

# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

## ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: April 2, 2014

### Minutes of Meeting

<b>Location:</b> Emerald Room, Causeway Bay, Sparwood	<b>Date:</b> January 29, 2014	<b>Time:</b> 8:00 am-12:30 pm
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**Purpose:** 2<sup>nd</sup> Biannual Group at Large Meeting 2013 (delayed to 2014)

**Attendees:** See attached

Meeting commenced at 8:00 am

#### Introductory Remarks

Committee Chair Simon Howse welcomed everyone to the meeting. He introduced the Advisory Initiatives Steering Committee members for 2013/2014 as well as the invited guest speakers, Don Sander, General Manager Greenhills Operations and Jane Boyd of 45 Conversations Media & Education.

#### Steering Committee Update

Chair Howse provided an overview of meetings and actions following the June 18, 2013 Group at Large meeting at which the Steering Committee was elected. Significant items included:

##### Sept 25, 2013 Steering Committee meeting

- election of executive Chair (Simon Howse) and Vice Chair (Anita Palmer)
- decision to develop strong action oriented goals including a means to communicate information back to various communities of interest represented
- directive to Chair and Secretary to draft a variation of the Mission Statement for the Terms of Reference to be more inclusive of communities of interests' input

##### Oct 2, 2013 meeting of Chair and Secretary

- redrafted Mission Statement for review by Steering Committee
- drafted action-oriented goals for perceived top five community issues

##### Nov 7, 2013 Steering Committee meeting

- presentation on Teck's Elk Valley Water Quality Plan and Phase I Public Consultation Period
- Teck Vancouver and Sparwood reps shared information on Teck's new Community Investment Strategy
- Presentation by Jane Boyd of 45 Conversations Media & Education regarding the use of social media to feed committee information back to the communities of interest they represent
- Jane also discussed some of the areas of concern in the area communities, including the shortage of qualified childcare spots

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### Safety Share

Sharon Strom took a moment to orient the attendees to the facilities and emergency exits before providing a safety share on potential dangers resulting from Daylight Savings Time. In summary, the days following the time change have been shown to have increases in serious heart attacks, suicides and accidents and a decrease in productivity. To mitigate such issues, it is suggested that people ease their body clocks into the change by adjusting their sleep/wake time in small increments leading up to the change.

Before moving on to the next topic, the attendees were advised there was an addition to the agenda that was previously sent to them (Elk River Alliance report) and were asked if there were other changes to be made. There were none.

### Teck Coal Year in Review

Don Sander, General Manager Greenhills Operations, presented a review of Teck's coal operations over the past year titled, *Growth, Productivity and Sustainability*. Points included:

- The continuous improvement in safety across the operations and some of the factors attributing to the improvement
- The increasing of coal production in a sustainable way
- The continuous improvement of efficiency including the Cost Reduction Program
- The responsible approach to sustainable mining
- The ongoing cooperative process to creating the Elk Valley Water Quality Plan

During and following the presentation, there were opportunities for question and comments. One attendee noted that there is a need for Teck to coordinate with community economic development and Chambers of Commerce to help improve recruitment for Teck. Kudos were offered to Teck for its sustainability and environmental stewardship efforts.

(See attached presentation)

### Biennial Review of Feedback Mechanism

Sharon Strom advised the group that: Teck's Environmental, Health, Safety and Community (EHSC) Management Standards require that every project or operation have a mechanism in place to respond to the interests of communities of interest (COIs) and to ensure that Teck respects human rights and that it fulfills the commitments it has made to the standards of organizations such as the International Council on Mining and Metals, the Mining Association of Canada and the United Nations.

The Feedback Mechanism Process, first reviewed with the Advisory Initiative group in March of 2012, is due for review and revisions (if necessary) by the group. Having managed the process since its inception, Sharon Strom provided input in areas where she felt change or explanation was needed. These were highlighted for a more efficient use of the group's time. Of note was that checking the feedback boxes once a week was not necessary due to the low frequency of use. It was an unnecessary burden on limited human resources. The toll-free line and the feedback-specific email and website addresses are becoming more commonly used. A Feedback Response Workflow has been created to

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ensure adequate responses are provided in a timely manner. Another suggestion given to the attendees was a change in the placement of some of the feedback boxes. In particular, the ones at the high schools are ineffective and should be removed. The one at the Elkford Aquatic Centre is also ineffective and has been subject to vandalism. The one at Chauncey Ridge Mall in Elkford needs to be moved to a more visible spot. The one at the Elkford Aquatic Centre will be moved to the Elkford Mall (of which the stores are soon to be accessed only from the exterior).

A recommendation was made by Lisa Lockhart that the feedback boxes be better labelled as 'Teck' boxes so that they can be recognized from a distance. She and others also suggested that more advertising of the feedback mechanism should be done.

It was noted by an audience member that the feedback form is difficult to find on the Corporate website. Sharon will pass this feedback along to appropriate Teck personnel.

#### **Elk River Alliance Report – Elk River Watershed Valley Bottom Assessment Report**

Lee-Anne Walker, Executive Director with the Elk River Alliance took the opportunity to report to the attendees on the Phase 1 of the Elk River Watershed Valley Bottom Assessment. She explained that the assessment is intended as a baseline study of current valley bottom land cover and available habitat is not meant as an evaluation against regulatory criteria or a critique of current land use practices. The key results were summarized and provided to the group.

The District of Sparwood Planner noted the importance of riparian areas and that there is a surprising lack of awareness surrounding that. He commended the Elk River Alliance for its efforts to improve that.

(See attached presentation)

#### **Action Items in Progress**

Jane Boyd of 45 Conversations Media and Education from Vancouver has been working on a number of projects with the Communities of Interest Advisory Initiative Steering Committee and presented on what she is doing and why. After sharing information about herself including, family, background, work history, experience with social media and more, she moved on to describe the two main action areas in which she is working with the Steering Committee.

The first action area involves developing a strategy for community building and engagement. Jane explained what it involves and what the current timeline looks like. The second action area concerns developing child care strategies for the Elk Valley and Crowsnest Pass (should it be deemed an issue in the CNP). She went on to explain and illustrate how various forms and uses of social media can assist to build engagement, support growth and development, create collaboration, raise awareness and level the field by sharing the many things that define social.

Before wrapping up, Jane did some crowdsourcing with the attendees to show them one means in which information can be shared. She asked each person to suggest and write down one way of engaging the communities in the Elk Valley and Crowsnest Pass and to provide one reason why Childcare Matters in the Elk Valley and Crowsnest Pass. She gathered the papers and later that day created two lists on Listly to which the links were provided to the attendees. She provided an opportunity for questions and answers throughout her presentation.

<http://list.ly/list/EBR-suggested-ways-of-engaging-the-community-in-number-elkvalley>  
<http://list.ly/list/E95-why-addressing-child-care-matters-in-number-elkvalley-number-bc>

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**Closing Remarks**

Due to lack of time, rather than having each attendee provide feedback on the spot, they were invited to provide their thoughts regarding the meeting to Sharon Strom via email or phone. Everyone was invited by the Chair to enjoy lunch and each other's company. He thanked all for their attendance and participation.

**Next Steering Committee Meeting:** April 8<sup>th</sup>, 8:30 am – noon, College of the Rockies Fernie Campus

# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING ATTENDANCE

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### Attendance

Name	Representing	Role	
Anonson, Terry	Metis Nation BC / Elkford		
Bauer, Kim	Social Services / Elkford		
Baytaluke, Harold	Municipal Gov't / Sparwood	Councilor	
Bellina, Bev	School District #5		
Fraser, Sharon	Municipal Gov't / Sparwood	Councilor	
Galloway, Gordon	Motorized Recreation/Elkford		
Giuliano, Mary	Municipal Gov't / Fernie	Mayor	
Halko, Lois	Municipal Gov't / Sparwood	Mayor	
Howse, Simon	Business & CHBA / Fernie		
Lockhart, Lisa	CNP Business		
MacFarlane, Joni	CNP Free Press		
McDougall, Norma	Business / Sparwood Chamber		
McKie, Margaret	Municipal Gov't / Sparwood	Councilor	
Melcer, Terry	Municipal Gov't / Sparwood	CAO	
Neville, Grant	Forestry / Canfor		
Oster, John	Teck / Elkview Operations		
Palmer, Anita	Education / RDEK A		
Pearse, Nicole	Youth / Boys and Girls Club CNP		
Poole, Sherry	Municipal Gov't / Crowsnest Pass	Economic Devel. Officer	
Sager, Patrick	Business (Econ Develop) / CNP		
Smith, Jude	Municipal Gov't / Sparwood	Business Devel. Liaison	
Strom, Sharon	Teck / Communities		
Talarico, Janice	Healthcare / Sparwood		
Tobin, Troy	Teck / Coal Mountain Operations		
Walker, Lee-Anne	Elk River Alliance / RDEK A		
Wedderburn, Shelley	Michel Crk Residents/Sparwood		
Wight, Nelson	Municipal Gov't / Sparwood	Manager of Planning	
Witbeck, Scott	Business / Nupqu Develop. Corp.		
<b>Guests:</b>			
Brennan, Casey	Teck / Communities		
Boyd, Jane	45 Conversations Media & Educ		
Sander, Don	Teck Greenhills Operations		

### Unable to attend:

Name	Representing	Role	
Baher, Daniel	Youth – CCHS /Crowsnest Pass		
Marthaller, Sharon	Seniors / Crowsnest Pass		
Sedrovic, Kim	Public Safety / Fernie		

# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

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Slides 1 & 2



**Teck**

Teck Coal Elk Valley Communities of Interest  
Initiative Advisory Panel Meeting  
January 29, 2014



**Agenda**  
8:00 am – 12:30 pm

8:00 Welcome, Introductions – Steering Committee/Guest Speakers  
Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda

8:30 Teck Year in Review – Don Sander, General Manager Greenhills Operation

9:30 Review of Teck Feedback Mechanism

10:00 Elk River Watershed Valley Bottom Assessment Report

10:15 **BREAK**

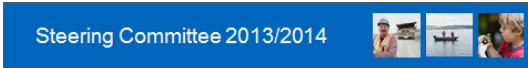
10:30 Steering Committee Update

11:00 Action Items in Progress

11:45 Lunch/roundtable/closing remarks

2 **Teck**

Slides 3 & 4




**Steering Committee 2013/2014**

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST INITIATIVE  
STEERING COMMITTEE 2013/2014

	Representative	Community	Executive Position
Local Government	Leif Vialto	Services	
NGOs	Lee-Anna Walker	Family	
Michael Owen/CH 90 Resident	Shelley Woodburn	Services	
Youth	Daniel Sahr	Coalminers' Prep	
Seniors	Sharon Matthews	Coalminers' Prep	
Business	Simon Howes	Family	Chair
Education	Andra Palmer	MSD/IC	Vice Chair
Health Care	Jenika Talarico	Services	
Social Services	Jim Bauer	Elford	
Community Safety	Jim Salskov Nathan	Family	
Recreation/Leisure	Gordon Galloway	Elford	
Aboriginal	Terry Anonson	Elford	
Teck	Sharon Strain	Services	Secretary

3 **Teck**



**Guest Speakers**

**Don Sander, General Manager Greenhills Operations**


- Former General Manager of Line Creek Operations
- Resident of Spanwood

**Jane Boyd, CAO 45 Conversations Media & Education**

- Experienced in childcare issues as well as the use of social media
- Resident of Vancouver with family in Fernie

4 **Teck**

Slides 5 & 6



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10:15 **BREAK**

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11:00 Action Items in Progress

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5 **Teck**



**Housekeeping and Safety Share**


Please note locations of exits in case of an emergency

**Safety Topic: Daylight Savings Time**  
Begins March 9, 2014/Ends November 2, 2014

- number of serious heart attacks jumps 6% to 10% on the first three workdays after the start of daylight saving time, according to a 2008 Swedish study published in the New England Journal of Medicine.
- men are more likely to commit suicide during the first few weeks of daylight saving time than they are during the rest of the year, according to a 2008 Australian study in the journal Sleep and Biological Rhythms
- There is a 40 per cent increase in the average number of crashes in the Lower Mainland during the late afternoon commute in the two weeks following the end of DST compared to the two weeks prior to the change," said Dr. John Vavrik, a psychologist with ICBC. "We see this crash rate increase slightly outside of the Lower Mainland, where road conditions can become more challenging earlier in the season."
- People are less productive once DST is implemented. Till Roenneberg, a Russian chronobiologist, reports that most people show "drastically decreased productivity," decreased quality of life, increased illness, and are "just plain tired."

6 **Teck**

Slides 7 & 8



**Agenda**  
8:00 am – 12:30 pm

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Review of Agenda

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10:15 **BREAK**

10:30 Steering Committee Update

11:00 Action Items in Progress

11:45 Lunch/roundtable/closing remarks

7 **Teck**



**Review of Agenda  
More Detail**

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST INITIATIVE  
ADVISORY GROUP MEETING  
January 29, 2014  
10:00 AM - 12:30 PM  
100 West Valley Drive, Fernie BC

Agenda

8:00 Welcome, Introductions – Steering Committee/Guest Speakers  
Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda

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11:00 Action Items in Progress

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8 **Teck**

# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

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Slides 9 & 10

### Agenda

8:00 am – 12:30 pm

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Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda
- 8:30 Teck Year in Review – Don Sander, General Manager Greenhills Operation
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- 10:15 BREAK
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### Don Sander, General Manager Greenhills Operations

## Teck Coal Business Unit Year in Review



Slides 11 & 12

## Teck



### Teck Coal – Growth, Productivity and Sustainability

Don Sander, General Manager  
Greenhills Operations  
January 29, 2014


### Forward Looking Information

Both these slides and the accompanying oral presentation contain certain forward-looking statements within the meaning of the United States Private Securities Litigation Reform Act of 2002 and forward-looking information within the meaning of the Securities Act (2002-Act). Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Teck to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. These forward-looking statements include statements relating to management's expectations with respect to global market demand and production trends, our future production and expansion targets for our coal unit, including the timing of achieving those targets, cost and production projections regarding the Elk Valley coal mine.

These forward-looking statements involve numerous assumptions, risks and uncertainties and actual results may vary materially. These statements are based on a number of assumptions, including, but not limited to, assumptions regarding general business and economic conditions, interest rates, the supply and demand for, investment of and the cost and volatility of prices of coal, the timing of receipt of regulatory and governmental approvals for Teck's operations, Teck's costs of production and production and productivity levels, as well as those of its competitors, market competition, the accuracy of Teck's reserves and reserves estimates and its geological, operational and process assumptions which these are based on, the resolution of environmental and other proceedings, our ongoing relations with our employees and partners and joint ventures, performance by customers and counterparties of their contractual obligations and the future operational and financial performance of the company generally.

Events or circumstances could cause actual results to differ materially from those stated in the forward-looking statements. These events and circumstances could include, but are not limited to, unanticipated developments in business and economic conditions in the principal markets for Teck's products or in the supply, demand, and prices for metals and other commodities, changes in interest or currency exchange rates, material regulatory assumptions (including with respect to the tax, legal and responsibility of reserves and materials) legal disputes or uncertainties, increases of legal proceedings, unanticipated operational difficulties (including failure of plant, equipment or process) to operate in accordance with specifications or capabilities, asset location, unavailability of materials and equipment, government action or delays in the receipt of permits or governmental approvals, unstable stockholders or other coal activity, and unanticipated events related to health, safety and environmental matters, disasters made by our partners or counterparties, social unrest, failure of facilities to meet their contractual obligations and changes in general economic conditions or conditions in the financial markets.

Certain of these risks are described in more detail in Teck's annual information form available at [www.teck.com](http://www.teck.com) and in public filings with the SEC. Teck does not assume the obligation to revise or update these forward-looking statements after the date of this document or to revise them to reflect the occurrence of future unanticipated events, except as may be required under applicable securities laws.



Slides 13 & 14

### Teck Coal – a leader in Sustainable Mining

- Growth – growing to maximize the value of our resources
- Productivity – continuously improving our efficiency
- Sustainability – responsibly mining for the long term



### Teck Coal Is A Leading Global, High Quality Steelmaking Coal Producer

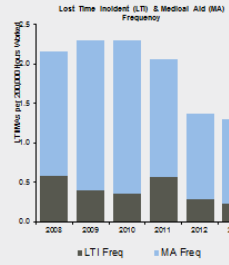
- # 1 Producer of steelmaking coal in N. America
- # 2 Exporter of steelmaking coal in world
- 80% of Canadian steelmaking coal production
- Over 4,400 employees across six operations



Slides 15 & 16


### We are achieving continuous improvement in safety

- Achieving continuous reduction in Lost Time Incident and Total Recordable Injury Frequency
- Increased focus on High Potential Incidents, whether or not injury results, to reduce our risk by continuously improving our systems and culture
- Courageous Safety Leadership is a key philosophy – we are all leaders in safety
- Using technology to assist in safety improvement - eg: monitoring eye movement for fatigue management



Lost Time Incident (LTI) & Medical Aid (MA) Frequency

Year	LTI Freq	MA Freq
2008	~1.2	~0.8
2009	~1.1	~0.7
2010	~1.0	~0.6
2011	~0.9	~0.5
2012	~0.8	~0.4
2013	~0.7	~0.3



### Teck Coal – a leader in Sustainable Mining

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# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

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Slides 17 & 18

### Increasing coal production in a sustainable way

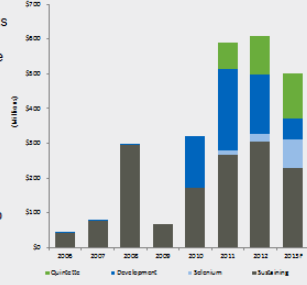
- Growth of current operations to 28 Mtpa almost complete**
  - Improved mining fleets
    - Increases at Fording River, Greenhills, Elkview, Line Creek
    - Modernization at Cardinal River, Coal Mountain
  - Processing plant upgrades
    - Greenhills, Elkview (*major*)
    - Fording River, Line Creek (*minor*)
- Quintette restart**
  - Permitting progressing; MAPA granted, IBAs agreed
  - Decision to delay restart pending market improvement



17 Teck

### Investing to maintain and grow our business

- Brownfield expansion costs have been approximately \$100-120 per annual tonne of installed capacity
- Rejuvenation of mining fleets and site infrastructure requires around \$9-13 per tonne annually
- We have spent ~\$100m so far to reduce selenium in the waters near our operations



18 Capital numbers do not include capitalized mining Teck

Slides 19 & 20

### Commercial Rail Arrangements Facilitating increased production



**CP Rail**

- Confidential 10-year agreement effective April 1, 2011, is operating very well
  - Improved cycle times
  - Enhanced forecasting and real time management of supply chain
  - Joint scorecard and joint view of the supply chain
- Confidential three-year agreement for eastbound traffic reached in 2010

**CN Rail**

- Confidential 5-year agreement reached on January 2011
- Key carrier into Neptune
- Includes future Quintette traffic

19 Teck

### CP Infrastructure Improved Investments for Capacity

- An additional siding has been installed near Fording River Mine to allow staging of trains for quicker loading
- Siding extensions along the coal route have been installed to accommodate longer trains and facilitate passing of trains
- Mine rail loops have been enlarged to allow for loading of 152 cars trains versus the historic 126 car train length
- All trains now running at 152 cars giving an increase of 20% capacity per train
- Train loading now by Teck personnel at Fording River, planned for other mines



20 Teck

Slides 21 & 22

### Port Capacity is increasing to meet growing demand

**Neptune Bulk Terminals**

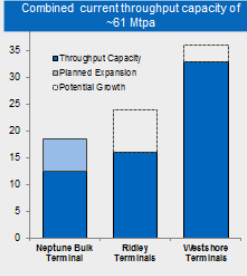
- 100% Teck coal
- Has expanded from 7 to 12.5 Mtpa
- Expansion potential to 18.5 Mtpa

**Westshore Terminals**

- Current capacity of 33 Mtpa
- Plans to increase to 36 Mtpa
- Teck is the largest single user

**Ridley Terminals**

- Growth for NEBC and Alberta
- 24Mt planned



21 Teck

### Neptune Terminals Expansion ongoing

**Indexer (Train Positioner)**

- Completed 2012 – 7Mtpa to 9Mtpa
- Reduced train dump times by 10%
- Allowed unloading of next generation of train lengths; ~152 cars or ~8,500'

**Stacker/Reclaimer #2**

- Commissioned August 2013
- Increases terminal capacity from 9.0 Mtpa to 12.5 Mtpa
- Two-line system reduces dumping/loading conflicts

**Second Dumper, Upgrade of Shiploader**

- Potential for 18.5Mtpa
- Port Metro Vancouver Permit approved



22 Teck

Slides 23 & 24

### Driving our Growth Key Success Factors

- To achieve our growth plans, several areas have been particularly important
  - Mining equipment delivery schedule:* as planned, almost complete
  - Processing capacity increases:* as planned, almost complete
  - Expanded rail and port capacity:* essentially complete
  - Recruitment:* has been well managed
  - Permitting:* still a key challenge
  - Environmental management:* all sites focused
  - Community engagement:* very strong



23 Teck

### Teck Coal – a leader in Sustainable Mining

- Growth – growing to maximize the value of our resources
- Productivity – continuously improving our efficiency
- Sustainability – responsibly mining for the long term



24 Teck



# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

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Slides 25 & 26

### Improving our Relative Cost Position

- Overriding imperative to maintain and improve our position on the cost curve
- Through optimized mine planning, increased efficiency, increased productivity and optimization of inputs
  - Newer, larger truck and shovel fleets
  - Improved proactive maintenance
  - Cost Reduction Program
  - Maximization of synergies between mines
  - Plant modernization: improved yield and efficiency

Source: Wood Mackenzie Coal Supply Service, Feb 2013, AIME & Teck Resources

### Cost Reduction Program (CRP) Showing Results

Over 100 initiatives are currently being executed

- ~\$109m realized year to date
- Focus on sustainable reduction in input costs and increases in productivity
- Significant savings areas include:
  - Haul truck productivity gains
  - Maintenance contractor reductions
  - Yield improvements
  - Optimized overtime management
  - Consumable unit cost and usage reduction

Source: Teck Resources

Slides 27 & 28

### Teck Coal – a leader in Sustainable Mining

- Growth – growing to maximize the value of our resources
- Productivity – continuously improving our efficiency
- Sustainability – responsibly mining for the long term

### Sustainability Strategy - Milestones

- Most sustainable mining company in the world & one of Canada's most sustainable mining companies (Global 100)
- Ranked in top 2% of mining industry worldwide on Dow Jones Sustainability World Index
- Elkview Operations received Towards Sustainable Mining Leadership Award from Mining Association of Canada.
- Coal Mountain Operations won Mine Rescue competition in Surface Mine Rescue category

Slides 29 & 30

### Sustainability Strategy – Progress

- Our People**
  - Record safety performance achieved
- Biodiversity**
  - Establishing biodiversity plans for all sites
- Community**
  - Launched new community investment framework
- Energy**
  - Reduced energy use by over 200 terajoules
- Water**
  - Establishing water quality and intensity baselines at all operations this year
- Materials Stewardship**
  - Assessing product lifecycles

### Regulatory Context for the EVWQP: An Area-Based Approach

The B.C. Government used section 89 of *Environmental Management Act* to make Teck responsible for creation of an area-based plan, called the Elk Valley Water Quality Plan, that allows for:

- Environmental management at a broader scale
- Consideration of economic and social costs and benefits
- A regulatory framework for continued permitting

Slides 31 & 32

### Cooperative process to create the EVWQP

Creation of the Elk Valley Water Quality Plan will include:

- Input from Canadian and U.S. governments, First Nations and public
- Public consultation
- Guidance from a multi-party technical advisory committee
- First of three phases of consultation as part of the development of the Elk Valley Water Quality Plan:
  - Phase 1: October 28-November 29, 2013 [COMPLETE]**
  - Phase 2: TBD Spring 2014
  - Phase 3: TBD late Spring 2014

Throughout: Implement solutions to protect water quality

### Our end product: Steel for a Sustainable Society

Amount of steelmaking coal required for the steel in the Canada Line... **30,000 tonnes**

...coal necessary for the steel in an average wind turbine **100 tonnes**

Source: MABC, Teck


# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

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Slide 33 & 34

Thank You 

Questions?

**Teck**

Agenda   
8:00 am – 12:30 pm

8:00 Welcome, Introductions – Steering Committee/Guest Speakers  
Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda

8:30 Teck Year in Review – Don Sander, General Manager Greenhills Operation

9:30 **Review of Teck Feedback Mechanism**

10:00 Elk River Watershed Valley Bottom Assessment Report

10:15 *BREAK*


10:30 Steering Committee Update

11:00 Action Items in Progress

11:45 Lunch/roundtable/closing remarks


**Teck**

Slides 35 & 36

TECK COAL ELK VALLEY  
COMMUNITIES OF INTEREST INITIATIVE  
Review of Feedback Mechanism 

- Teck's Environmental, Health, Safety and Community (EHSC) Management Standards require that every project or operation have a mechanism in place to respond to the interests of communities of interest (COIs) and to ensure that Teck respects human rights and that it fulfills the commitments it has made to the standards of organizations such as ICMM (the International Council on Mining and Metals), MAC (the Mining Association of Canada) and the United Nations.
- The procedure, first reviewed March 2012, will be reviewed and updated every two years. The updating process will include participative community consultation throughout the area of influence.

**Teck**

Agenda   
8:00 am – 12:30 pm

8:00 Welcome, Introductions – Steering Committee/Guest Speakers  
Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda

8:30 Teck Year in Review – Don Sander, General Manager Greenhills Operation

9:30 Review of Teck Feedback Mechanism

10:00 **Elk River Watershed Valley Bottom Assessment Report**

10:15 *BREAK*

10:30 Steering Committee Update

11:00 Action Items in Progress

11:45 Lunch/roundtable/closing remarks

**Teck**


Slides 37 & 38


Elk River Watershed Valley  
Bottom Assessment

Report to Residents on Elk River Health Phase 1 (R2R Phase 1)

Lee-Anne Walker, Executive Director, Elk River Alliance  
[www.elkriveralliance.ca](http://www.elkriveralliance.ca)

January 2014



Elk River Alliance (ERA) 

Who we are?

Formed in 2010 to connect people to the Elk River watershed ensuring water remains drinkable, fishable and swimmable for future generations.

What we do?

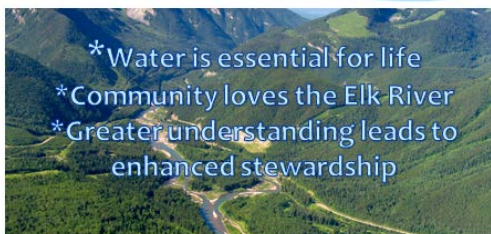
- Coordinate river and shoreline clean ups
- Community based water monitoring on Lizard and Alexander Creeks
- Furthering an Elk River watershed plan
- Water education programs for youth
- Host celebration and dialogue events
- Contribute to gaps in science
- Represent community water perspectives on CEMF and Teck Community of Interest

ERA Mandate:

- 1) Increase our water literacy
- 2) Encourage community dialogue to better inform water decision making
- 3) Contribute to increased knowledge via monitoring, restoration, and enhancement activities

Slides 39 & 40

Why report to residents on Elk River health?



- \* Water is essential for life
- \* Community loves the Elk River
- \* Greater understanding leads to enhanced stewardship

Valley bottom assessment is a first step ...



# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

Version: Final

Issue Date: April 2, 2014

Slides 41 & 42

### We listened ...

Compliment NOT overlap with:

- \* Elk River Water Quality Plan – Teck
- \* Cumulative Effects Management Framework (CEMF) – Ktunaxa, Teck, Province, Local Government, ERA
- \* Kootenay-Koocanusa Water Action Plan
- \* OCP updates in Fernie, Sparwood and development in RDEK

### Community input inspired R2R



Slides 43 & 44

### What R2R Phase 1 is and isn't?



- IS:
- A baseline study
  - An assessment of current valley bottom land cover and available habitat
  - A digital mapping tool for decision makers
  - A complement to other land use designation tools e.g. OCP, bylaws, zoning
  - A conversation starter
- ISN'T:
- An evaluation against regulatory criteria
  - A critique of current land use practices

### Research Method



108 km, 8371 ha was the study area between Elkford and Elko  
Video of the GIS product is located at <http://www.youtube.com/watch?v=3D24tY8hCU>

Slides 45 & 46

### What was assessed? Natural

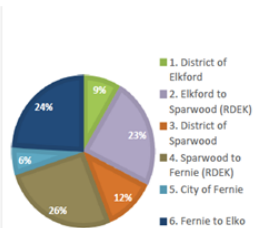


### Developed



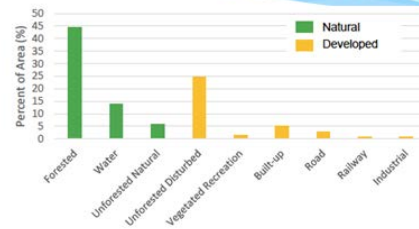
Slides 47 & 48

### Results of the Assessment



- 27% of the valley bottom assessed is within District of Elkford, Sparwood and City of Fernie municipal boundaries

### Total Land Cover



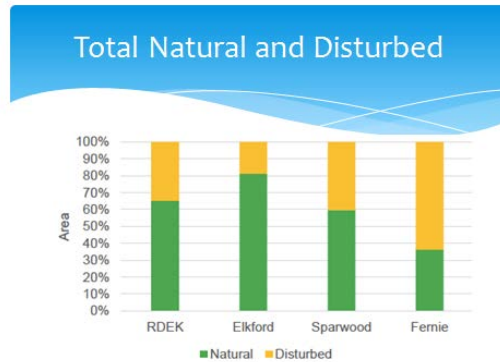
# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

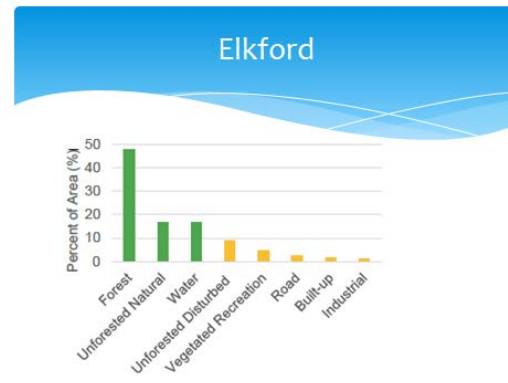
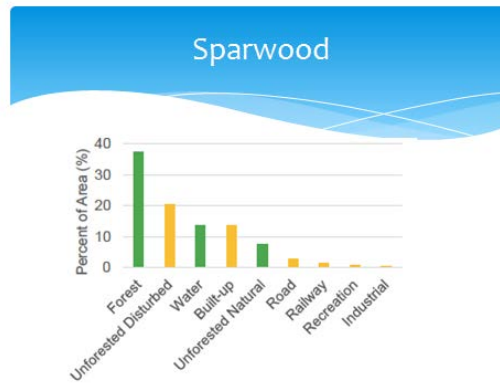
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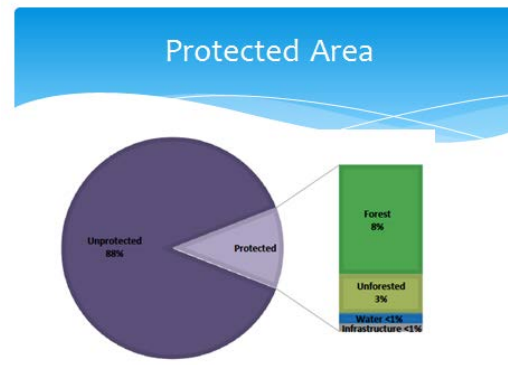
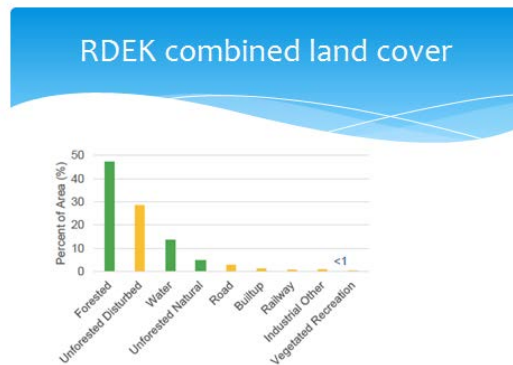
Slides 49 & 50



Slides 51 & 52



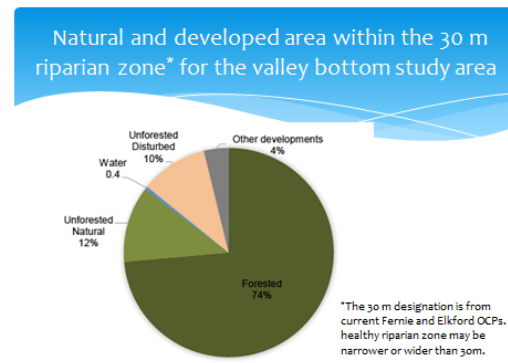
Slides 53 & 54



Slides 55 & 56

### What is a riparian area?

- \*Transition area between water and upland
- \*Vegetation and soils are strongly influenced by water
- \*The most productive and valuable of all landscape types
- \*AKA floodplain, shoreline, green zones



# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

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Slides 57 & 58

### Benefits of healthy riparian area

- ✓ Bank stabilization;
- ✓ Provide organic matter and food to the aquatic environment;
- ✓ Produce shade which helps moderate stream temperature;
- ✓ Provide habitat for terrestrial species;
- ✓ Add structure for aquatic species via woody debris;
- ✓ Filter contaminants via chemical and biological processes in riparian soils; and,
- ✓ Retain storm water runoff by providing area for absorption of water during high flow periods.

### R2R Report Card

	Overall	RDEK	Elkford	Sparwood	Fernie
<b>Total Disturbance</b>	Good (<50%)	Good	Good	Good	Fair (50-90%)
<b>Vegetated Cover</b>	Good (>50%)	Good	Good	Good	Fair (25-50%)
<b>Forest Cover</b>	Good (>25%)	Good	Good	Good	Fair (15-25%)
<b>Forested Riparian</b>	Good (>50%)	Good	Good	Good	Good

Slides 59 & 60

### Key results summarized:

- > 17 sensitive ecological communities
- > 66 red-listed and 108 blue listed plant and animal species
- > 64% of the area was undeveloped – 45% forested, 14% water, 6% vegetated cover
- > Of the developed areas – 25% were once forested and now have other vegetation, 10% are roads, railway and industrial
- > Elkford has the highest natural habitat (81%), followed by RDEK (65%), Sparwood (59%) and Fernie (36%).
- > Overall the Elk River valley bottom coverage is rated Good
- > Fernie rated Fair for 'total disturbance', 'vegetated cover' and 'forest cover'

### Recommendations:

- \*Your impressions?
- \*What could ERA do to help support decisions that ensure watershed health?
- \* How can a community-based water group like ERA collaborate better to achieve Elk River watershed health?

Slides 61 & 62

### Thank you to our funders



### Agenda

8:00 am – 12:30 pm



- 8:00 Welcome, Introductions – Steering Committee/Guest Speakers  
Attendee Self-Introductions  
Housekeeping, Safety Share  
Review of Agenda
- 8:30 Teck Year in Review – Don Sander, General Manager Greenhills Operation
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Slides 63 & 64

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### TECK COAL ELK VALLEY Steering Committee Update



#### June 18, 2013

- Biannual meeting of Teck Coal Elk Valley Communities of Interest Advisory Initiative Group at Large
- Election of Steering Committee for 2013/2014

#### September 25, 2013

- Steering Committee meeting
- Election of Executive
- Directive to Chair and Secretary to meet to determine action-oriented goals and possible rewording of Mission Statement for Terms of Reference

#### October 2, 2013

- Meeting of Chair and Secretary per September 25<sup>th</sup> directive
- Drafted action-oriented goals for perceived top five community issues
- Redrafted Mission Statement for review by Steering Committee

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# TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY INITIATIVE

## GROUP AT LARGE MEETING

Version: Final

Issue Date: April 2, 2014

Slides 65 & 66

TECK COAL ELK VALLEY  
Steering Committee Update



### November 7, 2013

- Steering Committee meeting
- Representative from Teck's Elk Valley Water Quality Plan presented information regarding the Phase 1 Public Consultation Period
- Representatives from Teck, Vancouver and Sparwood, shared information on Teck's new Community Investment Strategy
- Jane Boyd, from 45 Conversations Media & Education, addressed the group about childcare and other community issues. She also discussed different forms of social media that can be utilized to feed committee information back to the communities of interest which they represent

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Slides 67 & 68

Jane Boyd  
45 Conversations Media & Education



Jane's presentation here

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Slides 69 & 70

Wrap Up



Feedback?

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