

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: January 19, 2015

Minutes of Meeting

Location: Sparwood Senior Citizens Drop-in Centre	Date: December 10, 2014	Time: 12:30–4 pm
--	--------------------------------	-------------------------

Purpose: Second 2014 Biannual Meeting

Attendees: See attached

Meeting commenced at 12:35 pm

Introductory Remarks

The chair, Simon Howse, welcomed the Advisory Partners and guest speakers to the meeting. After briefly introducing the Steering Committee (SC) members, Simon asked Sharon Strom to provide a safety share. Sharon noted that the share she was going to provide originally came from Rebecca Edwards, who was present, so she asked her to communicate it. Rebecca, a mother of a toddler, reminded people with young children, or those who have children visit, to get down to their level to determine potential risks. In other words, perform a field level risk assessment so that risks can be mitigated. This was a timely message with many people having decorated their Christmas trees by now. Sharon added that such a risk assessment should also be done for pets.

Simon invited everyone to grab some lunch and chat with their neighbours at the table.

Steering Committee Update

Following lunch, an update regarding activities of the Steering Committee was provided. First, Sharon introduced the guest speakers, Scott Cope from Westslope Fisheries Ltd and Karen Halwas from Teck. Karla Mills from Teck was unable to make it. Simon had everyone present introduce themselves and who or what they represent. The roles of the Steering Committee members on the Executive were highlighted. They stayed the same as last year with Simon Howse being Chair, Anita Palmer being Vice Chair and Sharon Strom being Secretary. Sharon noted that there still wasn't a Community Safety Rep on the Committee but she had some leads from the Crowsnest Pass.

Recent Steering Committee key accomplishments were presented to the attendees. Simon first pointed out that the Strategic Direction in the Terms of Reference for the 2014/2015 year had been updated.

Sharon advised everyone that the COI Advisory Initiative website, which was launched in July, has been populated with some information. The Steering Committee members were updated to include photos and bios for Joanne Drain and Liam Arbuckle. A blog was written. CP Rail safety information was uploaded and all previous agendas and meeting minutes were available. Sharon noted that an advertising plan for the site needed to be created and launched to make the site useful. That was a goal for the first quarter of 2015.

Anita Palmer, Kim Bauer and Sharon Strom provided an update on activities of the Elk Valley Child Care Advisory Committee (under the umbrella of the Teck Coal EV COI Advisory Initiative).

- Committee reviewed and revised 2008 Ipsos Reid Kids Care survey for potential use – not an assessment to see if there is a child care need or issue – it is known there is a concern – but

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: January 19, 2015

rather an assessment of what the specific needs are for each community, general public and Teck employees (barriers to employment?)

- Permission was given by Teck HR to distribute one-page (2-sided if necessary) insert with future pay statement describing Initiative and how to access the web-based survey. The insert must make it clear that it is not a Teck survey but rather a COI Advisory Initiative driven survey.
- Anita and Sharon had a phone meeting with Liz Gillis, Acting Manager Social Initiatives with CBT. This led to the submission of an application for a social grant (under the umbrella of Elkford Women's Task Force Society) to contract the survey out to a professional to ensure the right questions are asked and the data analysis is done accurately. They had only a few days before the deadline to draft the application and with an incredible amount of support from a colleague in the Teck Vancouver office, the Committee was able to submit the application with less than half an hour to spare! They are now awaiting results. Consequent meeting with Liz at CBT workshop in Sparwood left Anita and Sharon feeling very positive that even if the EVCCAI doesn't make the cut for the grant, there will be CBT support. **(Special note: the grant application to CBT was accepted and work is being done to get the project rolling)**
- Sharon has been connected to Sharon Gregson with Coalition of Child Care Advocates of BC (\$10 a day campaign). Ms. Gregson will be happy to come down to the EV in the New Year to meet with Committee at her organization's expense.
- Sharon was also connected to Shannon Newman-Bennett, Director Family Services with YWCA Metro Vancouver regarding their child care services.
- All child care meeting agendas, minutes, and supporting documents have recently been circulated to the group at large.
- Task forces were created from within Steering Committee to research and focus on specific areas of child care needs in the Elk Valley and the small groups will begin meeting soon.
- Anita was pleased to share that the ECED course for which she was able to get approval had an enrollment of ten. All students will be taking their final exam tomorrow, December 11. Successful completion of this course will allow for the registrants to operate License-not-required family day homes.

Simon wrapped up the Steering Committee Update by telling the attendees of the decision made at the September SC meeting to focus on another issue of concern/interest: Sustainability Post Teck. Simon has been involved in meetings that were held with the area MLA, MP and the Registrar for the College of the Rockies to discuss options for the Fernie Campus. The Fernie Campus cannot function as is for much longer without significant changes which, at the very least, would be expensive renovations. There is support for a new COTR building and campus in the Elk Valley. The Advisory Initiative SC feels that this may be a sound legacy project for post-Teck that can be a benefit to employees before the mines cease operating in the area. As it has been noted that there is a shortage of child care spaces and child care training opportunities in the area, building a new campus that incorporates a wing for child care and training may be a very efficient option to help offset child care needs. Nic Milligan pointed out that all Elk Valley coal sites are in the process of drafting closure plans and this might be a social consideration. He noted that the Crowsnest Pass is considered in such things as closure plans because they are in the area of influence of the mines.

Upper Fording River Westslope Cutthroat Trout Population Study

Scott Cope and Karen Halwas were asked to provide a bit of background on themselves, after which they proceeded to present on the Westslope Cutthroat Trout Population Study Interim Report 2 (see attached presentation). Questions were welcomed throughout the presentation:

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: January 19, 2015

Q. Ayla – There is true value in long-term data collection. Do you feel at the end of four years, if it is determined that juvenile fish are affected by Selenium, that there will be consideration to do the study again in the future?

A. Scott – It is unknown at this time but it may be part of the recommendations to do long-term monitoring for trends. We would be looking at alternatives to tagging. Maybe we'd do something every three or four years. If numbers are the same then we can be confident everything is good. If there are no tagged fish, then it is a red flag.

Q. Terry A. – What killed the fish at Line Creek? Will this affect the study because the same plant is going up at Fording River? Is Teck looking at alternatives to the current plant?

A. Nic – We are not considering alternatives. We have every confidence that the current plant is the right process to use. The fish kill appears to be related to start up but the investigation is still ongoing. Early in the new year, there is expected to be some understanding of what happened. The Line Creek water treatment plant is scheduled to be recommissioned in April 2015. If the kill was caused by the plant, we will determine why it happened and work on how to prevent it from happening again. The first reactor was performing well then something happened.

Q. Terry A. – Is species differentiation part of the problem?

A. Nic – That will be considered but we still remain confident that we are using the right process. We expect there to be a series of recommendations.

Q. Ayla – Not knowing what happened makes it difficult to maintain a strong faith in the facility. If the fish kill is related to the plant, will Teck make changes to the Elk Valley Water Quality Plan?

A. Nic – Currently the active water treatment technology appears to be the best but we will continue to look at alternatives.

Q. Sharon – You have used the word 'recruitment' in your presentation. Can you explain what that means in relation to fish?

A. Scott - Recruitment means juvenile fish have reached a certain size or reproductive stage to be considered as part of the fish population.

C. Wes – It would be interesting to see the same study in other watersheds.

C. Terry A. – You should have these guys (trout study team) by the Line Creek plant when it starts up.

Q. Nic – What is the lifespan of the transmitters? I imagine you lose some to osprey and such.

A. Scott – Transmitter life is about 14 months.

Q. Nic – What is the lifespan of cutthroat trout?

A. Scott – Scale aging that was widely used back in the day, where the number of rings on a scale were counted, is not considered to be a reliable method to determine age. Looking at the ear bones is better but to get the true age of a fish you have to kill it. Cutthroat generally live 10 to 20 years.

Q. Rebecca – When the batteries run out, is there a way to locate the fish? Are they visually tagged?

A. Scott – Yes, we can see the transmitter. We recatch the trout and cut the transmitter off.

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: January 19, 2015

Q. Nelson – There was an Elk River Study done a number of years ago. Do you know where and when it took place?

A. Scott – The study took place in the Elk River from 2000-2002 and was funded by the Columbia-Kootenay Fisheries Renewal Partnership which no longer exists. The funding was approximately 10% of the current study so there is not the detail and sample size of the current Fording work. It is considered good preliminary work.

Elk Valley Water Quality Plan Update

Nic spoke briefly to the Elk Valley Water Quality Plan noting that it was approved by the British Columbia Ministry of Environment on November 17th. Sharon handed out a copy of the Plan Executive Summary to all attendees and pointed out there were a few copies of the full plan available. Nic reminded everyone that these documents can be found at www.teck.com/elkvalley. Nic confirmed that the Plan includes a water treatment facility at Line Creek, Fording River and Elkview Operations at this time.

Councillor Halko asked about the investigation of the Elk River as ordered by Environment Canada that was mentioned in Mark Hume's article in the Globe and Mail (October 19, 2014). Nic responded that the reports provided to Teck from the active investigation have been interim reports. Dr. Lemly, who wrote the report, is drawing parallels between effects in the Elk River to a situation in Idaho. If charges are laid by the Federal Government against Teck, Teck is prepared to respond. Because the investigation is ongoing, Nic noted he is limited to what he can say.

Ayla Bennett pointed out that the huge number of fish deaths (180,749) reported in the Globe and Mail assume that all fish hatched will become adults if not affected by selenium which is not true. His study was done in a lab. Ayla added that she would be interested in finding out more about in stream effects.

In reference to the Globe and Mail article, Nic said it was unfair for Mr. Hume to suggest nothing is being done about the selenium in the water. The presence of the current attendees and previous communities of interest participation during consultation phases of the Elk Valley Water Quality Plan are proof that the statement is untrue. Councillor Halko said there was no doubt that much is being done. The study of the westslope cutthroat trout in the Upper Fording River is extremely comprehensive.

Karen Halwas noted that Chapter 6 of the Elk Valley Water Quality Plan contains some reading on research and development into future options to reduce selenium and other constituents from mining going into the watershed.

Closing Remarks

Simon asked everyone, as is tradition at these meetings, to share a comment regarding the meeting and its presentations:

- Kim said the fish study was amazing. The biology involved is very interesting.
- Simon S. had no comment.
- Gordon thanked the Teck reps for lunch and said It was nice to see folks out to the meeting. He found Scott's presentation to be very interesting.
- Terry M. enjoyed the fish study and liked that it was very in depth.

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING

Version: Final

Issue Date: January 19, 2015

- Scott thanked the Committee for having him.
- Karen said it was good to be present at this and advised attendees to forward questions to Nic if they had any afterwards.
- Terry A. found the presentation and question and answer session to be very interesting. He will look to see what happens in the future. He suggested that if we don't get a handle on the future of mining, our kids and grandkids will suffer. We need to solve the issues together.
- Margaret didn't realize so much went into this study of fish.
- Lois found the afternoon to be extremely enjoyable. The approval of the Elk Valley Water Quality Plan is a testament to what can be done with communities of interest forums.
- Don noted this was his first meeting and he found it to be very informative.
- Wes said that he was the same. It was his first meeting and he found it to be very informative and interesting.
- Joe found it all to be very informative noting the Fording River study and child care concerns covered a broad area. He is glad to see something is being done.
- Norma thanked the Committee for inviting the Chamber. She thanked those who are working on the child care issue and she said she enjoyed Scott's presentation and his passion for what he is doing.
- Blair appreciated the invitation and being included and that the Crowsnest Pass is represented. The discussion around the child care situation was very informative. Working together to solve this will be good.
- Ayla thanked Nic and others for providing answers. She said Scott really highlighted the Upper Fording River Study. She is keen to see what happens with the great work that is being done.
- Rebecca thought the child care update was interesting. She noted appreciation for the communities of interest representatives who came out as she is aware their time is very valuable.
- Jenna gave a big thank you to those who hosted the meeting. Scott's passion for his work really came through. She was fascinated with the fish side of the presentation and the child care discussion. As a member of council, she appreciated the opportunity to attend.
- Nelson noted that this Advisory Initiative and its meetings are very high functioning and he senses camaraderie and respect among the members. Many people are still ignorant about what is going on in their communities. We have to get the word out.
- Anita thanked everyone for all of the information provided. Scott's passion made the presentation very interesting. She said when she first started with the Advisory Initiative Steering Committee, she made it clear she didn't want to spend time with it if they were just going to spin their wheels. She is pleased that the Committee has accomplished a lot.
- Liam noted that this was his first Partners Meeting and there is a lot to take in with such a broad spectrum of topics from child care to fish. He said the passion around the presentation was great.

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST	
ADVISORY INITIATIVE PARTNERS MEETING	
Version: Final	Issue Date: January 19, 2015

- Nic echoed what others said about the material and the study presentation and Scott's passion for his work. He thanked everyone for coming out realizing people have many other commitments. He stated that he appreciates that these meetings tax people's time and he, not just as a Teck employee but also as a member of the community, appreciates that they keep coming back.
- Sharon also thanked those who took time out of their busy lives to attend the meeting. She appreciated Scott's sense of humor as well as his passion when presenting on the study. She noted that she, too, was pleased with the amount of progress the Steering Committee has made in the past two years.
- Simon H. thanked everyone for coming out and ended the meeting, noting it was right on time.

Meeting ended at 3:50 pm

Next Meeting of the Partners will be late June 2015

Next Steering Committee meeting will be late February 2015

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST ADVISORY PANEL

DECEMBER 10, 2014 ATTENDANCE

Name	Representing	Email
Anonson, Terry	Metis/First Nations	terryanonson@elkvalley.net
Arbuckle, Liam	Youth/CCHS	liamarbuckle@telus.net
Bauer, Kim	Social Programs/EWTFS	ewtf@telus.net
Bennett, Ayla	ENGO/Elk River Alliance	ayla@elkriveralliance.ca
Chatterson, Wes	Self	jcwc@telus.net
Cope, Scott	Westlope Fisheries Limited	westlope@telus.net
Edwards, Rebecca	Teck	rebecca.edwards@teck.com
Galloway, Gordon	Motorized Recreation	gmoose@telus.net
Halko, Lois	District of Sparwood	lhalko@sparwood.ca
Halwas, Karen	Teck	karen.halwas@teck.com
Howse, Simon	Business/Housing	showse@parastone.ca
Jarina, Joe	District of Sparwood	jjarina@sparwood.ca
Jensen, Jenna	District of Sparwood	jjensen@sparwood.ca
McDougall, Norma	Sparwood Chamber	norma@sparwoodchamber.bc.ca
McKie, Margaret	District of Sparwood	mmckie@sparwood.ca
Melcer, Terry	District of Sparwood	tmelcer@sparwood.ca
Milligan, Nic	Teck Community Affairs	nic.milligan@teck.com
Painter, Blair	Municipality of Crowsnest	blair.painter@crowsnestpass.com
Palmer, Anita	COTR Post-Secondary Ed	apalmer@cotr.bc.ca
Patterson, Don	ENGO/SFWA	dopat@telus.net
Senycz, Simon	Self	sy.60@outlook.com
Strom, Sharon	Teck Community Affairs	sharon.strom@teck.com
Wight, Nelson	District of Sparwood	nwight@sparwood.ca

Unable to attend:

Name	Representing	Email
Drain, Joanne	Seniors/CNP	jvdrain@shaw.ca
Talarico, Janice	Interior Health	janice.talarico@interiorhealth.ca
Walker, Lee-Anne	ENGO/Elk River Alliance	lee-anne@elkriveralliance.ca
Wedderburn, Shelley	Michel Creek Rd Residents	shelley1226001@msn.com

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION

Version: Final

Issue Date: January 19, 2015

Teck Presentation

Slides 1 & 2

Teck Upper Fording River Westslope Cutthroat Trout Population Study

November 2014 Progress Report
Karen Halwas, Project Lead, Teck & Scott Cope, Westslope Fisheries Ltd.

Presentation Outline



Presentation Outline

Background

Study Questions

Study Team, Area & Timelines

Progress to Date

Next Steps

2

Slides 3 & 4

Background



Presentation Outline

Background

Study Questions

Study Team, Area & Timelines

Progress to Date

Next Steps

3

Background



- Westslope Cutthroat Trout (WCT) is considered a species of 'Special Concern' both provincially (B.C.) and federally.
- 'Special Concern' means that WCT could become threatened or endangered because of a combination of biological characteristics and identified threats.
- Historical effects to WCT from introduced species, habitat loss and degradation, and exploitation have led to the 'Special Concern' designation.



Teck

4

Slides 5 & 6

Background



- The core WCT range in B.C. occurs in the Kootenay (including the Fording and Elk Rivers), Flathead and Pend d'Oreille systems.
- Josephine Falls in the Fording River is a natural barrier to fish migration.
- WCT in the Fording River upstream of Josephine Falls (UFR) are isolated from other fish populations. As such, the UFR WCT population is genetically pure.

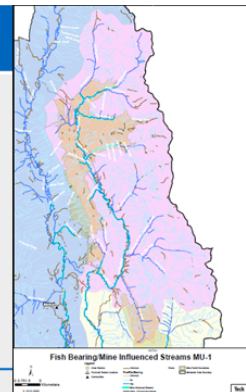


Teck

5

Background

- Active mines within the UFR watershed include Teck's Fording River and Greenhills Operations.
- WCT are potentially vulnerable to development activities in the UFR watershed. Current threats include:
 - Riparian clearing and alteration;
 - Water quality (selenium and calcite); and
 - Altered flow regimes.
- Teck and Communities of Interest want to better understand the status of WCT population in the UFR to help inform management planning and decisions within the watershed.



6

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION

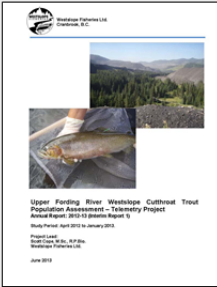
Version: Final

Issue Date: January 19, 2015

Slides 7 & 8

Background

- Data collection occurs over four years (2012 to 2015).
- Study was introduced in 2012;
 - Public presentation Sparwood, Nov 2012.
- Interim Report 1 (June 2013);
 - COI Advisory Initiative Partners, May 23, 2013.
 - <http://www.teck.com/elkvalley>
 - Public presentation Fernie, Oct 2013.
- Interim Report 2 (July 2014);
 - Public presentations Sparwood (Dec 2014)
 - Final report 2016.



7 **Teck**

Study Questions

Teck

- Presentation Outline
- Background
- Study Questions**
- Study Team, Area & Timelines
- Progress to Date
- Next Steps

8

Slides 9 & 10

Study Questions

1. What is a viable WCT population?
2. Is the WCT population sustainable?
3. Are the fish healthy?*
4. Is it one interconnected population or multiple populations?
5. What are the critical habitats in the study area?
6. What are the movement patterns and why?
7. What is the WCT distribution seasonally by life history stage and what are the upstream distribution limits?

*Note: In support of substantive, on-going work on aquatic ecosystem health (i.e., EVWQP and RAEMP)

9 **Teck**

Study Design & Team

Teck

- Presentation Outline
- Background
- Study Questions
- Study Team, Area & Timelines**
- Progress to Date
- Next Steps

10

Slides 11 & 12

Study Team

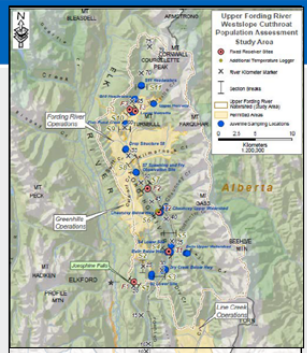
Study Team	
Scott Cope	Westslope Fisheries Ltd. In partnership with Canadian Columbia River Inter-Tribal Fisheries Commission (CCRIFC)
Steering Committee	
Herb Tepper	Ministry of Forests, Lands and Natural Resource Operations
Jon Bisset	CCRIFC
Carl Schwartz	Simon Fraser University
Greg Sword	Teck Resources Ltd., Fording River Operations
Lanny Amos	Teck Resources Ltd., Elkview Operations
Karen Halwas & Chris Stroich	Teck Resources Ltd., Calgary

Past Steering Committee Members: Brian Ferguson, DFO; Kevin Podrasky, Mark Digel and Glenda Fratton, Teck Resources Ltd.

11 **Teck**

Study Area

- The data collection framework involved the subdivision of 57.5km the UFR mainstem into 11 segments (S1 at Josephine Falls to S11 in the headwaters).
- Data collection also took place in tributaries, including Henretta, Fish Pond, Chauncey, Ewin and Dry Creeks.



12 **Teck**

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION

Version: Final


Issue Date: January 19, 2015

Slides 13 & 14

Study Design

Timeline

- Progress over the first two years of the study (2012 and 2013) are presented in the remainder of the presentation, based on Interim Report 2 (June 2014).
- Data collected in the third year of the study (2014) currently are being analysed.
- Final data collection season will occur in 2015 and a final report will be available in 2016.



13 Teck

Progress to Date

Teck

- Presentation Outline
- Background
- Study Questions
- Study Team, Area & Timelines
- Progress to Date**
- Next Steps


14

Slides 15 & 16

Progress to Date

What is a Viable WCT Population?

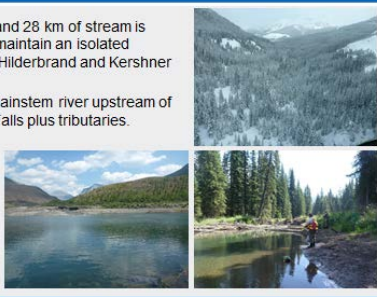
- Literature indicates that a viable population is between 470 and 4,600 mature fish (Cleator et al. 2009).
- Based on 2 years of population monitoring (sub-adults and adults), estimated 3000 fish.
- Estimate is within the range expected, compared to similar streams in the upper Kootenay.



15 Teck

Progress to Date

- Between 9 and 28 km of stream is required to maintain an isolated population (Hilderbrand and Kershner 2000).
- 57.5 km of mainstem river upstream of Josephine Falls plus tributaries.




16 Teck

Slides 17 & 18

Progress to Date

Are the Fish Healthy?

- Visual (external) exams of 487 mature and 140 fry and juvenile fish
- Internal exams of 121 mature fish
- Altogether, the results indicate that the fish appear healthy and comparable to similar streams in the upper Kootenay




17 Teck

Progress to Date

Is the population one interconnected or multiple?

- Previous studies identified the UFR WCT as genetically pure (Carscadden and Rogers 2011, Rubidge and Taylor 2005).
- Previous studies also detected no genetic differentiation in the UFR WCT population, indicating that it is one interconnected population (Carscadden and Rogers 2011).
- Fish movements up to 30km within the 57.5 km available in the UFR indicate that fish have the potential to interbreed.



18 Teck

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION





Version: Final

Issue Date: January 19, 2015

Slides 19 & 20

Progress to Date

- Early findings are presented in the following slides, though the remaining questions cannot be considered answered yet.
 - Question 2 - Is the WCT population sustainable?
 - Question 5 - What are the critical habitats in the study area?
 - Question 6 - What are the movement patterns and why?
 - Question 7 - What is the WCT distribution seasonally by life history stage and what are the upstream distribution limits?

29 Teck

Progress to Date

Population Sustainability

- Ongoing work on fry and juvenile recruitment, WCT life history, and juvenile growth rates







20 Teck

Slides 21 & 22

Progress to Date

Distribution

- Habitat use has been documented over 52.5 km of mainstem river and 12.5 km of tributary habitat.
- UFR WCT present from Josephine Falls to the headwaters plus Henretta, Fish Pond, Chauncey, Ewin, and Dry Creeks.

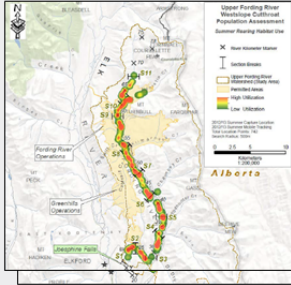


21 Teck

Progress to Date

Fish Movement

- Mean annual distance travelled 13.26 km
- Seasonal shifts in fish distribution
 - Fish are moving between spawning, summer rearing and over-wintering habitat
- Other factors influencing movement:
 - Groundwater,
 - Water depth,
 - Ice conditions, and
 - Channel dewatering






22 Teck

Slides 23 & 24

Progress to Date

Habitat

- Using 2012 air photos, 43 km of habitat in segments S1 through S9, primarily, were classified using a system designed to detect impairments.
- In conjunction with the movement data, habitat mapping and characterization are helping us identify important habitat.






23 Teck

Progress to Date

Habitat

- S2 and S6 segments;
 - High quality habitat
 - High WCT use



24 Teck

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST

ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION

Version: Final

Issue Date: January 19, 2015

Slides 25 & 26

Progress to Date

Habitat

- S7-S9 and lower tributaries are important juvenile habitat.
- Impairments (i.e., limited pool and off-channel habitat, limited large woody debris) were detected.
- Despite the impairments, fish are using the area, which suggests it may be important habitat.
- These results can inform potential fish habitat restoration projects.

Teck

Progress to Date

Habitat

- S10, S7 and S2 are important spawning and fry habitat.

Teck

Slides 27 & 28

Next Steps

Teck

- Presentation Outline
- Background
- Study Questions
- Study Team, Area & Timelines
- Progress to Date
- Next Steps

Teck

Next Steps

- Data collected in the third year of the study (2014) currently are being analysed.
- Final data collection season will occur in 2015
- Final report will be available in 2016. The final report will provide answers to the study questions.

Teck

Slides 29 & 30

Elk Valley Water Quality Plan Update

Teck

December 2015
Nio Milligan, Manager, Community and Aboriginal Affairs

Teck

Elk Valley Water Quality Plan update

- The Elk Valley Water Quality Plan was approved by the B.C. Minister of Environment on November 18
- The Plan was developed with extensive public consultation and guidance from a multi-party technical advisory committee
- Full Plan is available at: www.teck.com/elkvalley

Teck

TECK COAL ELK VALLEY COMMUNITIES OF INTEREST


ADVISORY INITIATIVE PARTNERS MEETING PRESENTATION

Version: Final


Issue Date: January 19 , 2015


Slides 31 & 32

What the Plan does



- 1. Targets:** Sets water quality targets for selenium, cadmium, nitrate, sulphate and calcite formation
- 2. Implementation:** Sets out an implementation plan to achieve water quality targets:
 - LCO, FRO, EVO water treatment facilities
- 3. Monitoring:** Defines a monitoring program for water quality and aquatic health
- 4. Adaptive Management:** Sets out a process for adapting implementation of the Plan based on new information (research, water quality testing, etc.)




31 

Next steps




- The approved Plan is a public policy document that guides future regulatory applications in the Elk Valley as they relate to water quality
- The Plan provides an essential framework for future permitting of our steelmaking coal operations in the Elk Valley
- Public updates and consultation will occur throughout implementation





Slide 33

Thank you and any questions?



Contact: **Nic Milligan**
Manager, Community and Aboriginal Affairs
250.425.3335
nic.milligan@teck.com

33 