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Technical Report Overview

Report: Regional Calcite Monitoring Program 2020 Annual Report

Overview: This report presents the 2020 results of the calcite monitoring program required under Permit 107517. This report summarizes the degree and extent of calcite formation in specific stream reaches within the Elk Valley watershed.

This report was prepared for Teck by Lotic Environmental Ltd.

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Teck Coal Ltd.
Regional Calcite Monitoring Program

2020 Annual Report

April 2021

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Suggested citation

Zathey, N. Mitchell, S., and M.D. Robinson. 2021. Teck Coal Ltd. 2020 Calcite Monitoring Program Annual Report. Prepared for Teck Coal Ltd. by Lotic Environmental Ltd. 54 pp + appendices.

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Acknowledgements

We would like to thank Allison Ferguson, Jennifer de Werk, and Mariah Arnold for their involvement in this program and in particular with reviewing the initial work plans, support and safe work planning during field work, and final site selection. We would also like to thank Daniel Barios and Evan Hillman for input and connectivity to Teck's Calcite Management initiatives. Last, thank you to Minnow Environmental and Ecofish Research Ltd. for communications involving program comparisons.

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Definitions

- AMP – Adaptive management plan.
- Cp – Calcite presence score. A binary metric of calcite presence where a score of 0 is not present and 1 is present.
- Cp' – Calcite proportional presence score. A refinement of Cp that incorporates a measure of the area of a particle covered by calcite: 0 = not present, 0.1 = 10% covered, 0.2 = 20% covered…0.9 = 90% covered, and 1 = 100% covered.
- Cc – Calcite concretion. A measure of the degree to which a particle is fused to adjacent particles by calcite: 0 = no concretion; 1 = concreted but movable by hand; 2 = concreted and immobile by hand.
- CI – Calcite index score. The sum of calcite presence (C_p) and calcite concretion (C_c) for an individual stone.
- Degree – The amount of calcite deposition estimated by the level of concretion.
- Eligible treatment reach – A reach that exceeds the site performance objective (Permit 107517) of a calcite concretion score of 0.5.
- EMC – Environmental monitoring committee.
- EVWQP – Elk Valley water quality plan.
- Exposed – Stream locations with mine-influenced water; used to contrast the reference sites to.
- Extent – The spatial coverage of calcite deposition expressed as an area covered at a specific location or linear coverage over a stream length.
- Habitat unit – A distinct channel unit possessing homogeneous hydraulic and geomorphological characteristics (e.g., riffle, pool, glide, cascade).
- KUs – Key uncertainties.
- MQs – Management questions.
- Reach – A relatively homogeneous section of stream in terms of channel morphology, riparian cover and flow.
- Reference – Stream location without mine-influenced water; used to contrast the exposed sites to.
- Sampling unit – A single unit used to describe a larger entity. For example, a site could be considered the sampling unit for estimating the average calcite coverage over an entire reach.
- Segment – Aggregation of adjacent reaches that have similar calcite indices identified from previous sampling and have the same exposure to mining.
- Site – A location within a reach where observations of calcite deposition were made. These are replicate observations (sample units) within the treatment unit (reach).

Executive Summary

Teck Coal Ltd. continues to conduct an annual calcite monitoring program both to satisfy monitoring and reporting requirements of the *Environmental Management Ac*t Permit 107517 (Section 8.5 and 9.7) and to inform management actions to address calcite formation according to site performance objectives of the permit. This year represents the eighth year of the Regional Calcite Monitoring Program. Site selection followed the same combined approach as 2019, which merged the reach-by-reach approach (sampling every single reach) and the indicator reach approach (sampling one indicator reach to represent conditions across a group of reaches). The combined approach allows for detailed information on reaches of interest, but also balances field effort.

The 2020 Regional Calcite Monitoring Program was conducted between September 21 to October 27, in which 267 sites were sampled across 99 reaches. Sampling effort in reference and exposed reaches remained consistent with previous years. Twenty-six reaches exceeded the site performance objective of calcite concretion scores below 0.5 that will come into effect in 2024. Data from this year supports that calcite is increasing in many reaches throughout the Elk Valley. This increase is more pronounced in tributaries compared with mainstem reaches. Thirty-eight percent of reaches had significant increasing trends in calcite index and calcite in exposed reaches are increasing more quickly than reference reaches. This year was the first time that habitat unit had a significant, though marginal, effect on calcite index. Cascades had significantly higher calcite index and calcite concretion than glides, with no difference between any other habitat unit. There were no significant differences in calcite presence between any habitat unit. Comparison of sampling programs indicated that the regional and spawning suitability programs produced more similar calcite index results than regional program and the RAEMP/LAEMP programs. The spawning suitability program samples one kilometre stream lengths that include all habitat units, which is comparable to the regional program, which samples 100 metre stream lengths that usually have more than one habitat unit. The RAEMP/LAEMP programs sample calcite only within the riffles where benthic invertebrate samples are collected.

A revised version of calcite presence (denoted at Cp') was trialed in 2020. This measurement of presence uses a proportion of the rock covered in calcite and classifies rocks in 10% bins (0.1, 0.2, 0.3, etc.), compared to the previous Cp, which uses presence or absence. Cp' reduced inter-crew variability within the regional program and also inter-program variability.

1 Introduction

Calcite ($CaCO_3$) is a calcium carbonate deposit that can, under the appropriate chemical environment, precipitate on organic and inorganic substrate in freshwater streams. Calcite affects aquatic habitats by altering benthic invertebrate communities and altering stream substrate, which affects fish spawning potential. At calcite index values greater than 1, the proportion of Ephemeroptera deviated from the normal range (Minnow 2016). Calcite concretion has also been found to have a direct impact on Westslope Cutthroat Trout spawning suitability in redd presence and count (Hocking et al. 2020). As calcite concretion increased, redd presence decreased. Although naturally occurring, the degree and extent of calcite formation can increase as a result of open pit mine runoff (Teck 2017).

Teck Coal Ltd. (Teck) has been documenting calcite occurrence in waterways downstream of its coal mine operations since 2008 (Berdusco 2009). In 2013, a Regional Calcite Monitoring Program was implemented at Teck sites within the Elk Valley. This program has developed the most comprehensive database of calcite in the Elk Valley and has been designed to satisfy the requirements for *Environmental Management Act* Permit 107517.

This program continues to detect changes in calcite within the Elk Valley. There are multiple suspected causes, including mine activity, hydrology, hydrogeology, and biological factors. Several factors are currently being explored by Teck. Within the scope of this report, mine exposure and hydrology are considered. Early-warning triggers are being developed and will be implemented by December 15 2021, that will add an additional tool to Teck's calcite management toolbox. Early warning triggers will help Teck manage calcite risk within the Elk Valley, meet adaptive management commitments, and support regulatory compliance with calcite SPOs.

Regional calcite monitoring began in 2013 using a reach-by-reach approach, where every reach in those streams of interest were sampled. This method was assessed in 2015 and a revised program was implemented between 2016 and 2018 in which reach-by-reach approach was replaced with indicator reaches. In this method, one or more reaches of a stream were grouped into segments based on historical calcite results and similar water quality conditions and one indicator reach from each segment was identified to be sampled (Robinson and Atherton 2016). These indicator reaches and stream segments are listed in Appendix 1. This indicator reach approach reduced sampling time and cost, but can result in reduced resolution and data gaps in reaches that later become of interest. In 2018, the program was once again evaluated and adjustments made. In 2019, sampling combined both the reach-by-reach approach and the indicator reach approach. This hybrid methodology allowed customization of effort and higher-resolution monitoring in key areas of interest. It allowed prioritization of areas of high interest and less intensive surveillance and monitoring in those areas with lower potential of calcite deposition or fewer calcite management activities. Sampling for 2020 followed this same hybrid approach.

A third-party audit was conducted by Matrix Solutions Inc. (Matrix) on Teck's compliance with Permit 107517 (Matrix 2020). Under this report, the Regional Calcite Monitoring Program was assessed and feedback was given to incorporate into this report. Adjustments made to this program under those recommendations will be noted in the appropriate sections.

Teck currently has three operational calcite management programs. In October 2017, antiscalant treatment was applied in lower Greenhills Creek to inhibit calcite precipitation[1]. Following this,

[1] The antiscalant product Suez Depositrol PY5206 was used at all locations (Teck 2020).

Teck began applying antiscalant to Line Creek in October 2018 and to the Swift and Cataract Creeks in February 2020 where it has been diverted through a pipe to a weir and it is discharged into the Fording River. In addition, several other projects are scheduled to become active in 2021 (Teck 2019). The results of regional monitoring will help to guide those projects by describing the current state of calcite in the Elk Valley and identify reaches exceeding site objectives; these results will continue to inform the Calcite Management Plan.

1.1 *Linkage to Adaptive Management*

As required in Permit 107517 Section 10, Teck has developed an Adaptive Management Plan (AMP) to support implementation of the Elk Valley Water Quality Plan (EVWQP) to achieve water quality targets (including calcite), to protect human health and the environment, and where necessary, to facilitate continuous improvement of water quality in the Elk Valley. Following an adaptive management framework, the AMP identifies six Management Questions (MQs) that are re-evaluated at regular intervals. The need for early warning triggers (as well as for calcite early warning triggers specifically) also have been identified for specific MQs, which if reached, initiate action under the AMP Response Framework. The AMP also identifies Key Uncertainties (KUs) that must be reduced to fill gaps in current understanding and support the EVWQP objectives.

The results presented in this report provide information relevant to one of the six MQs and address many of the key uncertainties identified in the AMP. Calcite monitoring data along with data collected from other programs are used to re-evaluate the answer to MQ 4 ("*Is calcite being managed effectively to meet site performance objectives and to protect the aquatic ecosystem*?"). The key uncertainties of MQ4 are listed in Table 1. Results from this report will be used in the development of calcite early warning triggers. Reaching a trigger, or an answer of "no" or "uncertain" to a Management Question, would lead to actions under the Response Framework in the AMP. This report is not the main report for the development of calcite triggers. Teck is working closely with Azimuth to develop Early Warning Triggers (EWT) for calcite and have been in discussion with the Environmental Management Committee (EMC) since 2019. A meeting was conducted with the EMC on February 22, 2021 to further discuss creation of the EWT.

Table 1. Management Question 4 Key Uncertainties (Teck, 2018)

Key Uncertainty Number	Key Uncertainty
4.1	Are the calcite SPOs protective of fish and aquatic life?
4.2	What are the most effective management methods for calcite?
4.3	Are there interrelationships with calcite and select constituents of interest in surface water that need to be considered for calcite management?
4.4	Can early-warning trigger (EWTs) be established for calcite that support calcite management?

Program Objectives

Key objectives of the Elk Valley Calcite Monitoring Program are to:

1. Document the extent and degree of calcite deposition in streams downstream of Teck's coal operations (e.g., streams influenced by mining, calcite treatment, water treatment and in reference streams).
2. Satisfy the requirements for annual calcite monitoring in *Environmental Management Act* Permit 107517.
3. Provide data to support the re-evaluation of Management Question 4 ("*Is calcite being managed effectively to meet site performance objectives and protect aquatic ecosystem health?*") and Key Uncertainties in Permit 107517 as they relate to calcite.

Table 2. Permit 107517 annual reporting requirements (Section 9.7).

Requirement Number	Description	Report Section Reference
i	A map of monitoring locations	Appendix 3
ii	A summary of background information on that year's Program, including discussion of Program modifications relative to previous years	2.2 & 2.3
iii	Results of stream selection reassessment – highlight streams added/removed	2.2
iv	Summary of where sampling followed the methodology in the monitoring plan document, and details where sampling deviated from the approved methodology	2.2
v	Statement of results for the period over which sampling was conducted	3
vi	Reference to the raw data, provided as appendices	2.4.3
vii	General discussion of observations, including summary tables of sites with increasing and decreasing deposition indices	3.2
viii	Interpretation of location, extent, and any other observations	3.2 & 3.3
ix	A summary of any QA/QC issues during the year	3.1
x	Recommendations for sites to add, sites to remove, modifications to methodology, monitoring frequency adjustments	5
xi	A statistical evaluation of monitoring data to evaluate the presence of short and long term calcite related trends in the Elk Valley main stems and select tributaries	3.2

2 Methods

2.1 *Study area*

The study area is consistent with the 2013-2019 study designs. Monitoring sites are located in waterways downstream of Teck's five Elk Valley coal mining operations in southern British Columbia: Fording River Operations (FRO), Greenhills Operations (GHO), Line Creek Operations (LCO), Elkview Operations (EVO), and Coal Mountain Operations[2] (CMO) and in reference reaches (Figure 1). The study area extends north of FRO to the downstream limit of the Elk River at Fernie, BC, covering a major portion of the Elk Valley watershed.

[2] Coal Mountain Operations is no longer operating and is in a Care and Maintenance status.

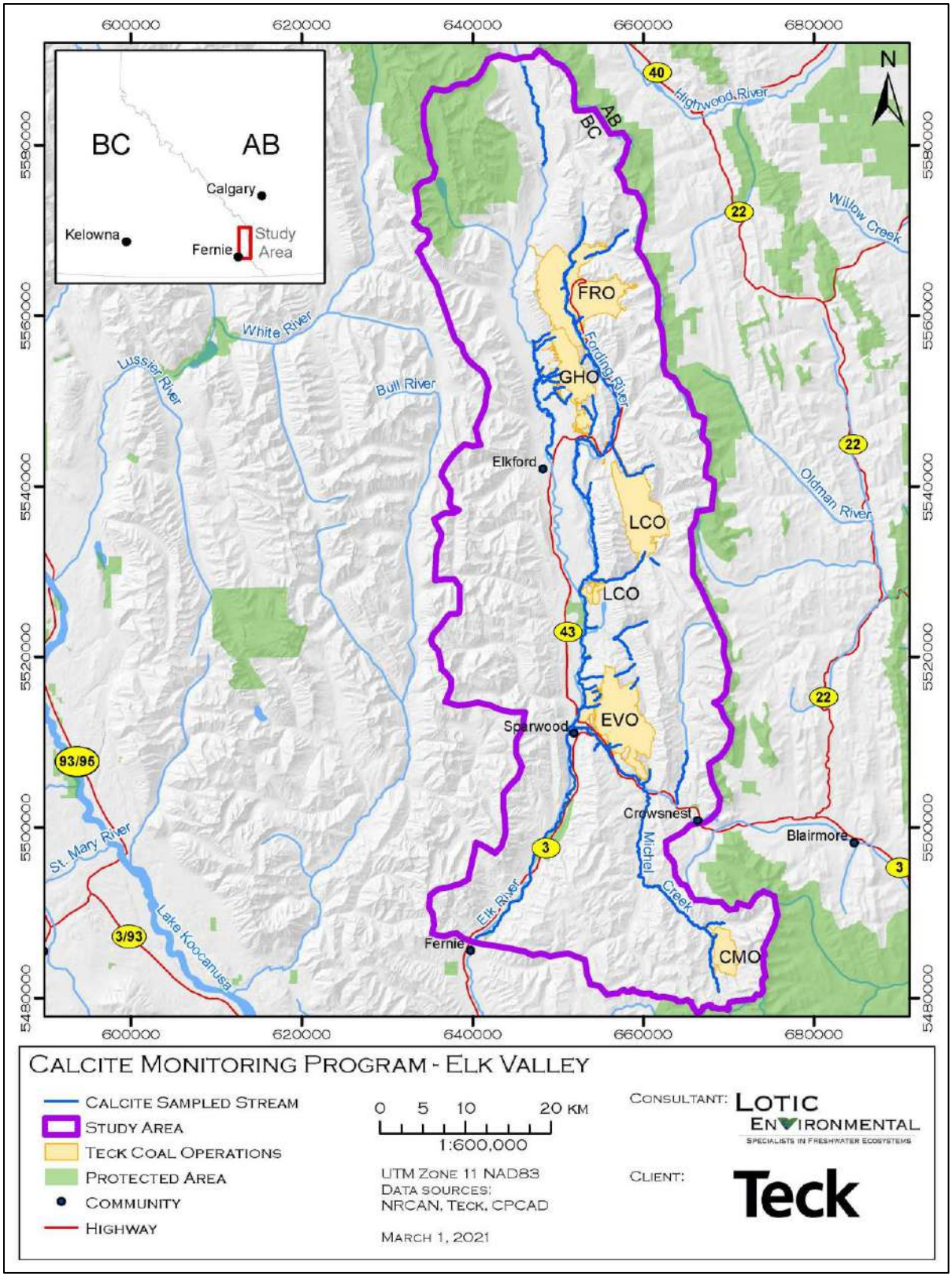

Figure 1. Regional Calcite Monitoring Program study area.

2.2 *Sample Locations*

The 2020 Regional Calcite Monitoring Program study sampled 267 sites from 97 reaches throughout the Elk Valley. The design proposed that 276 sites be sampled from 102 reaches. There were 235 exposed sites distributed among 88 reaches and 32 reference sites among 11 reaches. Sites not sampled in 2020 were due to sites being dry, frozen, or safety concerns with steep banks with snow and ice present (Table 4). Sites at the Greenhills greenhouse side channel (GSCH1-25, GSCH1-50, and GSCH1-75) were added to determine calcite presence in this area. Thompson (THOM), upper Thompson (UTHO), and upper Thompson Pond outlet (UTPO) were added to determine calcite presence before antiscalant is added that would affect these reaches. Any sampling changes at a reach level are listed in Appendix 2, and the reason for these changes is denoted. All sampled reaches will be presented in the data in Section 3 by site and reach.

Reaches SITE-18, STR02 and STR-14 are sampled to meet the requirements of Sparwood Ridge Monitoring Program as stated in a letter from Ministry of Environment (2016): “Add streams identified as having calcite precipitation to the regional Calcite Monitoring Program”.

The number of sites per reach were determined based upon prevalence of calcite in the previous year. The calcite index (see below) was used to determine sample distribution, with more sites assigned at intermediate calcite index values (1.00-2.00; Table 3) where intra-reach variability has been documented to be high (Smithson and Robinson 2017). All sites are mapped in Appendix 3. The Universal Transverse Mercators (UTMS) of all sites sampled in 2020 are presented in Appendix 4. Providing site maps and UTMS was a recommendation of the 2020 audit in section 4.3.6. which asked to clearly show all site locations (Matrix 2020).

Table 3. Distribution of sample sites in 2020 as function of calcite index value in 2019 (modified from Robinson and Atherton 2016).

Calcite Index Bin	Number sample sites within a reach
0.00-0.25	3
0.25-1.00	3
1.00-1.50	6
1.50-2.00	6
2.00-2.50	3
2.50-3.00	3

Table 4. Sites not surveyed (frozen, dry, or safety considerations) and additional sites added to 2020 Program.

Dry	Frozen	Safety or construction	Added
FENN1-25	FORD6-25	FORD4-25	GSCH1-25
LINE7-25		FORD4-37.5	GSCH1-50
LINE7-50		SWIF1-0*	GSCH1-75
LINE7-75			THOM4-25
MICK1-25			THOM4-50
MICK1-37.5			THOM4-75
MICK1-50			UTHO1-25
MICK1-62.5			UTHO1-50
QUAL1-0			UTHO1-75
STR14			UTPO1-0
THRE1-25			
THRE1-50			
THRE1-75			
WILS1-25			
WILS1-50			

* Water at SWIF1-0 has been diverted into a pipe for the FRO Active Water Treatment Facility and has been removed from the program.

2.3 *Field surveys*

Calcite surveys in 2020 were completed between September 21 to October 27, 2020 with methods following those described in Robinson and Atherton (2016). In brief, a modified Wolman pebble count (Wolman 1954) was used to randomly select stones for inspection of calcite. At each site, 100 individual rocks were sampled over approximately 100 m, a distance that included multiple habitat units. That is, sampling was aggregated over habitat units, and the habitat unit of each stone was recorded. Stones were evaluated for presence of calcite and concretion of calcite.

Training was completed prior to sampling for all regional crew members, as well as other programs (spawning suitability and regional and local aquatic effects monitoring programs). This involved a one-day training session that was half in-class and half in the field.

2.4 *Data analysis*

2.4.1 Calcite metrics

From inspection of all 100 stones three metrics were calculated:

$$Cp = Calcite\ Presence\ = \frac{Sum\ of\ stones\ presence\ scores}{Number\ of\ \text{stones}\ counted}$$

$$Cc = Calcite\ Concretion = \frac{Sum\ of\ stones\ concretion\ scores}{Number\ of\ stones\ counted}$$

$$CI = Calcite\ Index = Cp + Cc$$

In previous reports, calcite presence was denoted as CI_p. In 2020, the calcite presence has been updated to Cp for clearer differentiation between the different metrics. Similarly, calcite concretion was CI_c and has since been updated to Cc. Calcite index remains as the acronym CI.

2.4.2 Data quality assurance

Data quality assurance procedures follow those of the earlier programs (Robinson *et al.* 2016). Specifically, quality assurance steps included calcite index scores being calculated in the field and compared to Table 3 to determine if additional sampling sites were required within the reach.

CI scores were also compared to previous year's scores to determine if there was a large inter-year variation. Large changes between years would result in a crew re-sampling a site to confirm the calcite index.

Ten percent (10%) of the total sites sampled were randomly selected and sampled by two different Lotic crews to assess inter-crew variability. A t-test was run to test for significant differences between crews and to quantify the mean difference.

Following data entry, values in cells were assessed for accuracy using a computer script developed from R Programming Language. This was to check that cells contained acceptable values (e.g., calcite presence score can only be 0 or 1; concreted scores can only be 0, 1, or 2; concreted score must be 0 if calcite presence is 0). Cells that had errors or were blank were flagged and corrected.

2.4.3 General calcite distribution

Results were categorized into four stream categories (Table 5). Sites on the Elk, Michel and Fording Rivers were considered mainstem. In previous years, sites on the Michel River were considered tributary sites, however, to align with other sampling programs and due to the size of the Michel River, it was reclassified in 2020. Stream length was summarized into exposed or reference sites in mainstem or tributaries using calcite index "bins". Six bins of 0.50 (and one bin at 0.00) were used to divide the range of calcite index scores from 0.00 – 3.00 (representing low to high calcite levels). Analysis included reclassification of Michel Creek in all previous years and rerunning the tests.

Table 5. The number of reaches in mainstem or tributary in exposed or reference conditions.

Strata	Exposed	Reference
Mainstem	19 reaches	3 reaches
Tributary	69 reaches	8 reaches

Bar graphs were used to compare the distribution of kilometers of reaches across each strata (mainstem or tributary) and type (reference or exposed). Stream length were displayed by bin for calcite presence, calcite concretion, and calcite index.

As an alternative approach, various statistics (25, 50, and 75 percentiles) were plotted from frequency distributions for calcite presence, calcite concretion, and calcite index from 2013 to

2020 to present results as a continuum, as opposed to binning. This assessment used mean values per reach and did not incorporate reach length.

Mean calcite index scores for each reach were mapped to illustrate the spatial distribution of calcite relative to each of the mines. These maps show the mean calcite index value for reaches sampled in 2020 (Appendix 5). Calcite concretion scores were also mapped throughout the Elk Valley (Appendix 6). Values in the brackets next to each reach are the mean reach values for calcite index or calcite concretion.

2.4.3.1 Rate of change in calcite deposition

Analysis of co-variance (ANCOVA) was conducted to investigate whether the rate of change differed between reference and exposed reaches. Linear regression was used to determine if both reference and exposed reaches were significantly increasing.

2.4.3.2 Permit 107517 Site Performance Objectives

Environmental Management Act Permit 107517 provides site performance objectives (SPO) for various water quality variables, including calcite. The Elk Valley Water Quality Plan defines short-term (December 31, 2024) and long-term (December 31, 2029) SPOs for calcite. The short-term objective states that "streams that are fish bearing, provide fish habitat or flow directly into fish bearing streams and are not scheduled by an environmental assessment certificate or mines act permit to be buried" must be managed to a calcite concretion score ≤ 0.5. The concretion scores of all sites were compared to the 2024 SPO of 0.5. All sites that exceed this SPO are listed in a table, along with the length of each site to determine total stream kilometers, which will inform the Calcite Management Plan (section 5.1 of Permit 107517).

2.4.4 Trends by reach

Calcite data were analyzed using the Mann-Kendall approach to assess for changes over time. This is a statistical test to determine if a monotonic trend exists within a time series of data. The Mann-Kendall tau represents the "strength" of correlation between two variables: calcite presence or calcite concretion or calcite index and year. A tau of 1 indicates a strong and positive (i.e. increasing) relationship while a value of -1 implies one that is strong and negative (i.e. decreasing). The caveat must be expressed that this is likely a weak test as Mann-Kendall is sensitive to autocorrelation, which the calcite data – with repeated measurements at the same locations among years – are likely to possess. Additionally, analysis of variance (ANOVA) followed by Tukey's Honestly Significant Difference (HSD) post-hoc analysis was used to analyze the effect of year on mean calcite index values per reach to test for step-wise changes.

2.4.5 Trends in reaches associated with treatment

The Lower Greenhills antiscalant module was operational as of 2017, which treats GREE1. An active water treatment facility was constructed on Line Creek/West Line Creek in 2018, which impacts LINE4. These reaches were compared pre and post treatment and trendlines were examined. At this point, only qualitative comparisons can be made, as there are limited years of data post-treatment.

A temporary antiscalant module was installed to treat the combined flow of Swift and Cataract creeks in 2019. Prior to 2019, Cataract Creek flowed into FORD9, upstream of FORD9-37.5. It was diverted to join Swift Creek and discharge into the Fording River upstream of FORD9-60. As such, FORD9 divided into two subreaches (Figure 2):

- FORD9a – sites downstream of the diversion pipe (FORD9-25, FORD9-37.5 and FORD9-60).
- FORD9b - sites upstream of the diversion pipe (FORD9-62.5 and FORD9-75).

FORD9a will reflect changes due to treatment and the diversion of Swift Creek. FORD9b will serve as an uninfluenced reference of FORD9 in absence of either the diversion of Cataract Creek or treatment. FORD9 was only divided in this way for this section on treated reaches, not in any other analysis. There will be further discussions to incorporate this division in FORD9 for future reports for all analyses.

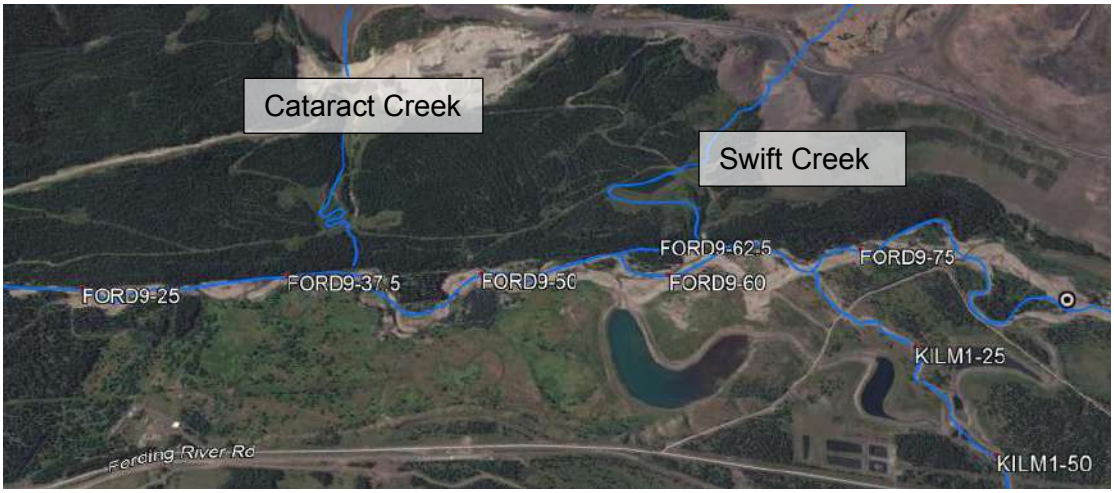

Figure 2. Overview of sites and tributaries to FORD9.

2.4.6 Effect of streamflow

The effect of streamflow on calcite has been presented as a potential explanation, at least in part, of the increasing trends of calcite index as trends have been observed in both exposed and reference reaches (e.g., McCabe and Robinson 2020). The concept is that increased streamflow has the ability to reduce the degree of calcite deposition through processes of sediment transport, bank erosion, and physical abrasion. Conversely, a lack of high flow events may promote periods of increased calcite deposition. Streamflow gauging was used to show the 2020 freshet as the highest peak instantaneous flow since the major flood of 2013 (Figure 3). This was investigated to see if it influenced calcite index as both an absolute score and the rate of change. Linear regression was run on both calcite index and the change in calcite index per year (CI/year) versus peak instantaneous discharge. Two areas were selected to pair monitoring reaches within the area to their respective hydrometric station. The two areas were the Fording River and Line Creek watersheds. Within the Fording River are Teck's Management Units 1 and 2. Reaches pooled by MU1 and MU2 were assessed relative to the Fording River at the Mouth hydrometric station. Reaches within Line Creek were assessed relative to the Line Creek at the Mouth hydrometric station. Both stations are operated by Water Survey of Canada.

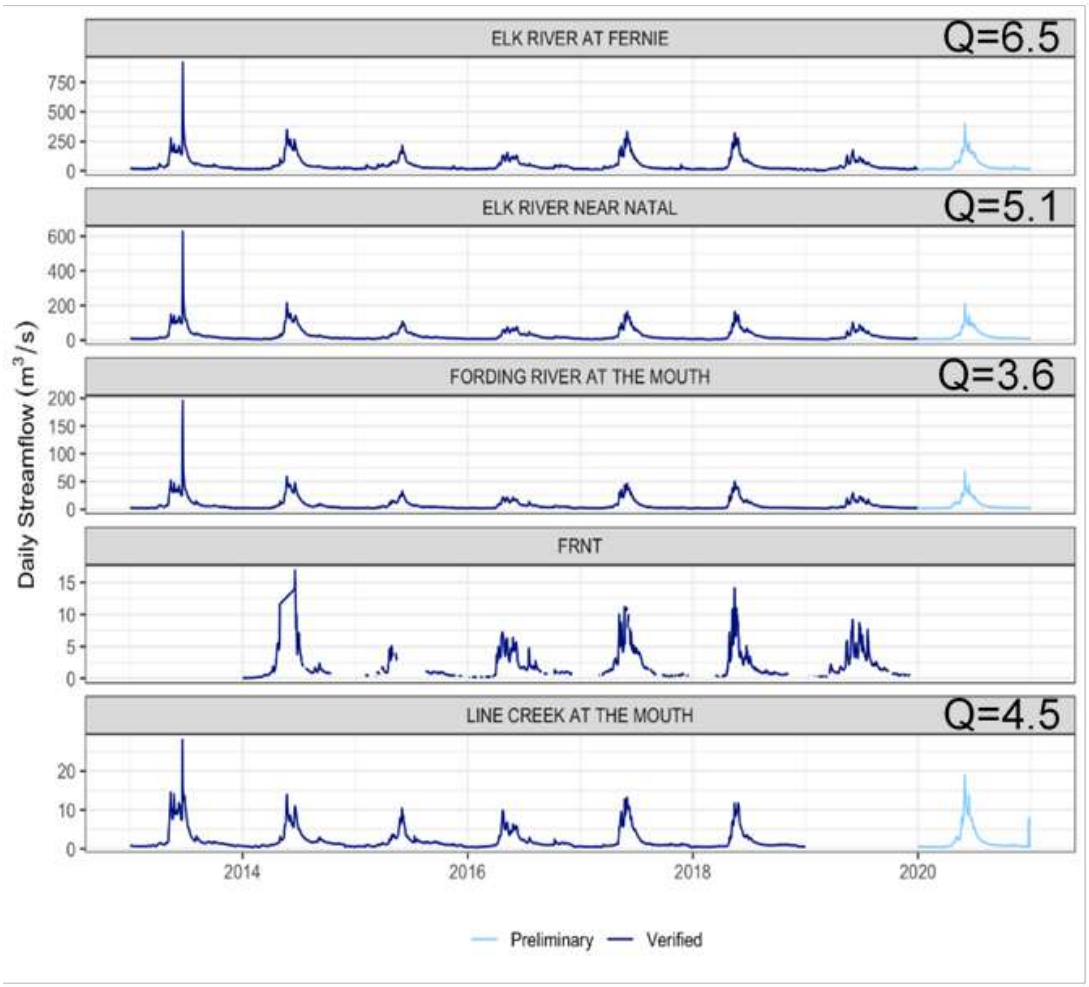

Figure 3. Hydrographs from various hydrometric stations throughout the Elk Valley (2013-2020 where data are available).

2.4.7 Effect of habitat unit type

Investigation into whether habitat unit type – pool, riffle, glide, cascade – had an effect on calcite index was added back into the program in 2019 and continued in 2020. These are the standard habitat unit classifications used in the provincial level 1 Fish Habitat Assessment procedure (Johnston and Slaney 1996). The presence and proportions of the different habitat units varied by reach based on channel morphology. For example, higher gradient, step-pool reaches typically have greater proportions of cascades and riffles than lower gradient reaches which are dominated by pool and glide habitat. The calcite-habitat unit assessment included only reaches containing at least one glide, pool, and riffle to evaluate calcite among habitat units within a single reach. ANOVA (with Tukey's HSD) was completed to test for a significant effect of habitat unit type on the subset of reaches that contained each of these habitats. This ANOVA was also used to determine those aspects of the calcite index affected – presence, concretion, or both.

2.4.8 Inter-program comparisons

Teck collects calcite data as part of its Regional Aquatic Effects Program (RAEMP) and Local Aquatic Effects Monitoring Programs (LAEMP), conducted by Minnow Environmental Ltd. and Golder Associates Inc.. Data collected under these programs follow the same field protocol as the Regional Calcite Monitoring Program described previously, with the exception of spatial coverage at a site level. Where the Regional Calcite Monitoring Program collects data at sites approximately 100 m long and containing multiple habitat unit types, RAEMP/LAEMPs collect calcite data within only an individual riffle habitat unit. The RAEMP/LAEMPs do this so the resulting calcite index values are spatially correlated with the biological data also being collected within a single habitat unit. RAEMP/LAEMP and Spawning suitability sites were mapped alongside Regional reaches in Appendix 7. Teck also collected calcite data to model potential effects of calcite on Westslope Cutthroat Trout spawning habitat suitability, which is completed by Ecofish Research Ltd. Sampling for the Spawning suitability program involved sampling 1 km reaches of streams, and 30 pebbles of every habitat unit within that section were assessed.

RAEMP/LAEMPs and Spawning suitability data were mapped to find sites that were spatially linked with regional reaches (i.e. within 100 m of regional monitoring reaches). These data were then plotted on scatterplots, and fitted with linear regression lines. If the programs generated comparable values, the distribution of points is expected to fall along a 1:1 line of the regression plot (i.e., unity). Departure of the regression line from unity was evaluated by confidence intervals about the slope parameter. These comparisons were made for calcite presence, calcite concretion, and calcite index. RAEMP/LAEMPs and Spawning suitability sites were also compared to one another when they fell within 100 m.

In 2020, training workshops were conducted for all crew members of every program to confirm consistency in calcite measurements. This workshop was an action item from the audit in section 5.1 (Matrix 2020). This training was conducted by Lotic crew members and was a half day in the office and the other half in the field. Every sampler got an opportunity to sample stones and share and discuss with the group. A list of attendees of each workshop is in Appendix 8. The r^2 of program comparisons from 2019 was compared to 2020 to determine the effect of training on reducing sampling variability.

2.4.9 Assessment of the Calcite Index

Through inter-program training, a potential modification was identified to increase the resolution of the calcite presence score and in doing so:

1. Reduce within-reach variability
2. Improve power of detecting change in calcite index over time and;
3. Reduce inter-crew variability.

The recommendation was to incorporate estimates of the amount of calcite coverage on an individual particle when recording presence. Previously calcite presence was binary, as 0 = no calcite and 1 = calcite present. An alternate calcite presence (Cp') metric was developed to record presence as a scalable score from 0 to 1 that increased by 0.1 increments where the increments equaled percentage cover of an individual particle. For example, a rock covered with 50% surficial coverage of calcite receives a Cp' score of 0.5, whereas it would previously have been scored Cp=1; a rock with 10% coverage gets a Cp' score of 0.1, whereas it too would have been scored Cp=1 (Figure 4). Cp' can be easily converted to the conventional Cp for comparison to a historical dataset (Table 6).

Cp and Cp' were compared using a paired t-test at the reach level. Individual reaches were then plotted in a scatterplot with standard deviation to show trends across calcite presence values. The ability for Cp' to reduce inter-crew differences was first assessed within the Regional Calcite Monitoring Program. Twenty regional sites were sampled by two different Lotic crews for quality assurance and quality check purposes. These data were compared in scatterplots by Cp and Cp' to determine if variability would decrease when using this new approach. A higher r^2 value of regression lines fit to the data would be interpreted as reduced variability between crews. Inter-crew comparison was then completed using regional and spawning suitability data. The spawning suitability program also trialed Cp' in 2020. Cp of regional monitoring sites and spawning suitability sites were compared in a scatterplot. These programs were then compared using Cp', and the r^2 of these two models were compared.

Table 6. Cross-referencing between the old method of calcite presence (Cp) and the new method of calcite presence (Cp') scores.

Cp	Cp'	Percent of particle area covered
0	0	0%
1	0.1	10%
	0.2	20%
	0.3	30%
	0.4	40%
	0.5	50%
	0.6	60%
	0.7	70%
	0.8	80%
	0.9	90%
	1	100%

This modification results in two new metrics shown below.

$$Cp' = Alternate\ calcite\ presence$$

$$= \frac{Sum\ the\ proportional\ calcite\ presence\ of\ individual\ stones}{Number\ of\ \text{stones}\ counted}$$

$$CI' = Calcite\ Index\ (\text{new}) = Cp' + Cc$$

Figure 4. Two particles with calcite presence (Cp = 1), yet obvious differences in percent coverage.

3 Results

3.1 *Data quality assurance*

The R script detected errors in less than 0.1% of all data entered. These were corrected before analysis. The comparison of sites sampled by two different Lotic crews is further described in 3.8 Assessment of the Calcite Index.

3.2 *General calcite distribution*

The Program was conducted from September 21 to October 27, 2020. In total, 99 reaches and 267 sites were sampled, compared to 78 reaches and 205 sites in 2019. Calcite index, calcite presence, and calcite concretion for all reaches and sites from 2013-2020 is provided in Appendix 9 and Appendix 10.

Three hundred and forty-five kilometres of stream were evaluated and mapped in 2020; similar to the 352.7 km in 2019 (Appendix 11). The mainstem reference and mainstem exposed reaches remain similar with the mean of stream length for all previous years. In 2020 there were 77.5 km in exposed tributaries, similar than the long-term average of 80.4 km. One change from previous years was the removal of Cataract Creek and Swift Creek from the programs as a result of water quality management and active construction, respectively. This year there were 32.4 km in reference tributaries, compared with 35.6 km as the long-term average. Stream kilometers categorized into calcite presence, concretion, and index bins are provided in Appendix 11.

Inclusion of a “0” bin in the distribution graphs showed that all exposed mainstem reaches have at least some level of calcite, as has been the case since 2019 (Figure 5). Trends indicate a shift in calcite index from the 0.1-0.5 bin into the 0.5-1 bin continued in exposed mainstem and both exposed and reference tributaries. The mainstem reference reaches show the opposite with some of the stream kilometers ranking in the 0.5-1 bin reverting back to the 0.1-0.5 bin in 2020. The increase in calcite index in exposed mainstem and tributaries reaches is progressing further than reference tributaries as the shift from the 0 bin to the 0-0.5 bin occurred around 2015-2016. More recently, the shift can be seen out of 0-0.5 bin and into the 0.5-1.0 bin. In general, exposed reaches on the mainstem and tributary sites have a larger distribution of calcite index than reference reaches. The tributary reference point with higher calcite index and presence was Alexander Creek in 2019, which reverted back to more historical values in 2020.

Distribution of calcite presence (Figure 6) and calcite concretion (Figure 7) show that the trends observed in calcite index are driven by different components. Changes in mainstem reference calcite index is a response to calcite presence and little to do with calcite concretion, and no calcite concretion was observed in mainstem reference sites. Conversely, the increases in calcite index in exposed mainstem and tributaries is supported by both increased presence and concretion. In 2020, calcite concretion only exceeded scores of 0.5 in exposed tributaries.

Figure 5. The distribution of calcite index by reach kilometers.

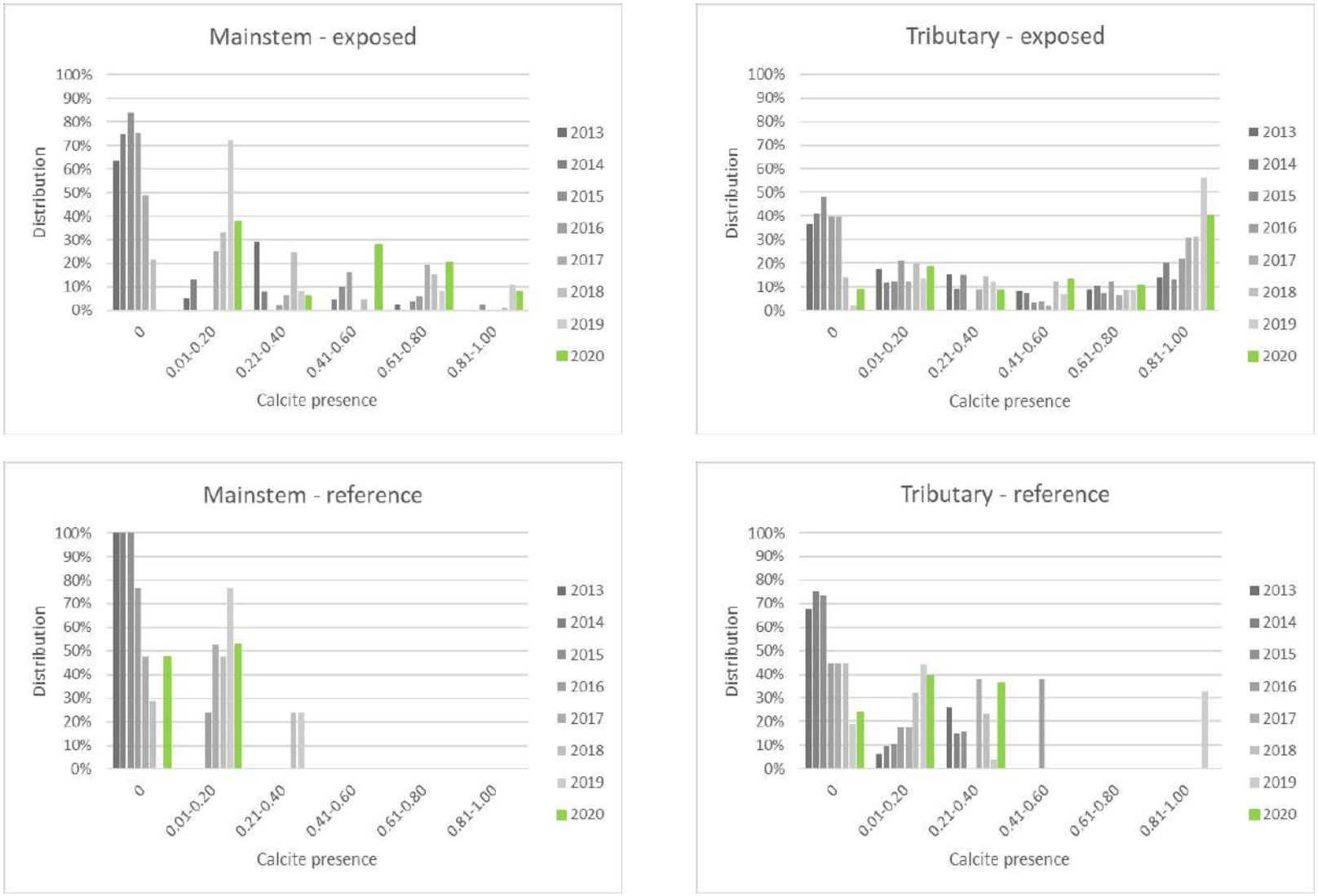

Figure 6. The distribution of calcite presence by reach kilometers.

Figure 7. The distribution of calcite concretion by reach kilometers.

The percentile plots generated for calcite index provide an alternative means of presenting these data with similar conclusions to the standard bar graph presentation. General increasing trends were observed in each of the four reach groups (Figure 8). Calcite index of exposed reaches continued to be elevated relative to reference reaches with 50% of mainstem exposed and tributary exposed reaches having a calcite index greater than 0.47 and 1.23 in 2020, respectively. Whereas 50% of mainstem and tributary references had calcite index values of 0.06 and 0.14, respectively.

The 50th percentile values from 2020 were comparable to 75th percentile values in 2015, meaning that in 2020 50% of reaches had calcite index score that exceeded these values, whereas in 2015 approximately just 25% of the reaches exceeded these values.

While generally increasing from 2013-2020, these plots show a leveling off and perhaps even a slight decrease in calcite index in exposed tributaries and both reference mainstem and exposed reaches from 2019 to 2020.

Calcite presence mimics similar trends to calcite index, where calcite presence has a wider distribution of values for exposed reaches compared to reference reaches (Figure 9). Exposed tributary in 2020 have a 75% percentile of 0.94, near the maximum presence score of 1, whereas exposed mainstem was 0.75, and both reference groups below 0.25.

Calcite concretion remains near zero for all percentiles for every group but exposed tributaries (Figure 10). In 2020, the 75th percentile for exposed tributaries was 1.51.

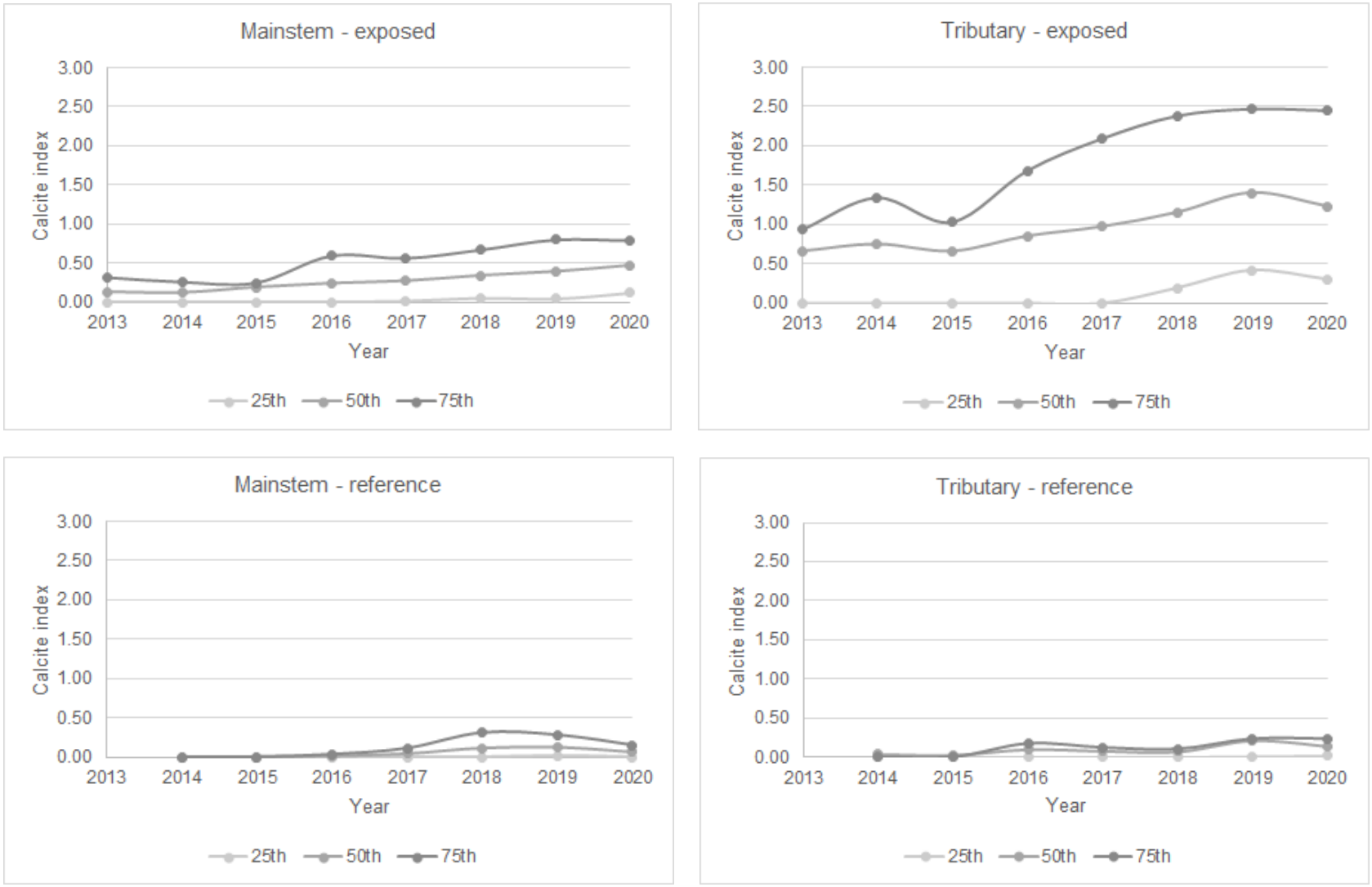

Figure 8. Calcite index by percentiles over time (2013-2020) for mainstem expose, tributary exposed, mainstem reference, and tributary reference.

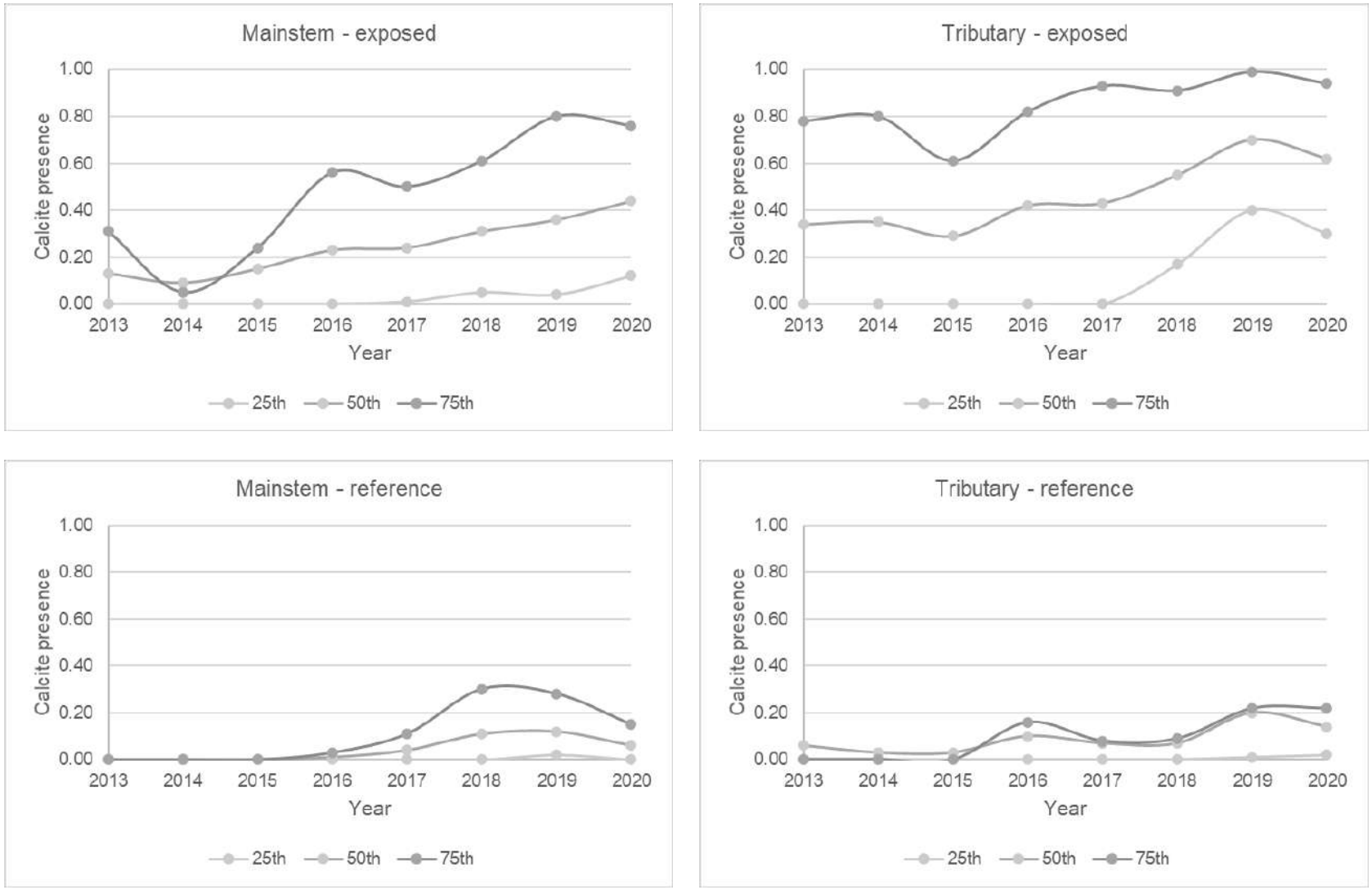

Figure 9. Calcite presence by percentiles over time (2013-2020) for mainstem expose, tributary exposed, mainstem reference, and tributary reference.

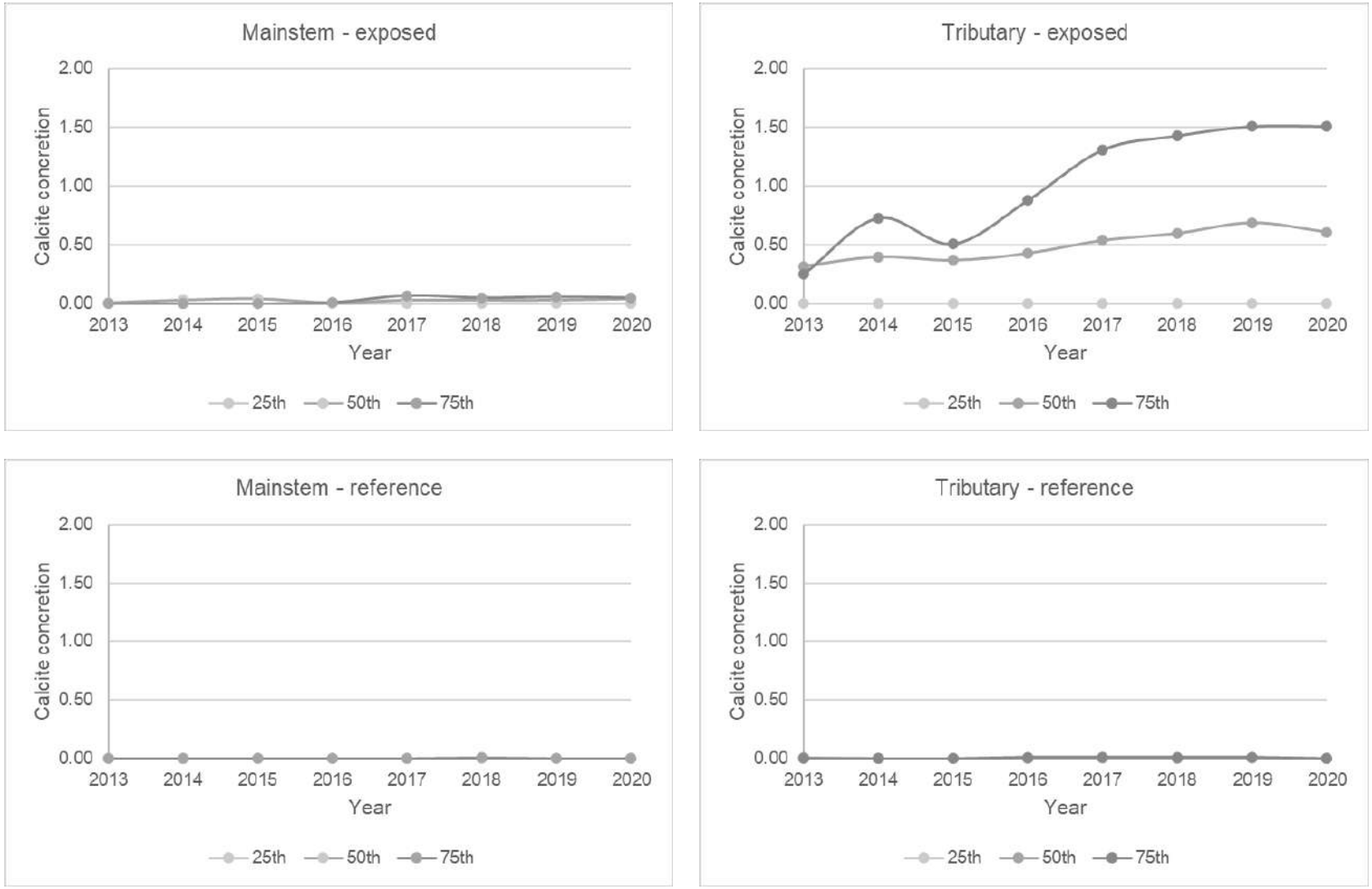

Figure 10. Calcite concretion by percentiles over time (2013-2020) for mainstem expose, tributary exposed, mainstem reference, and tributary reference.

3.2.1 Rate of change in calcite deposition

When grouped, the calcite index of both reference and exposed locations were increasing over the record of this monitoring program. Analysis of co-variance (ANCOVA) was conducted to investigate if the rate of change varied with type (exposed vs reference). While the effect of year was found to be highly significant (p = 0.008), the interaction term of year by type (exposed or reference) was moderately significant (alpha = 0.1) indicating that reference and exposed reaches are increasing at different rates (p = 0.066, Figure 11). While both exposed and reference reaches are increasing by year, exposed reaches are increasing at 0.09 CI/year, whereas reference reaches are increasing at 0.02 CI/year. This demonstrates that exposed reaches are increasing at a rate approximately fives time quicker than reference reaches.

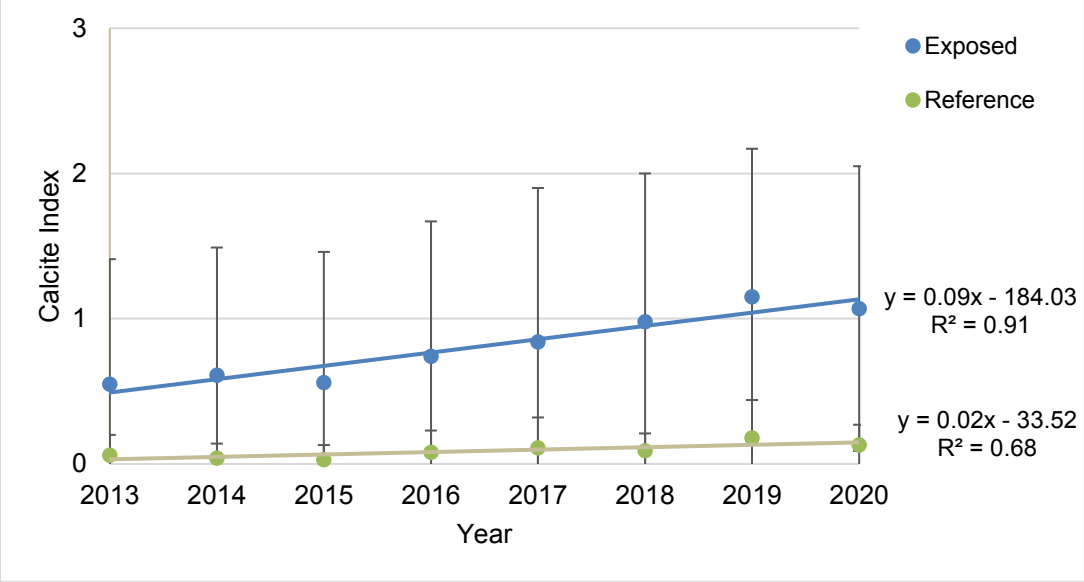

Figure 11. Mean calcite index values over time for exposed and reference sites. Error bars represent standard deviation.

3.2.2 Permit 107517 Site Performance Objectives

In 2020, 27 reaches (in 18 streams) had concretion scores above the 2024 SPO of 0.5 (Table 7). All these reaches were exposed to mining activity. These reaches totaled to 29.41 stream kilometers. In 2019, there were 26 reaches that exceeded the SPO. CORB2 is represented by values from CORB1, due to the indicator reach approach, while in 2019 it was sampled and exceeded this objective. All other reaches included in Table 7 are values of the reach itself. THOM3 have been removed from this list compared to 2019 as it no longer exceeded the objective, whereas, GATE2, NWOL1, and WOLF2 have been added as new reaches this year. SWIF1 has been removed as this reach is no longer sampled due to construction activities.

Table 7. Exposed reaches with mean calcite concretion scores greater than 0.5.

Stream	Reach	Mean Calcite Concretion Score	Standard Deviation	Number of Sites	Length (km)
Bodie	BODI3	1.63	0.07	3	0.47
Corbin	CORB1	1.51	0.14	3	0.59
	CORB2*	1.51	N/A	N/A	2.33
Dry (EVO)	DRYE1	1.67	N/A	1	0.04
Dry (EVO)	DRYE3	1.82	0.11	3	0.48
Dry (EVO)	DRYE4	1.94	N/A	1	0.93
Erickson	ERIC1	1.92	0.09	2	0.35
Erickson	ERIC2	1.62	N/A	1	0.24
Erickson	ERIC3	1.92	N/A	1	0.19
Erickson	ERIC4	0.78	0.66	6	1.58
Gate	GATE2	0.73	0.29	3	1.82
Goddard	GODD2	1.31	0.87	3	0.95
Goddard	GODD3	1.64	0.09	3	1.10
Greenhills	GREE3	1.58	0.05	6	1.70
Greenhills	GREE4	1.84	0.08	3	3.24
Kilmarnock	KILM1	1.61	0.44	3	1.67
Leask	LEAS2	1.46	0.13	3	2.39
Milligan	MILL1	0.51	N/A	1	0.14
North Thompson	NTHO1	1.13	0.31	6	2.00
North Wolfram	NWOL1	1.71	N/A	1	2.34
Porter	PORT3b	1.61	0.40	3	1.43
Site18	SITE	1.97	N/A	1	0.27
South Pit	SPIT1	1.35	N/A	1	0.32
Smith Pond Outlet	SPOU1	1.02	N/A	1	0.03
South Wolfram	SWOL1	1.59	0.28	4	1.85
Wolfram	WOLF2	1.51	N/A	1	0.60
Wolfram	WOLF3	1.95	0.01	3	0.34

*Cc value inferred from indicator reach. **Total stream km:** 29.41

3.3 *Trends by reach*

3.3.1 Mann-Kendall Analysis

Mann-Kendall analysis was run on all reaches without constant values (between years) where two or more sites were surveyed each year from 2013-2020. The tau values for each reach are displayed in Appendix 12 and plots of each metric from 2013 to 2020 are in Appendix 13. Calcite index values by Teck management units showing trends by colored cells are displayed in Appendix 14. Red represents a statistical increase at an alpha of 0.5 and orange represents an increase at an alpha of 0.10. Blue represents a statistical decrease at an alpha of 0.5 and green represents a decrease at an alpha of 0.10. Reaches with significant increasing trends (based on Mann-Kendall) are presented in Table 8.

Calcite presence had the most reaches assessed and the highest percentage of reaches with an increasing trend in 2020 (i.e., 49% of exposed reaches and 40% of reference reaches). PORT3a was the only reach to have a significant decreasing trend, and this trend occurred across all metrics. Calcite concretion had the lowest percentage of reaches assessed using Mann-Kendal due to many reaches having no concretion (2013-2020) and this metric also had the lowest number of increasing trends (23% for exposed reaches and 0% for reference, (Table 9). These increasing trends were only in exposed reaches. As per the understanding of how calcite deposition progresses (i.e., calcite concretion more likely at or above calcite index values of 1), just 5 of the 16 reaches with significant increases in calcite concretion occurred below a calcite index of 1.

Table 8. Calcite presence, calcite concretion and calcite index for all reaches with highlighted cells showing significant increasing Mann-Kendall trends in 2020.

Reach	Calcite presence	Calcite concretion	Calcite index
BALM1	0.01	0.00	0.01
BODI1	0.65	0.45	1.10
BODI3	0.99	1.63	2.62
CHAU1	0.21	0.00	0.21
CLOW1	0.76	0.00	0.76
DRYE1	1.00	1.67	2.67
DRYE3	1.00	1.82	2.82
DRYE4	1.00	1.94	2.94
DRYL1	0.62	0.00	0.62
DRYL2	0.60	0.00	0.60
DRYL3	0.29	0.00	0.29
DRYL4	0.30	0.00	0.30
ELKR9	0.08	0.00	0.08
ERIC1	1.00	1.92	2.92
ERIC2	0.95	1.62	2.57
ERIC4	0.90	0.78	1.68
FORD10	0.45	0.07	0.52

Reach	Calcite presence	Calcite concretion	Calcite index
FORD12	0.15	0.00	0.15
FORD2	0.28	0.05	0.34
FORD3	0.74	0.22	0.96
FORD4	0.84	0.04	0.88
FORD5	0.76	0.03	0.79
FORD7	0.93	0.17	1.09
FORD8	0.69	0.00	0.69
FORD9	0.39	0.05	0.44
FPON1	0.48	0.00	0.48
GARD1	0.38	0.22	0.60
GATE2	0.87	0.73	1.61
GODD1	0.16	0.00	0.16
GODD3	0.91	1.64	2.55
GRAS1	0.16	0.02	0.17
GREE3	1.00	1.58	2.58
GREE4	0.99	1.84	2.84
HENR1	0.62	0.08	0.69
LEAS2	1.00	1.46	2.46
LINE2	0.51	0.01	0.52
LINE4	0.70	0.00	0.70
LMOU1	0.64	0.00	0.64
MICH3	0.45	0.00	0.45
MICH4	0.05	0.00	0.05
MICH5	0.03	0.00	0.03
MILL1	0.82	0.51	1.33
SLINE2	0.05	0.00	0.05
SPIT1	0.95	1.35	2.30
SWOL1	0.93	1.59	2.52
THOM2	0.75	0.06	0.80
THOM3	0.89	0.40	1.29
WOLF2	0.90	1.51	2.41

Table 9. Summary of reaches analyzed and significant trends found using Mann-Kendall in 2020.

Metric	Type	Reaches analyzed	Reaches with a significant increasing trend in 2020
Calcite presence	Reference	10	4 (40%)
	Exposed	79	39 (49%)
Calcite concretion	Reference	5	0 (0%)
	Exposed	71	16 (23%)
Calcite index	Reference	10	4 (40%)
	Exposed	80	34 (44%)

3.3.2 Analysis of Variance

ANOVA was completed on the same reaches that were eligible for Mann-Kendall analysis. This analysis tested for differences in calcite presence, calcite concretion and calcite index among years within a reach. This was intended to investigate variability within a reach over time that may not result in a monotonic trend but rather individual year-to-year variability. Based on examining significant differences on the figures below, these results do not suggest a significant change in most reaches in 2020, except for ALEX3, WOLF1, FORD3, MICH2, and MICH3 (Figure 12, Figure 13, Figure 14). ALEX3 and WOLF1 had a significant decrease in calcite index compared to 2019, whereas, FORD3, MICH2, and MICH3 had a significant increase. These three reaches where increases were observed were not sampled in 2019 (due to the stream segment approach), so 2020 data was compared to 2018 data. There were no clear patterns between calcite and specific years. ANOVA statistics and p values are listed in Appendix 15.

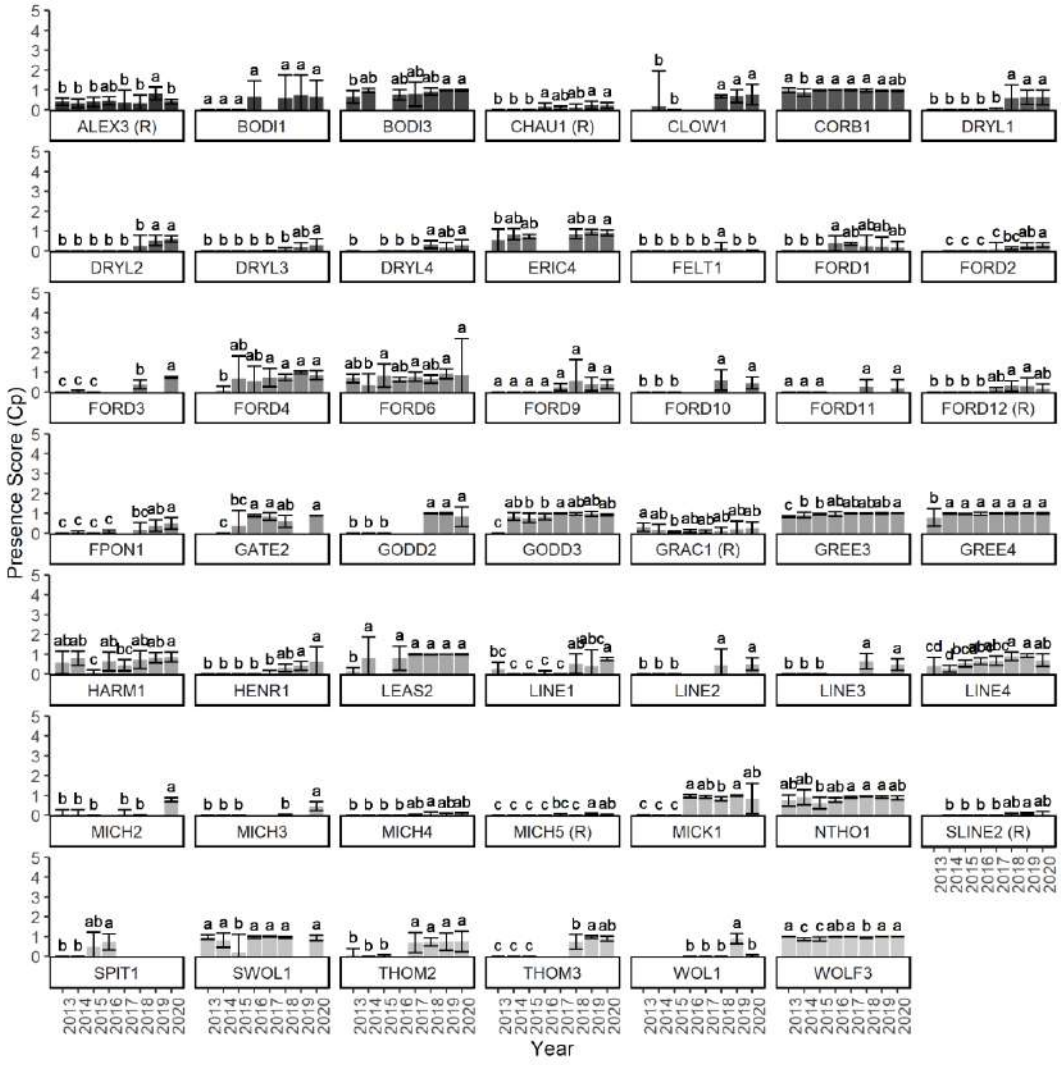

Figure 12. Bar graphs showing results of significant one-way ANOVA tests on calcite presence from 2013-2020. Same letters on bars denote no significant differences in mean calcite presence among years, within the same reach.

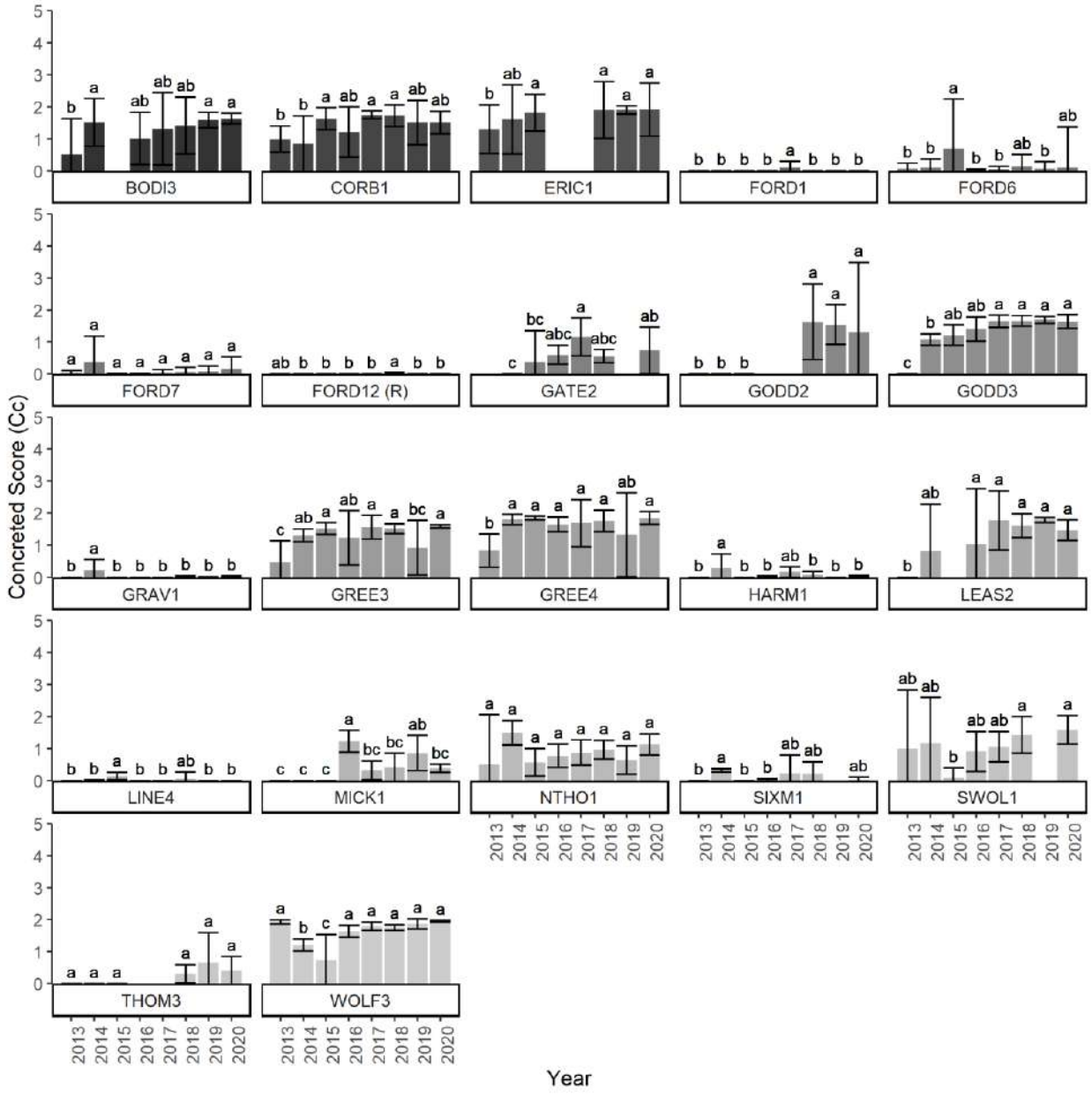

Figure 13. Bar graphs showing results of significant one-way ANOVA tests on calcite concretion from 2013-2020. Same letters on bars denote no significant differences in mean calcite concretion among years, within the same reach.

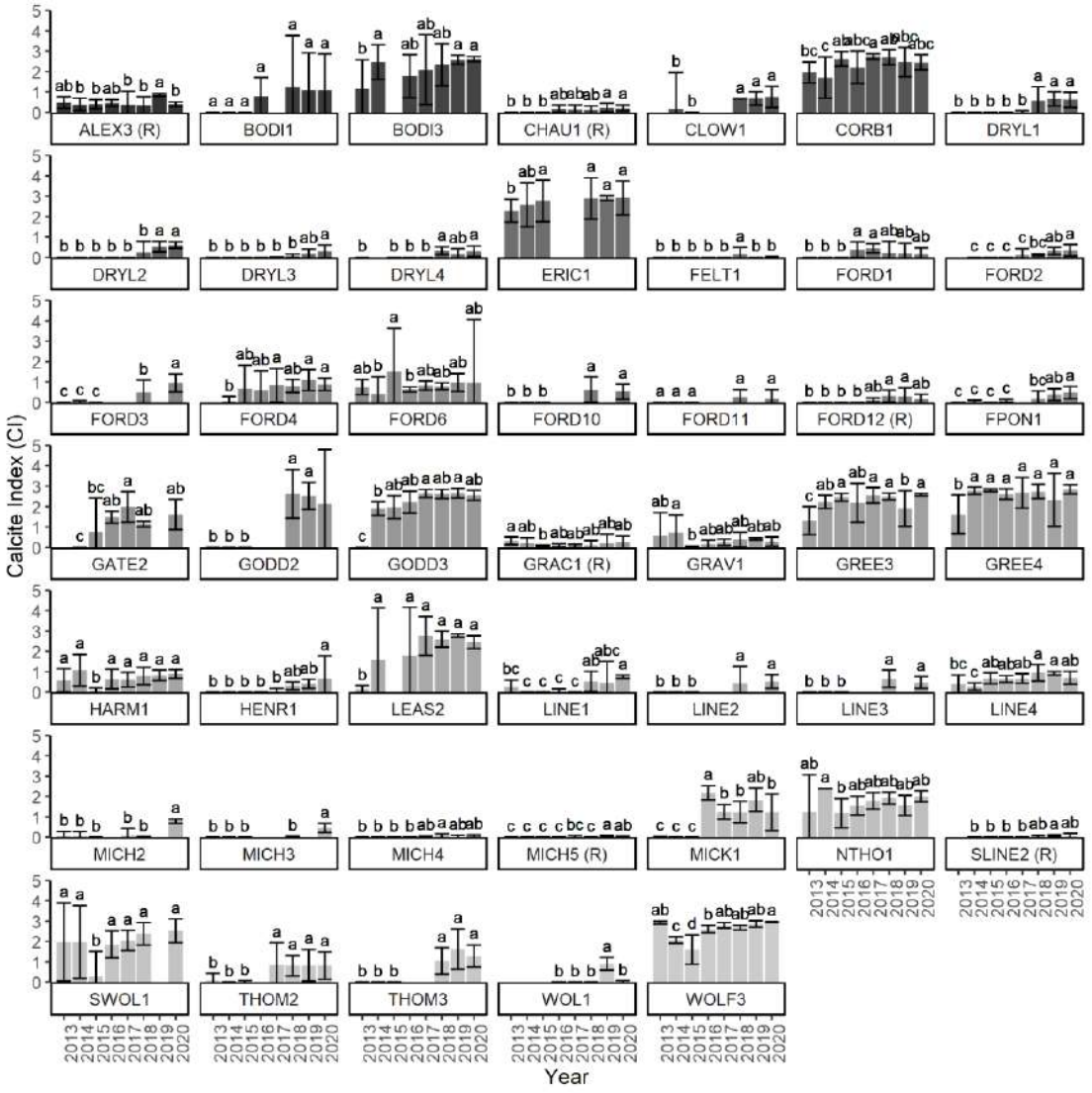

Figure 14. Bar graphs showing results of significant one-way ANOVA tests on calcite index from 2013-2020. Same letters on bars denote no significant differences in mean calcite index among years, within the same reach.

3.4 *Trends in reaches associated with treatment*

After treatment, all metrics for GREE1 (2017) and LINE4 (2018) showed a decline in calcite after treatment (Figure 15). There is currently limited data to explore these trends (2-3 years), but monitoring will continue in future years.

There is limited data on Fording River reach 9 after re-routing Cataract Creek (August 7, 2019) and the addition of antiscalant (February, 2020). Calcite sampling occurred in the fall of 2020, not allowing for much time to examine the effects of antiscalant. Future monitoring will continue to investigate the impacts of these changes on the downstream sites of Fording River reach 9 (FORD9a). The data are presented in Figure 15, but no trends can be described.

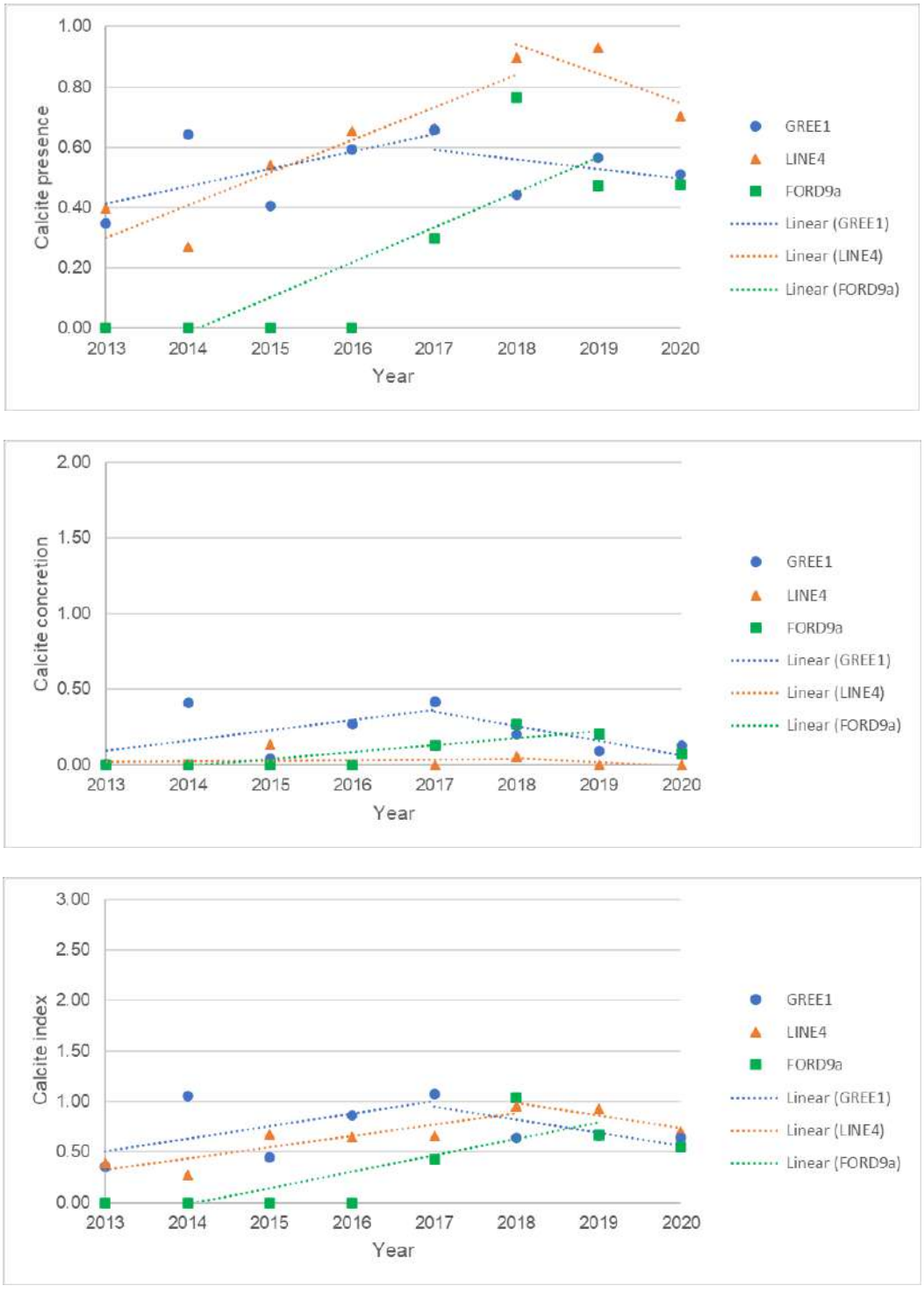

Figure 15. Treated reaches GREE1, LINE4, and FORD9a. Lines represent linear trend lines pre and post treatment. Treatment was introduced to FORD9a in 2020.

3.5 *Effect of streamflow*

Linear regression failed to detect a significant effect of streamflow on calcite index in any of the three subset of reaches (MU1: p=0.765; MU2: p=0.166; Line Creek: p=0.872).

Plotting the rate of change (delta CI or CI/year) against peak instantaneous streamflow suggests there may be a weak, negative relationship that exists (Figure 16). However, this was not significant for any subset of reaches (MU1: p=0.438; MU2: p=0.840; Line Creek: p=0.395). One point to consider is that a linear relationship is not expected over this low range of flows observed from 2014-2020, but rather a threshold beyond which streambeds are mobilized and calcite index is reduced. The 2020 data support this hypothesis, but larger flows are required to continue testing. Second, flows are just one factor suspected as influencing calcite deposition rates, along with: groundwater, land-use changes, water management, and biological factors such as periphyton. The potential for multiple factors influencing calcite precipitation further suggests that larger variability in flows would be required to document changes primarily related to flow.

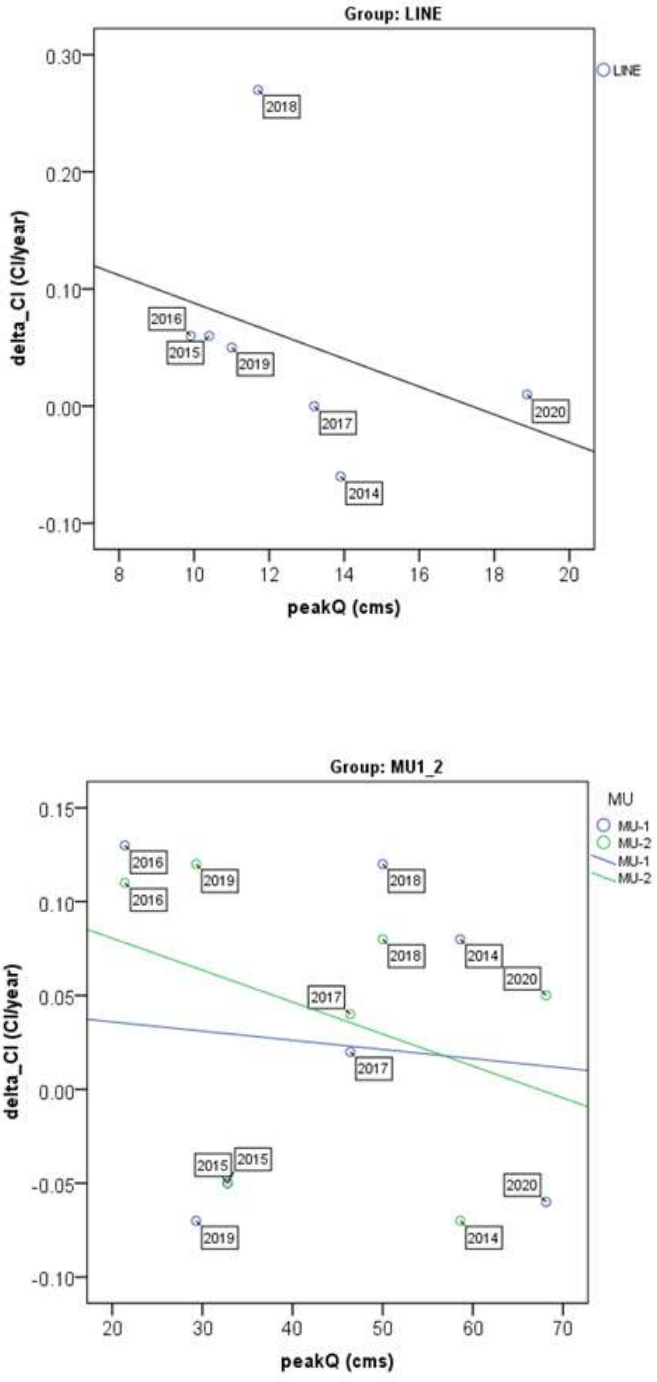

Figure 16. Regression plots of the change in calcite index per year (delta CI/year) for three subsets of reaches with long-term stream gauges.

3.6 *Effect of habitat unit type*

Forty-three reaches included calcite data from at least one pool, riffle, and glide, and were therefore included in this pooled analysis. Together these reaches contributed 119 glides, 100 pools, 125 riffles, and 58 cascades. Unlike previous analyses in 2013 or 2019, habitat unit was found to have a significant effect on calcite index (p=0.031; df=401). Tukey *post hoc* analysis indicated that the calcite index in cascades was significantly greater than glides (Figure 17); there were no significant differences in calcite index among pools, glides, or riffles.

In addition to calcite index, similar analyses were completed on calcite presence and calcite concretion. The effect of habitat unit on calcite presence was not significant (p=0.083), but did have a significant effect on calcite concretion (p=0.030). Here again, cascades showed greater calcite effect than glides, but all other habitat units were similar to each other. Habitat unit data for 2013-2015 and 2019-2020 is presented in Appendix 16. Habitat unit sampling was not completed in 2016-2018.

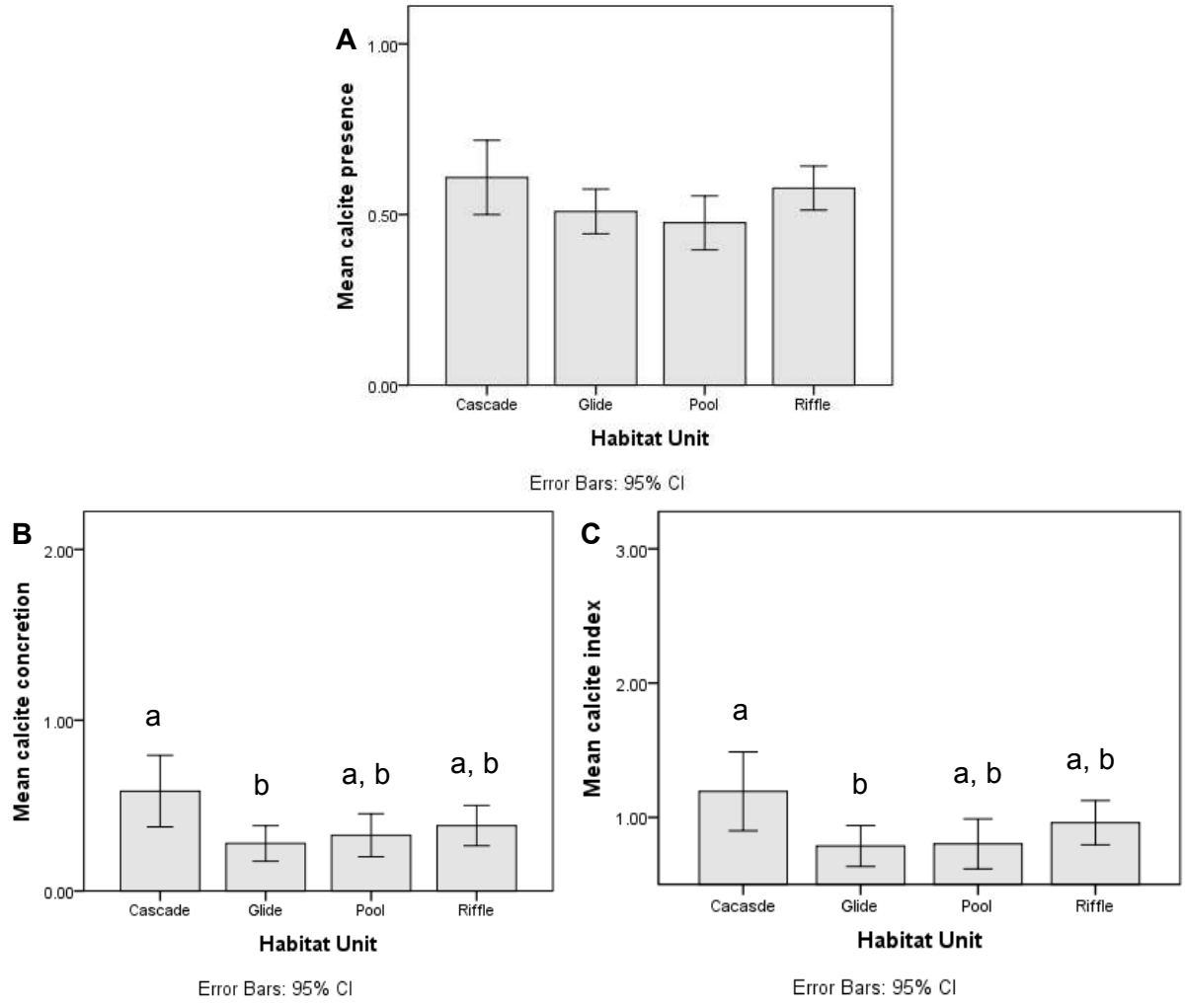

Figure 17. The mean A) calcite index B) calcite presence and C) calcite concretion values for different habitat units. Groups with different letters represent significant differences in means (α = 0.05).

3.7 *Inter-program comparisons*

Inter-program comparison results show variable differences in mean calcite index values between Regional, RAEMP/LAEMPs, and Spawning suitability programs. There were 40 RAEMP/LAEMPs sites and 30 Spawning suitability sites that were compared to Regional reaches. There were 17 RAEMP/LAEMPs and Spawning suitability sites that were within 100 m of one another, and these sites were compared under the inter-program analysis.

The r^2 value is the percent of variance explained by the model. In these data, where one program is compared to another, the r^2 value represents how related these two programs are. A higher r^2 represents a higher agreement between programs.

In every program comparison, calcite presence has the lowest r^2 value of any metric, suggesting the metric with the highest inter-crew variability (Table 10). The Regional program had values most related to the Spawning suitability program (Figure 18, Figure 19, Figure 20). The r^2 of the calcite index of these two programs was 0.95, and the slope of the linear regression line was near 1, meaning they had an approximate one-to-one relationship. The Regional program was least related to RAEMP/LAEMPs, with r^2 values of 0.52 to 0.71 (Figure 21, Figure 22, Figure 23). The slope of the line for calcite index of these two programs was 0.78, showing that on average, sites in the RAEMP/LAEMPs estimated 20% higher calcite index values compared with Regional reach values. The Spawning suitability and RAEMP/LAEMPs had the lowest r^2 value for calcite presence of any comparison, but an r^2 of 0.89 for calcite index (Figure 21, Figure 22, Figure 23).

The r^2 values between programs improved from 2019 to 2020. Training is believed to have an effect on reducing this variability. Regional and RAEMP/LAEMPs doubled their agreement in results, based on their r^2. Regional and Spawning suitability also increased their relatedness.

Regional reaches were compared to RAEMP/LAEMP sites. BODI1, FORD9, FORD10, FORD11, FPON1, and GREE1 had calcite presence scores much higher (more than 20%) in the RAEMP/LAEMPs compared with the Regional reach scores (Figure 27). BODI1 had the largest deviation in calcite concretion (Figure 28) and the overall calcite index scores are presented in Figure 29. A common observation within this list are the reaches that exist as long glides with a heavy fines component in the substrate, separated by limited cobble riffles. In these reaches (BODI1, FPON1, and GREE1), it is not surprising that a program sampling just the riffles produced different results than a program sampling all of the habitat units present. The riffles are very stable in these low gradient reaches and readily accumulate calcite deposition, whereas the glides have an easily mobilized substrate that is less conducive to calcite deposition and specifically concretion. More investigation is required in the FORD9-11 reaches, including crew member training in 2021.

The Spawning suitability sites and Regional reaches had more similar values across all metrics (Figure 30, Figure 31, Figure 32), but HARM3 had the largest difference in calcite presence and GREE1 the largest difference in calcite concretion between the two programs (the values were higher in the Spawning suitability program for both). CORB1 and COUT1 were highest in the RAEMP/LAEMPs compared to spawning suitability or regional, whereas, GREE1 was highest in the Spawning suitability program and THOM2 was highest in the Regional program for calcite index (Figure 33, Figure 34, Figure 35). HENR2 was not sampled in 2020 in the Regional program due to the stream segment approach, but HENR1, which would represent this reach had a calcite index of 0.70, which is comparable to the RAEMP/LAEMPs calcite index of 0.52, but not to the Spawning suitability program which had a calcite index of 0.00.

Table 10. Program comparison linear regression lines and r^2 values.

Comparison	Metric	Linear regression line	2020 r^2	2019 r^2
Regional-RAEMP/LAEMPs	Calcite presence	y = 0.81x + 0.02	0.75	0.23
Regional-RAEMP/LAEMPs	Calcite concretion	y = 0.80x + 0.04	0.71	0.48
Regional-RAEMP/LAEMPs	Calcite index	y = 0.85x + 0.02	0.77	0.30
Regional-Spawning suitability	Calcite presence	y = 0.92x + 0.05	0.70	0.53
Regional-Spawning suitability	Calcite concretion	y = 1.04x - 0.01	0.97	0.93
Regional-Spawning suitability	Calcite index	y = 1.06x - 0.08	0.95	0.88
RAEMP/LAEMP-Spawning suitability	Calcite presence	y = 0.91x + 0.07	0.65	-
RAEMP/LAEMP-Spawning suitability	Calcite concretion	y = 1.14x + 0.00	0.93	-
RAEMP/LAEMP-Spawning suitability	Calcite index	y = 1.10x + 0.03	0.89	-

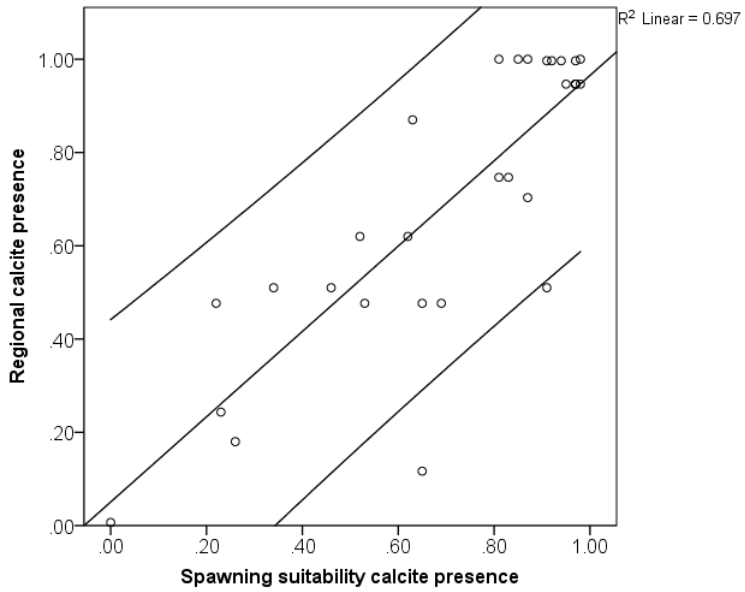

Figure 18. Comparison of Regional reach and Spawning suitability sites for calcite presence. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

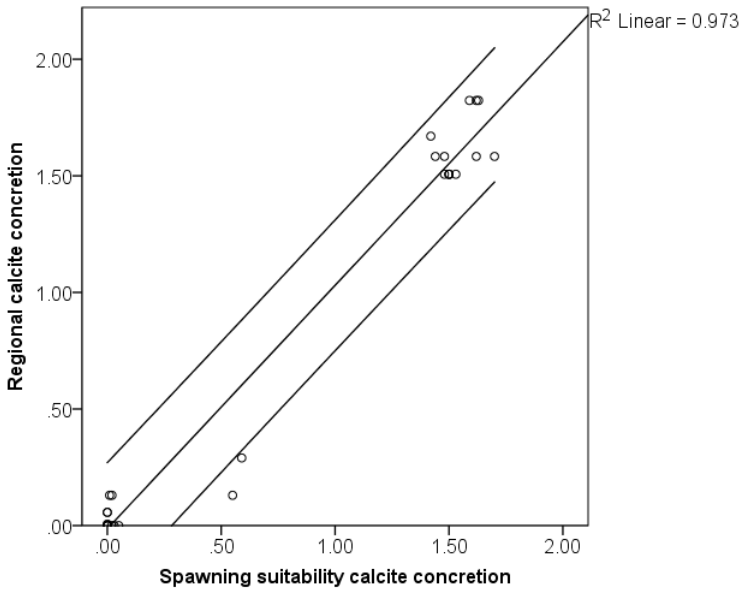

Figure 19. Comparison of Regional reach and Spawning suitability sites for calcite concretion. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

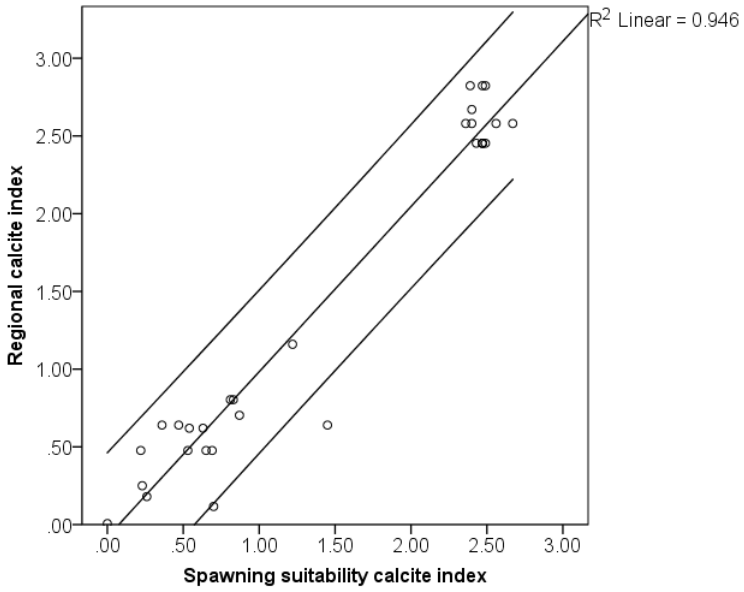

Figure 20. Comparison of Regional reach and Spawning suitability sites for calcite index. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

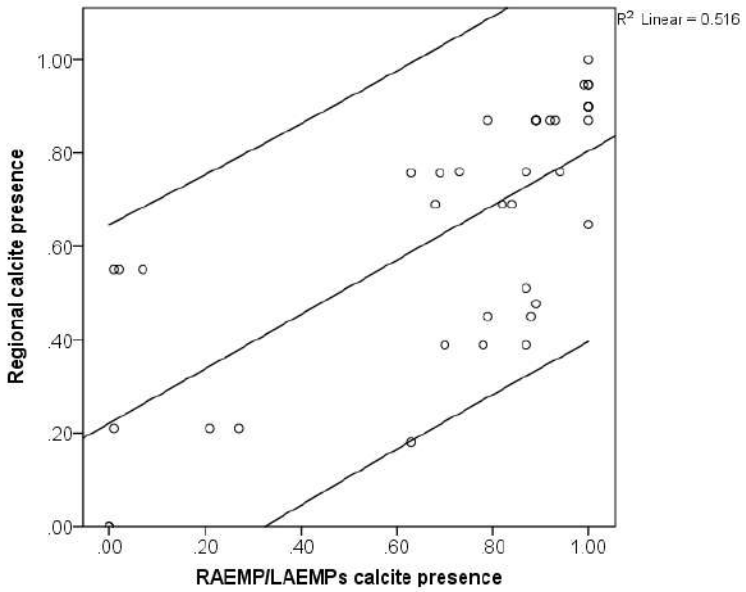

Figure 21. Comparison of Regional reach and RAEMP/LAEMP sites for calcite presence. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

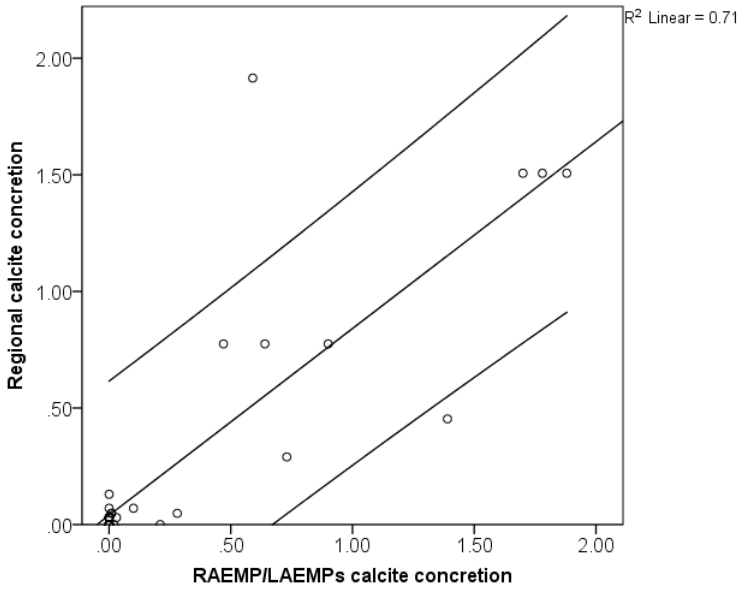

Figure 22. Comparison of Regional reach and RAEMP/LAEMP sites for calcite concretion. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

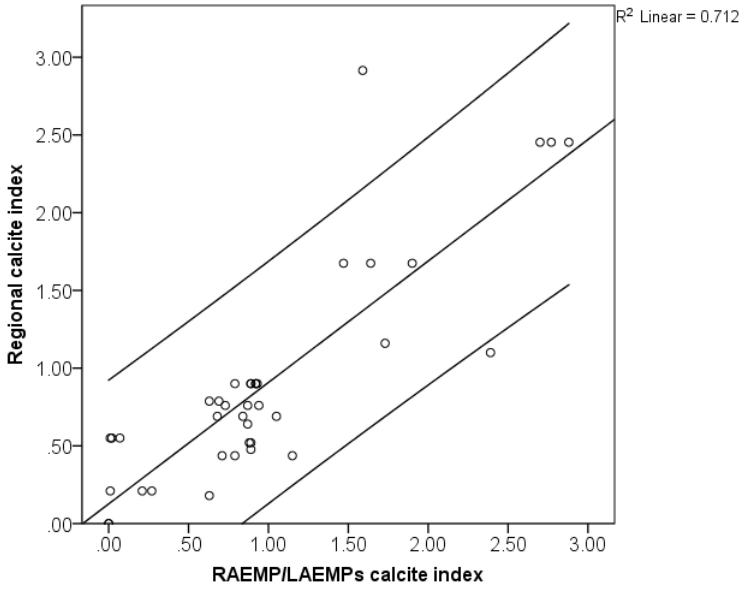

Figure 23. Comparison of Regional reach and RAEMP/LAEMP sites for calcite index. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

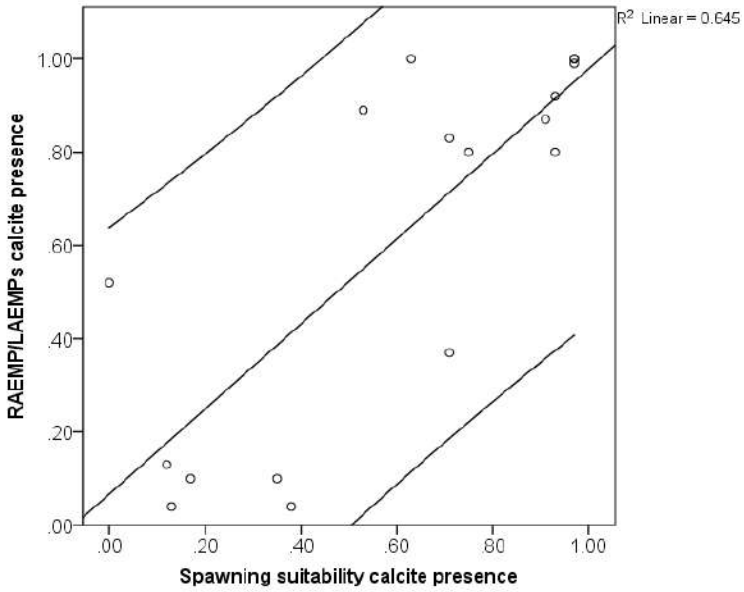

Figure 24. Comparison of RAEMP/LAEMP and Spawning suitability sites for calcite presence. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

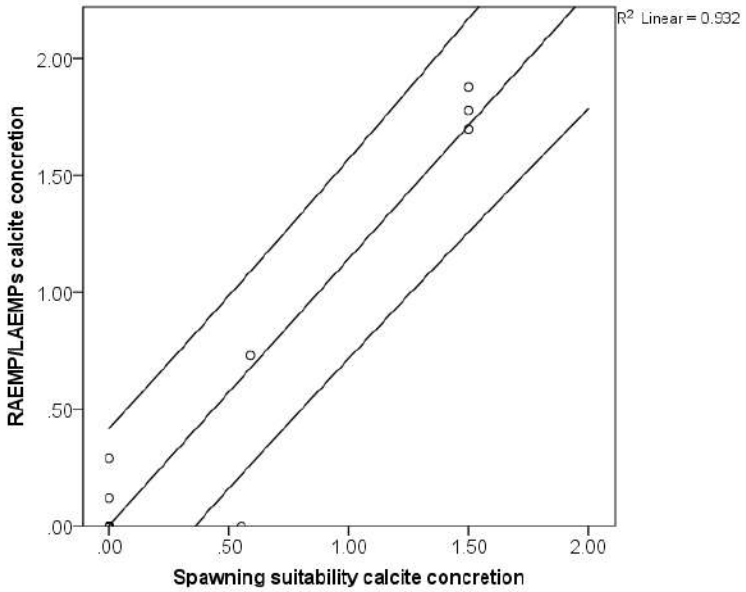

Figure 25. Comparison of RAEMP/LAEMP and Spawning suitability sites for calcite concretion. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

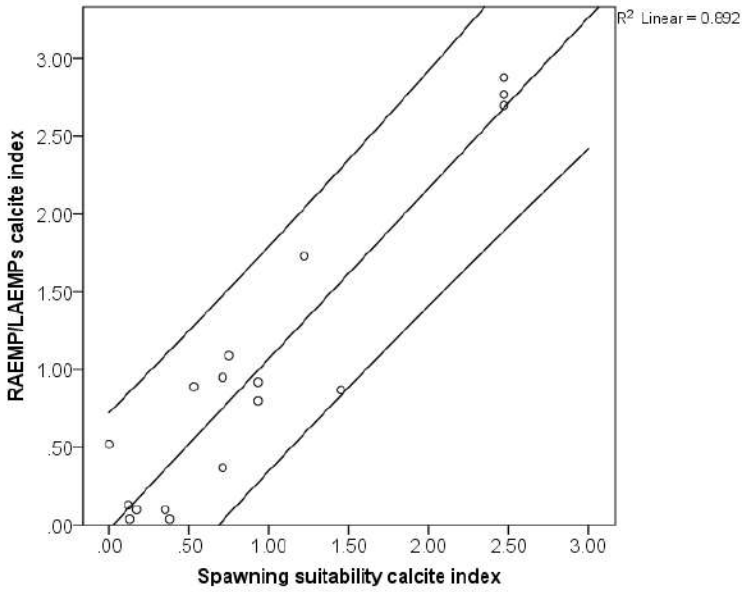

Figure 26. Comparison of RAEMP/LAEMP and Spawning suitability sites for calcite index. The middle line represents a linear regression line and the outside lines represent 95% confidence intervals.

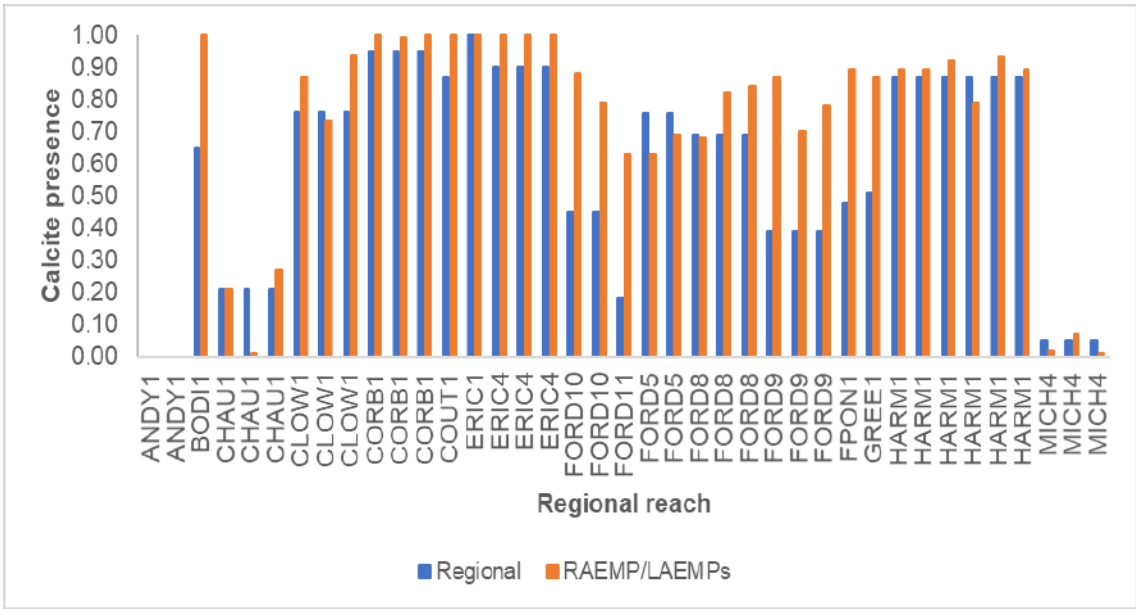

Figure 27. Inter-program comparison of calcite presence of Regional reaches to RAEMP/LAEMP sites.

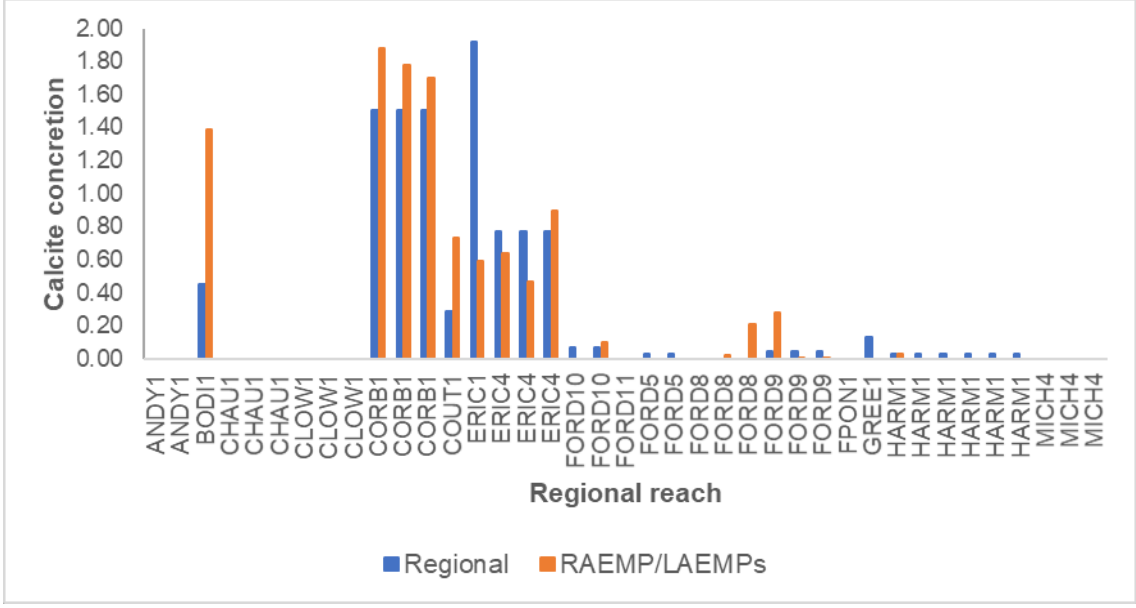

Figure 28. Inter-program comparison of calcite concretion of Regional reaches to RAEMP/LAEMP sites.

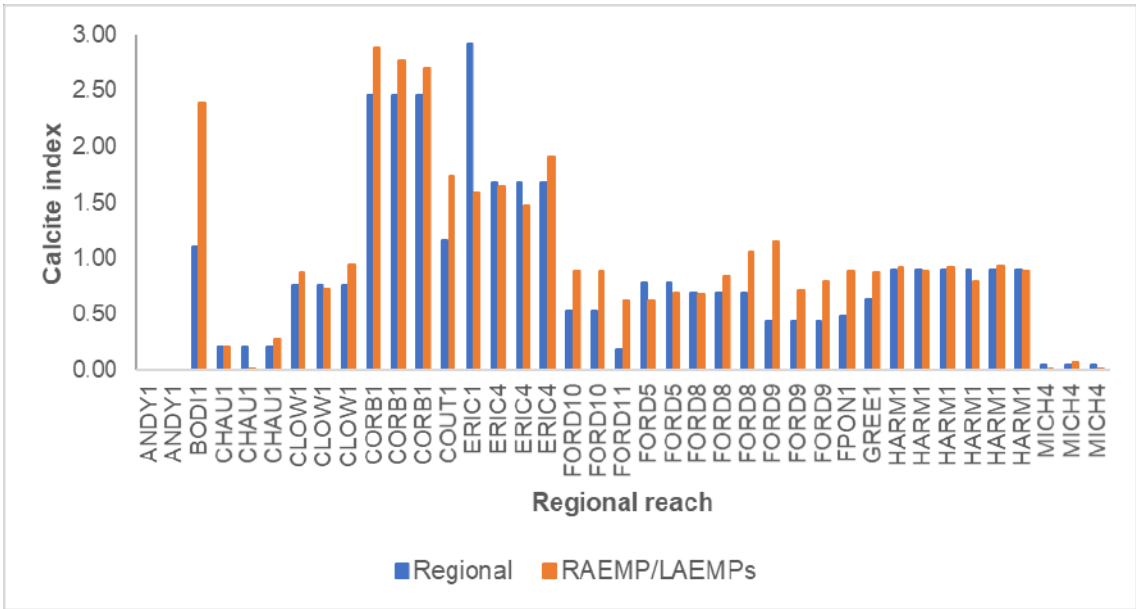

Figure 29. Inter-program comparison of calcite index of Regional reaches to RAEMP/LAEMP sites.

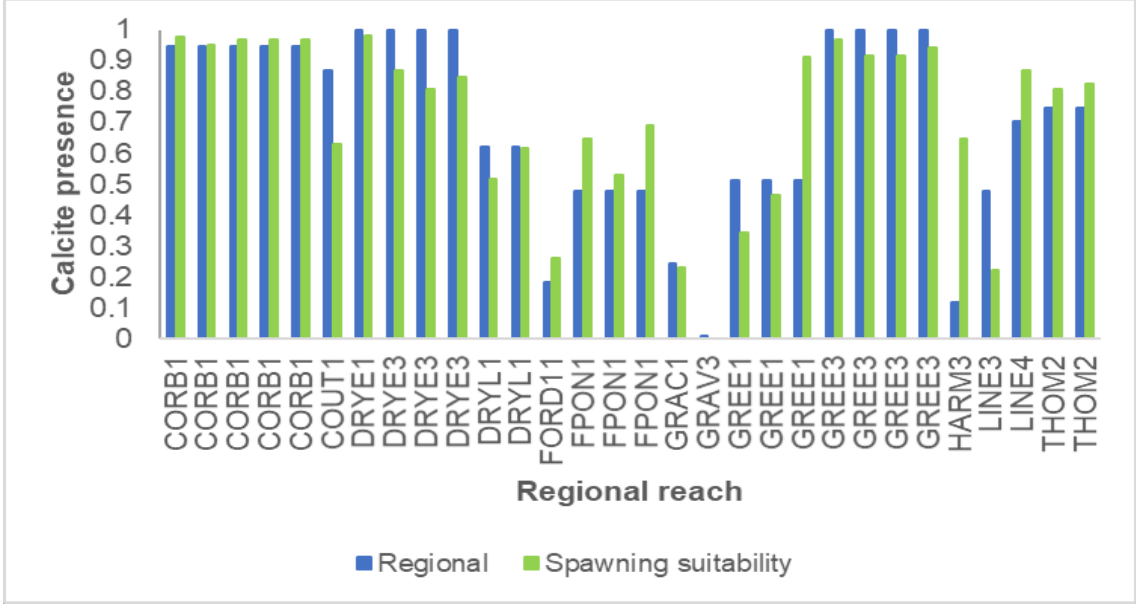

Figure 30. Inter-program comparison of calcite presence of Regional reaches to Spawning suitability sites.

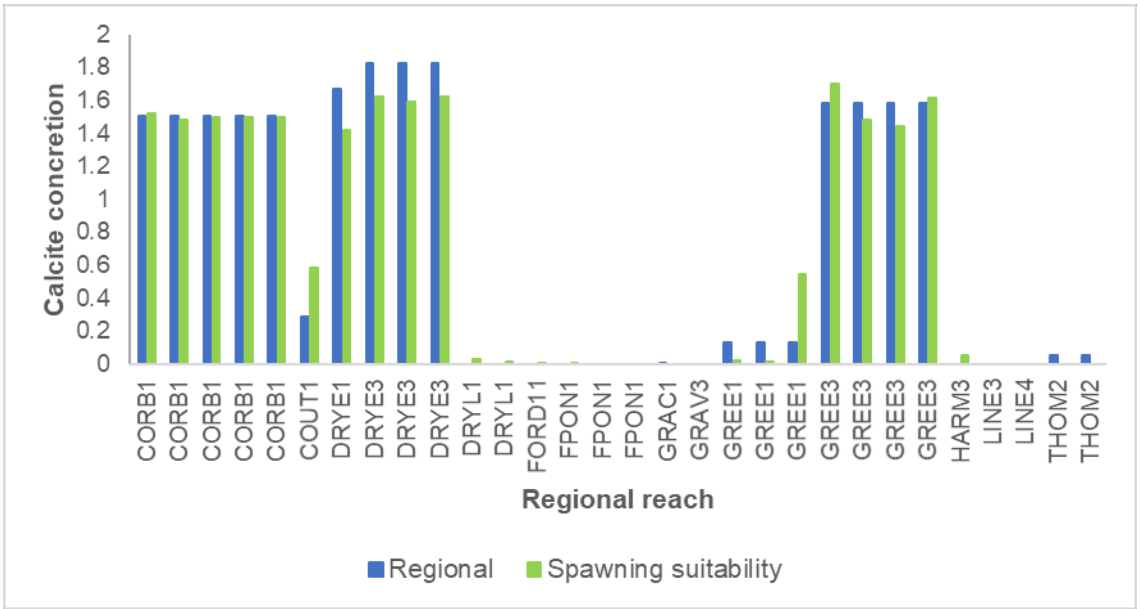

Figure 31. Inter-program comparison of calcite concretion of Regional reaches to Spawning suitability sites.

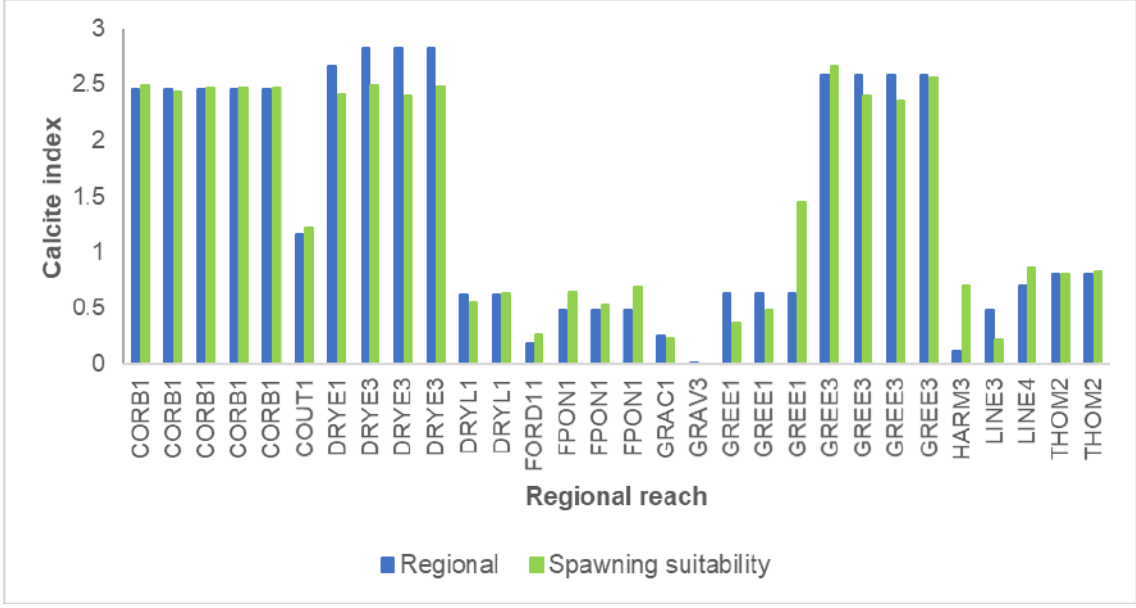

Figure 32. Inter-program comparison of calcite index of Regional reaches to Spawning suitability sites.

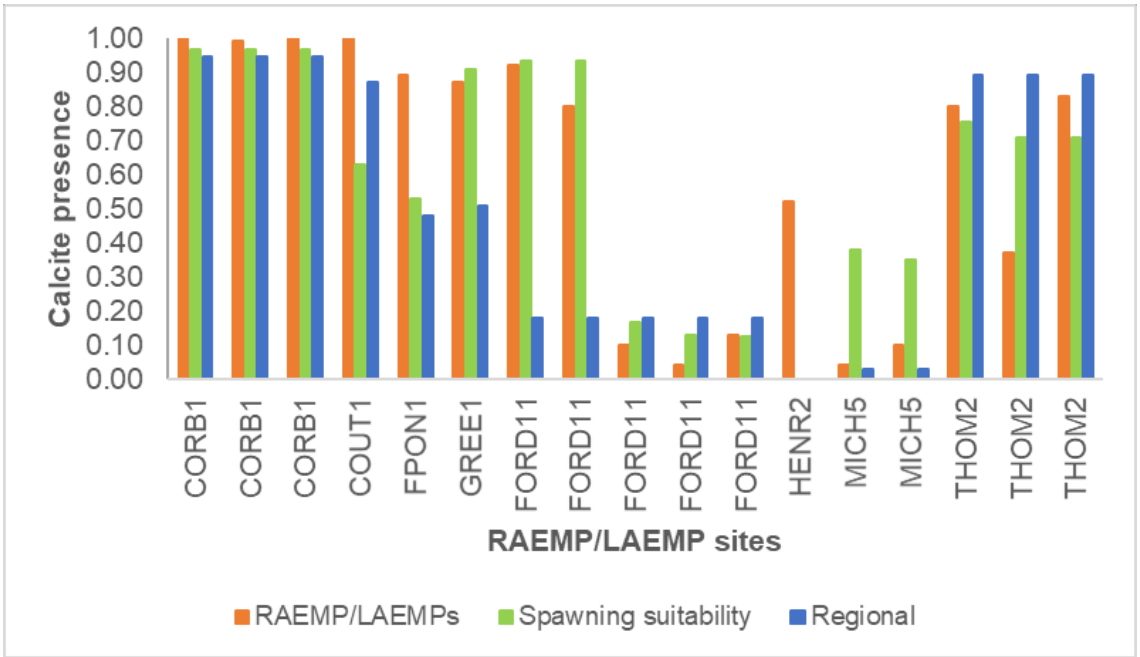

Figure 33. Inter-program comparison of calcite presence of RAEMP/LAEMP sites, Spawning suitability sites, and Regional reaches.

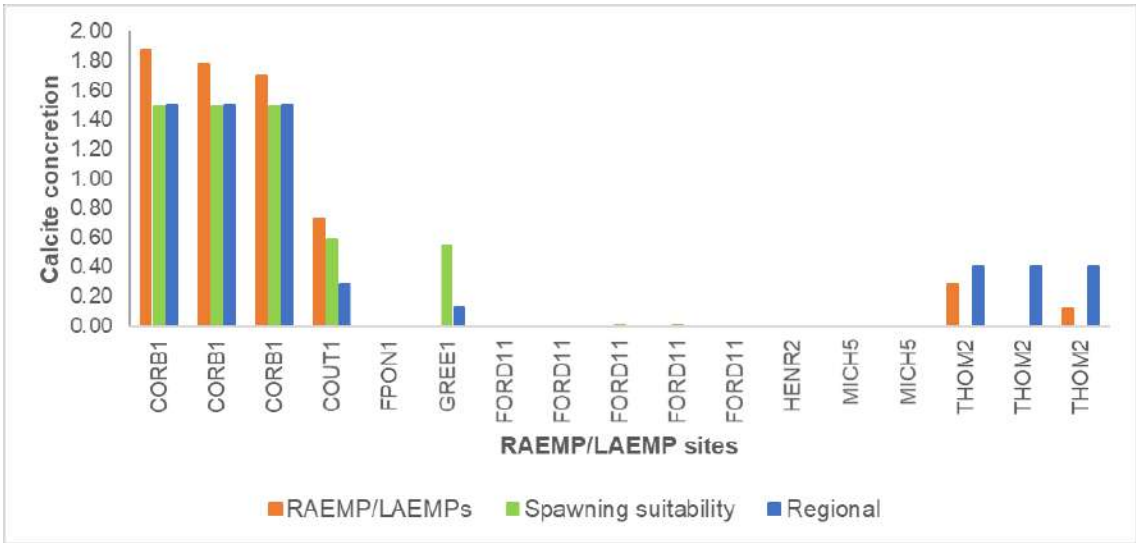

Figure 34. Inter-program comparison of calcite concretion of RAEMP/LAEMP sites to Spawning suitability sites, and Regional reaches.

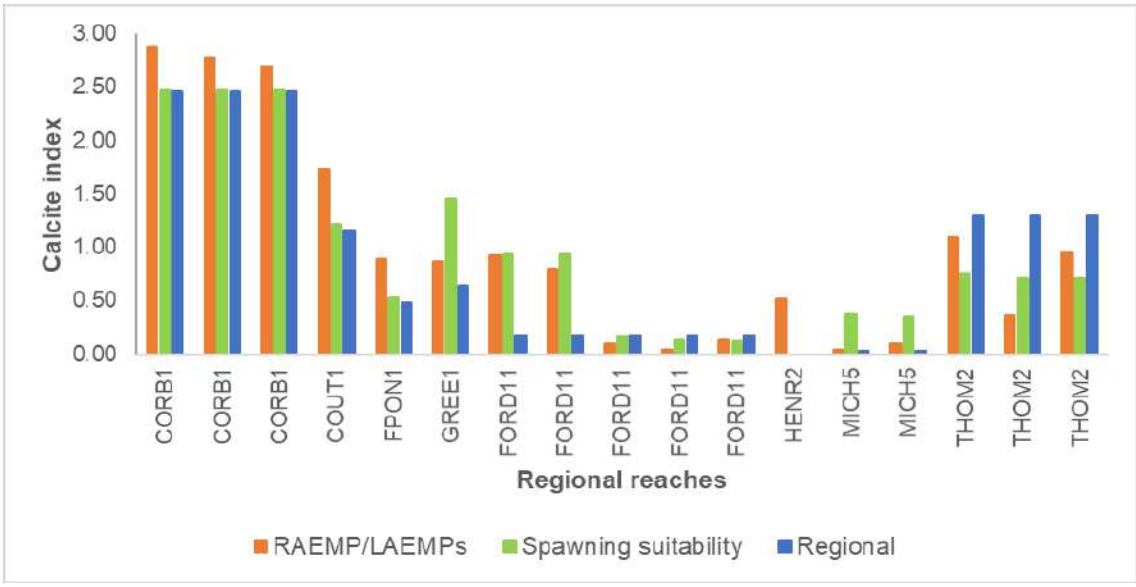

Figure 35. Inter-program comparison of calcite index of RAEMP/LAEMP sites to Spawning suitability sites and Regional reaches.

3.8 *Assessment of the Calcite Index*

Cp was significantly higher than Cp' at the reach level ($t(98) = 4.0$, $p < 0.001$, Figure 36). Individual reach comparisons of Cp and Cp' are shown in Figure 37. There was high variability within reaches, with the error bars of Cp and Cp' overlapping. There was more agreement between Cp and Cp' at high and low values of presence, with the most divergence at intermediate values. Cp and Cp' for all reaches, sites and habitat units are presented in Appendix 17.

The relationship between presence and concretion was assessed using Cp and Cp'. Polynomial trendlines were fit to each set of data (Figure 38). The r^2 value was greatly improved using Cp' ($r^2 = 0.91$) compared to Cp ($r^2 = 0.69$).

The calcite presence of sites that were sampled by two different crews under the Regional program were compared using scatterplots. There was a slightly larger r^2 for Cp' (0.994) compared with Cp (0.98); however, calcite presence values between these crews were already highly related (Figure 39). Regional and Spawning suitability programs calcite presence scores were compared using Cp and Cp'. Using Cp', the r^2 increases to 0.919 compared to 0.697 for Cp (Figure 40).

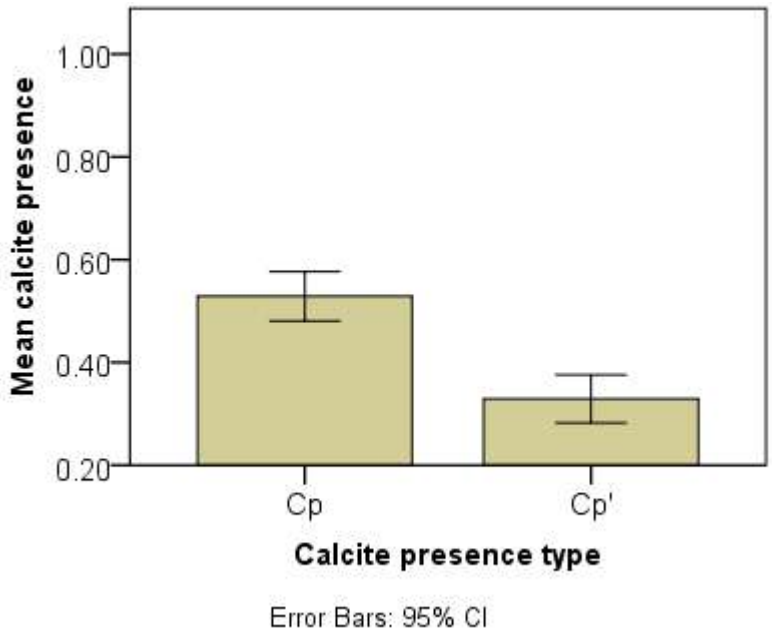

Figure 36. Comparison of mean reach Cp with Cp'.

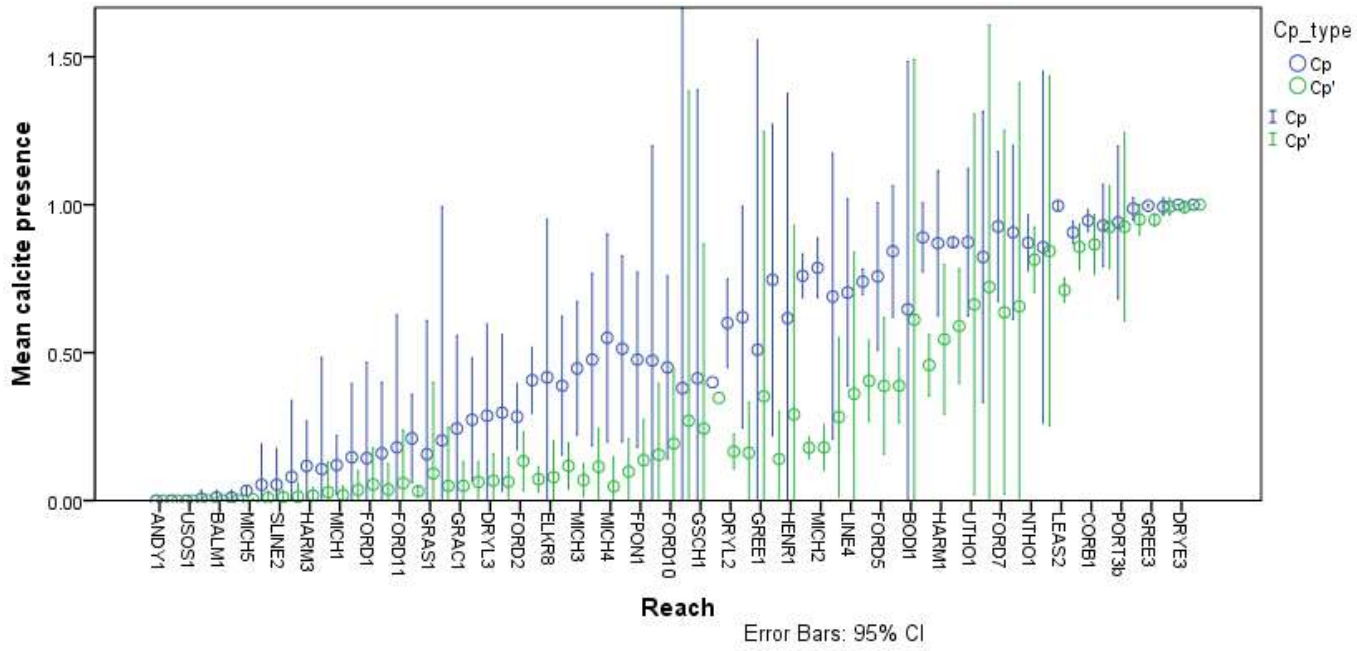

Figure 37. Comparison at the reach level of Cp and Cp'.

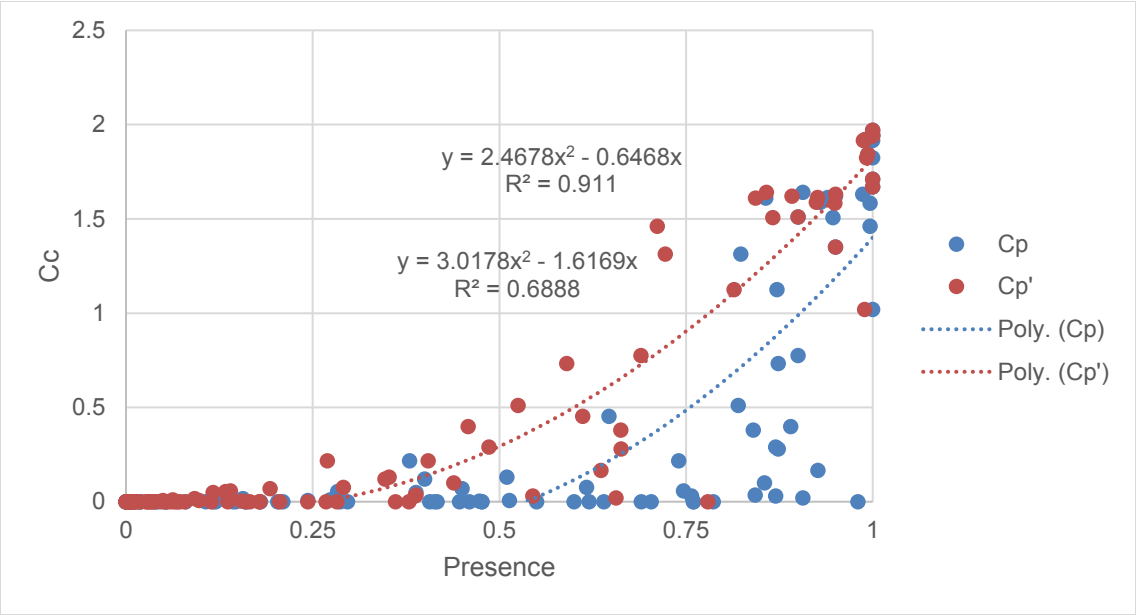

Figure 38. Cc versus Cp and Cp'.

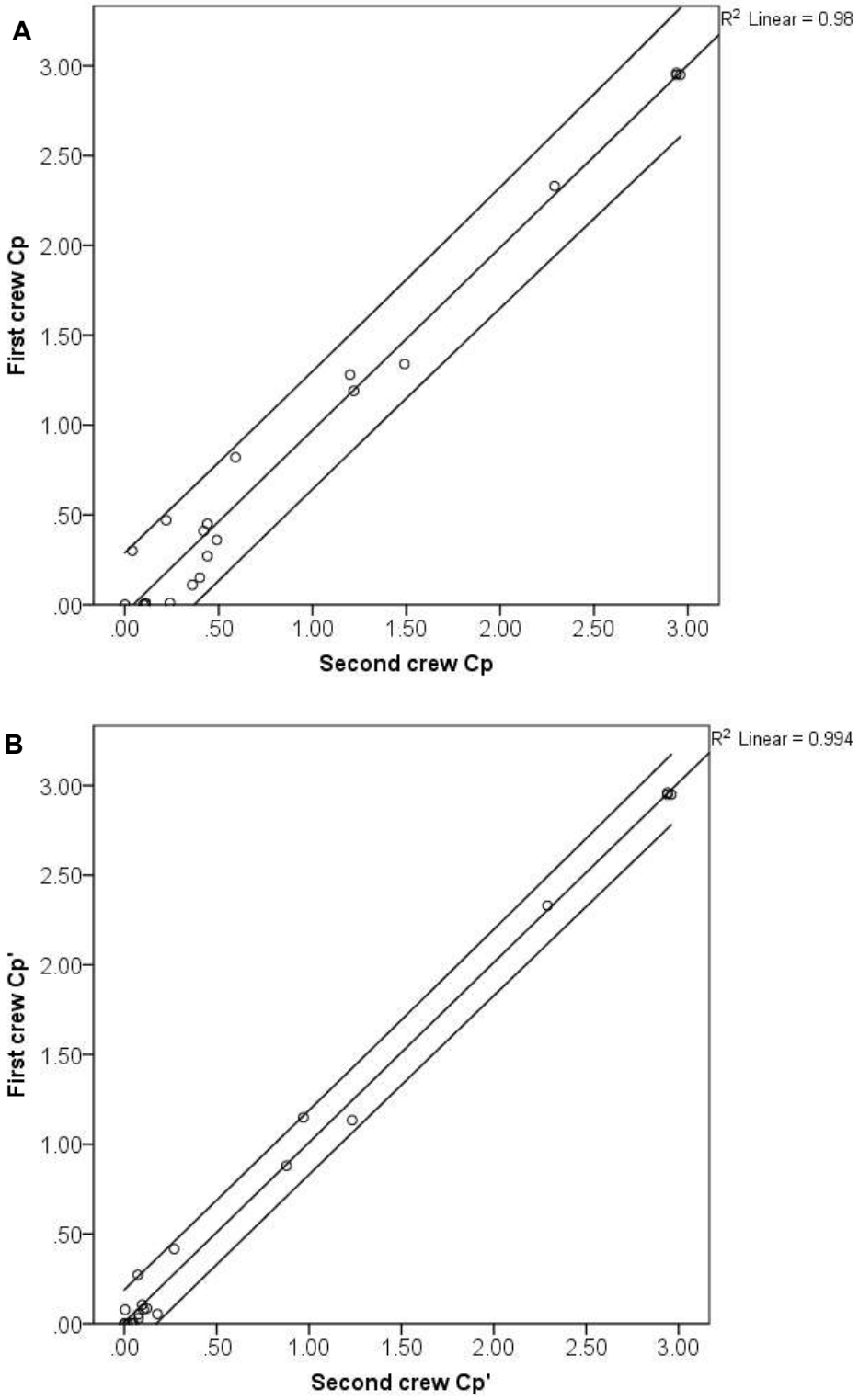

Figure 39. Comparison of Lotic crews that resampled the same sites using A) Cp and B) Cp'.

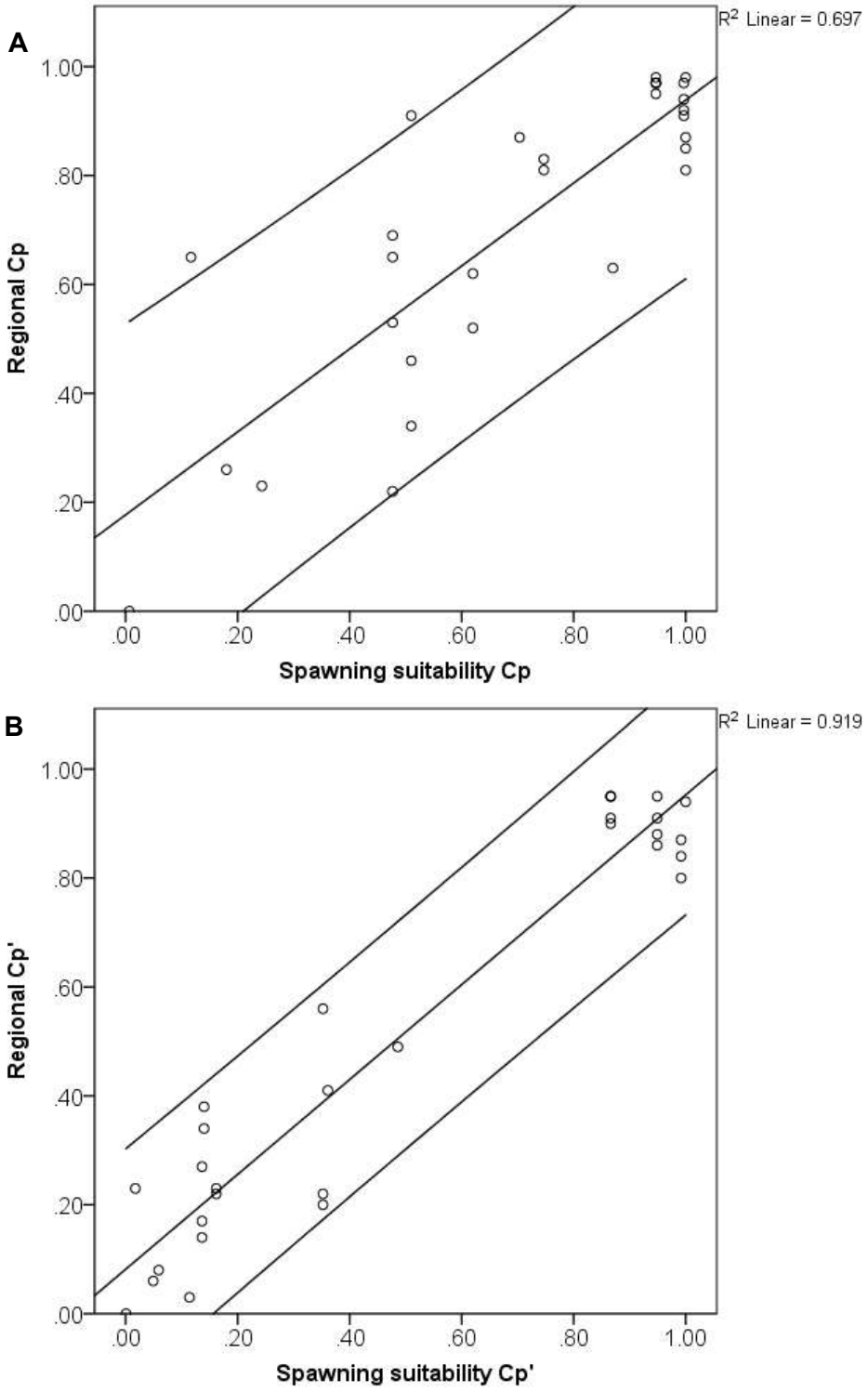

Figure 40. Regional and Spawning suitability comparison of A) Cp and B) Cp'.

4 Discussion

The 2020 Regional Calcite Monitoring Program is the eighth year of this program, which was started in 2013. Sites were again distributed throughout the Elk Valley following a combined approach of reach-by-reach and indicator reach sampling design. This combined approach focuses efforts on reaches of interest, such as reaches receiving or planned for treatment, and allows other reaches to be sampled at one indicator reach, for groups of reaches where calcite has historically behaved the same. Sampling in this manner results in detailed information on reaches where fine-scale changes are of interest, but also reduces overall field effort. A concern with this approach is that it has the potential to leaves data gaps. Using the indicator reach approach assumes reach level resolution is not required. In returning to a reach-by-reach approach, Teck maintains a more comprehensive dataset on calcite, which could prove advantageous for other programs as well.

Sampling effort between reference and exposed reaches remained similar with previous years, though there were slightly fewer stream kilometres of exposed tributary sites and marginally more reference tributaries compared with the mean of previous years. Small differences in overall kilometers sampled between years are expected due to changing conditions in the field. For instance, every year some reaches are dry during the program, and field crews are unable to sample. Additionally, water management at mine operations can change which water courses are available for sampling.

Calcite is increasing in the Elk Valley in both exposed and reference reaches, however, exposed reaches are increasing at a rate of approximately five times quicker than reference reaches. Thirty-eight of ninety-nine reaches indicated significant increases over time and this is supported by the frequency distribution curves. Calcite presence and index have also increased more in tributaries than mainstem locations.

Calcite presence has increased across years to a greater extent than calcite concretion. The change of calcite presence in exposed tributaries has been of particularly note with much greater percentage of sites showing high levels of presence in 2019 and 2020 than 2013 and 2014. Calcite concretion shows much less change and has been relatively constant over the eight years of monitoring. This suggests that calcite presence is largely driving the observed changes in calcite index. Currently, calcite presence is a metric that will better display year-to-year changes.

Twenty-six reaches in 2020 were above the 0.5 calcite concretion 2024 SPO; this is similar with last year's results. Preliminary results on treated reaches shows calcite levels stabilizing in GREE1 and LINE4, however, there are limited years of data. Antiscalant was added to FORD9a in the winter of 2020, so further monitoring will allow for trends in years post-treatment to be examined when more than one year of data is available. These reaches will continue to be monitored and new reaches will be examined as more calcite initiatives come online.

The presence of calcite was not found to differ between different habitat types. However, calcite index and calcite concretion both differed between habitat types showing the same patterns. Cascades had the largest calcite index and concretion, and these were greater than in glides. The riffles and pools had similar calcite index and concretion as both cascades and glides. This is the first year to find an effect of habitat unit, and it should be considered marginal and preliminary as there is overlap of pools and riffle with glides at one extent and with cascades at the other.

Regional and Spawning suitability programs showed greater agreement in calcite presence, concretion, and index than these same programs compared to RAEMP/LAEMPs. The similarity is expected as the Spawning suitability program has similar sampling methods to the Regional program. Both the Regional and Spawning suitability programs sampled multiple habitat units. The difference of these programs to the RAEMP/LAEMPs is not supported by differences in sample method as per the habitat unit assessment conducted here. In general, the RAEMP/LAEMP calcite assessments provided higher results than Regional reaches; that is, it tends to produce higher estimates of calcite in streams relative to the two other programs. Reduced variability between programs in 2020 compared with 2019 indicated that the training workshop may have helped reduce differences in interpretation. Assessment of this will be ongoing.

In 2020, Cp' was introduced to evaluate if a revised calcite measurement could reduce variability among crews and programs and more accurately describe the degree of calcite within the stream. Cp, as a coarser measure, produces significantly greater presence scores than Cp'. Most often, calcite covers less than 100% of the sampled rock, which is the value implied by a Cp of 1.0. Cp' estimates the percent coverage of a rock surface by calcite and we would expect this value to be lower. Cp and Cp' are in closest agreement at low and high values of presence and diverge at intermediate values. Both inter-program and inter-crew variability decreased with Cp' compared to Cp. The additional benefit of an improved predictability of concretion from presence was identified in a post hoc assessment. This suggests that a potential additional benefit of Cp' may be in better understanding at what level of presence we would expect concretion. This relationship may be further investigated through the development of an early warning trigger in 2021 and future continuous improvement initiatives.

5 Conclusions and Recommendations

The 2020 calcite monitoring program has, using comparable effort to previous years, demonstrated:

- Calcite showed greatest increase in exposed sites relative to reference and in tributaries compared with mainstem locations.
- Twenty-six percent of reaches had calcite concretion scores >0.5, (above the 2024 SPO).
- Several reaches (38%) showed significant and linear increases in calcite over time between 2013 and 2020.
- Calcite presence and index values have shown increases in exposed tributary reaches and to a lesser extent exposed mainstem reaches.
- There is only weak evidence of differential calcite precipitation behaviour among habitat unit types. The indicator suspected to show a difference (calcite presence) did not differ between habitat unit types; a result in agreement with this same assessment in two prior years.
- The Regional and Spawning suitability programs produced comparable estimates of calcite abundance but the RAEMP/LAEMPs measure higher values of calcite. This may be in part a function of single habitat unit sampling as opposed to aggregating habitat units in some reaches, however it is unlikely to explain all differences. The 2021 study design will include a dedicated assessment of this topic and may include sampling coordination between Regional and RAEMP/LAEMPs.

- Cp' produced a more precise estimate of calcite concretion than Cp and will be evaluated for potential as an early warning trigger.

From these conclusions, the following recommendations are proposed for subsequent Regional Calcite Monitoring Programs:

1. Return to a reach-by-reach sampling approach to maintain a more comprehensive calcite dataset.
2. Continue one full-day training sessions for all crew members of every program to reduce variability between samplers.
3. Further explore using Cp' as the new measurement for calcite presence for future years across all programs.
4. Calcite monitoring procedures will be updated in response to findings from the third-party audit as per the recommendations of Table 2 in the audit, specifically #13 (updated QA/QC manual), #16 (updated field procedure manual), and #18 (updated study design) (Matrix 2020).
5. A current list of all proposed sites for 2021 is in Appendix 18. This list will be reviewed with Teck's Operations and calcite management team to confirm adequate spatial resolution and is subject to change.

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7 Appendices

Appendix 1. Stream segment summary.

Water feature	Segment Name	Reaches Included	Indicator Reach
Alexander	ALEX_A	ALEX3	ALEX3
Andy Good	ANDY_A	ANDY1	ANDY1
Aqueduct	AQUE_A	AQUE1, AQUE2, AQUE3	AQUE1
Balmer	BALM_A	BALM1	BALM1
Bodie	BODI_A	BODI1	BODI1
	BODI_B	BODI3	BODI3
Cataract	CATA_A	CATA1, CATA3	CATA1
Chauncey	CHAU_A	CHAU1	CHAU1
Clode West Infiltration	CLOW_A	CLOW1	CLOW1
Corbin	CORB_A	CORB1, CORB2	CORB1
Clode Pond Outlet	COUT_A	COUT1	COUT1
CCR Seep	CSEE_A	CSEE1	CSEE1
Dry (EVO)	DRYE_A	DRYE1, DRYE3, DRYE4	DRYE3
Dry (LCO)	DRYL_A	DRYL1	DRYL1
	DRYL_B	DRYL2	DRYL2
	DRYL_C	DRYL3	DRYL3
	DRYL_D	DRYL4	DRYL4
Elk	ELKR_A	ELKR8	ELKR8
	ELKR_B	ELKR9, ELKR10	ELKR9
	ELKR_C	ELKR11, ELKR12	ELKR12
	ELKR_D	ELKR15	ELKR15
Eagle Pond Outlet	EPOU_A	EPOU1	EPOU1
East Dry Creek	ETRI_A	ETRI1	ETRI1
Erickson	ERIC_A	ERIC1, ERIC2, ERIC3, ERIC4	ERIC1
Feltham	FELT_A	FELT1	FELT1
Fennelon	FENN_A	FENN1	FENN1
Fording	FORD_G	FORD12	FORD12
	FORD_A	FORD1	FORD1
	FORD_B	FORD2, FORD 3	FORD2
	FORD_C	FORD4, FORD 5	FORD4
	FORD_D	FORD6	FORD6
	FORD_E	FORD7, FORD 8	FORD7
	FORD_F	FORD9, FORD 10, FORD11	FORD9
Fish Pond	FPON_A	FPON1	FPON1
Gardine	GARD_A	GARD1	GARD1
Gate	GATE_A	GATE2	GATE2
Goddard	GODD_A	GODD1	GODD1
	GODD_B	GODD3	GODD3
Grace	GRAC_A	GRAC1, GRAC2, GRAC3	GRAC1
Grassy	GRAS_A	GRAS1	GRAS1
Grave	GRAV_A	GRAV1, GRAV2	GRAV1
	GRAV_B	GRAV3	GRAV3
Greenhills	GREE_A	GREE1	GREE1
	GREE_B	GREE3	GREE3
	GREE_C	GREE4	GREE4
Harmer	HARM_A	HARM1	HARM1
	HARM_B	HARM3, HARM4, HARM5	HARM3
Henretta	HENR_A	HENR1, HENR3	HENR1

Water feature	Segment Name	Reaches Included	Indicator Reach
Kilmarnock	KILM_A	KILM1	KILM1
Leask	LEAS_A	LEAS2	LEAS2
Lindsay	LIND_A	LIND1	LIND1
Line	LINE_A	LINE1, LINE2, LINE3	LINE1
	LINE_B	LINE4	LINE4
	LINE_C	LINE7	LINE7
Lake Mountain	LMOU_A	LMOU1, LMOU3, LMOU4	LMOU1
Michel	MICH_A	MICH1, MICH2	MICH1
	MICH_B	MICH3, MICH4	MICH4
	MICH_C	MICH5	MICH5
Mickelson	MICK_A	MICK1, MICK2	MICK1
Milligan	MILL_A	MILL1, MILL2	MILL2
North Thompson	NTHO_A	NTHO1	NTHO1
North Wolfram	NWOL_A	NWOL1	NWOL1
Otto	OTTO_A	OTTO1, OTTO3	OTTO1
Pengally	PENG_A	PENG1	PENG1
Porter	PORT_A	PORT1	PORT1
	PORT_B	PORT3	PORT3
Qualteri	QUAL_A	QUAL1	QUAL1
Sawmill	SAWM_A	SAWM1	SAWM1
	SAWM_B	SAWM2	SAWM2
Site 18	SITE_18	SITE18	SITE18
Six Mile	SIXM_A	SIXM1	SIXM1
South Line	SLIN_A	SLIN2	SLIN2
South Pit	SPIT_A	SPIT1	SPIT1
	SPIT_B	SPIT2	SPIT2
Smith Pond Outlet	SPOU_A	SPOU1	SPOU1
Spring	SPRI_A	SPRI1	SPRI1
Stream #02	STR02_A	STR02	STR02
Stream #18	STR18_A	STR18	STR18
Swift	SWIF_A	SWIF1, SWIF2	SWIF1
South Wolfram Creek	SWOL_A	SWOL1	SWOL1
Thompson	THOM_A	THOM1, THOM2, THOM3	THOM2
Thresher	THRE_A	THRE1	THRE1
Unnamed South of Sawmill	USOS_A	USOS1	USOS1
Willow Cr North	WILN_A	WILN2	WILN2
Willow Cr South	WILS_A	WILS1	WILS1
Wolf Creek	WOL1_A	WOL1	WOL1
Wolfram	WOLF_A	WOLF2	WOLF2
	WOLF_B	WOLF3	WOLF3

Appendix 2. Reach sampling changes from 2013-2020.

Stream name	Reach Code	Site type	2013 CI	2014 CI	2015 CI	2016 CI	2017 CI	2018 CI	2019 CI	2020 CI
Alexander	ALEX3	Reference	0.48	0.38	0.40	0.46	0.38	0.36	0.86	0.41
Andy Good	ANDY1	Reference	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.00
Aqueduct	AQUE1	Exposed	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Aqueduct	AQUE2	Exposed	0.00	0.00	0.00	s	s	0.00	s	s
Aqueduct	AQUE3	Exposed	0.00	0.00	0.00	s	s	0.14	s	s
Balmer	BALM1	Exposed	0.00	0.00	0.00	0.00	0.00	0.01	d	0.01
Bodie	BODI1	Exposed	0.00	0.00	0.00	0.79	0.23	1.22	1.09	1.10
Bodie	BODI2	Exposed	0.00	0.06	s	s	s	s	s	s
Bodie	BODI3	Exposed	1.16	2.47	N/A	1.77	2.09	2.33	2.58	2.62
Cataract	CATA1	Exposed	3.00	3.00	3.00	3.00	3.00	2.96	r	r
Cataract	CATA3	Exposed	3.00	2.64	2.56	s	s	2.89	r	r
Chauncey	CHAU1	Reference	0.00	0.00	0.00	0.17	0.12	0.12	0.23	0.21
Clode Pond Outlet	COUT1	Exposed	0.00	1.01	1.03	1.21	0.29	1.46	0.23	1.16
Clode West Infiltration	CLOW1	Exposed	N/A	0.18	0.00	0.50	0.21	0.67	0.23	0.76
Corbin	CORB1	Exposed	1.95	1.71	2.62	2.21	2.74	2.70	2.47	2.45
Corbin	CORB2	Exposed	2.72	2.68	2.25	s	s	2.92	2.87	s
Dry (EVO)	DRYE1	Exposed	2.23	2.13	2.19	s	s	2.96	2.19	2.67
Dry (EVO)	DRYE3	Exposed	2.20	2.40	2.48	2.51	2.85	2.76	2.25	2.82
Dry (EVO)	DRYE4	Exposed	1.42	1.84	2.37	s	s	3.00	2.51	2.94
Dry (LCO)	DRYL1	Exposed	0.00	0.00	0.00	0.00	0.02	0.57	0.65	0.62
Dry (LCO)	DRYL2	Exposed	0.00	0.00	0.00	0.00	0.00	0.24	0.52	0.60
Dry (LCO)	DRYL3	Exposed	0.00	0.00	0.00	0.00	0.00	0.06	0.16	0.29
Dry (LCO)	DRYL4	Exposed	0.00	N/A	0.00	0.00	0.00	0.32	0.15	0.30
Eagle Pond Outlet	EPOU1	Exposed	1.90	1.31	0.58	0.20	0.25	0.21	r	r
East Dry Creek	ETRI1	Reference	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.02
Elk	ELKR10	Exposed	0.00	0.00	0.00	s	s	0.03	0.01	0.05
Elk	ELKR11	Exposed	0.00	0.00	0.00	s	s	0.00	s	s
Elk	ELKR12	Exposed	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05
Elk	ELKR15	Reference	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00
Elk	ELKR8	Exposed	0.40	0.00	0.00	0.00	0.01	0.28	0.09	0.42
Elk	ELKR9	Exposed	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.08
Erickson	ERIC1	Exposed	2.29	2.59	2.77	2.36	2.67	2.89	2.90	2.92
Erickson	ERIC2	Exposed	1.78	2.27	2.58	s	s	2.50	2.46	2.57
Erickson	ERIC3	Exposed	2.36	2.60	3.00	s	s	2.95	2.96	2.91
Erickson	ERIC4	Exposed	0.62	1.28	1.17	s	s	1.73	1.74	1.68

Stream name	Reach Code	Site type	2013 CI	2014 CI	2015 CI	2016 CI	2017 CI	2018 CI	2019 CI	2020 CI
Feltham	FELT1	Exposed	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.01
Fennelon	FENN1	Exposed	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00
Fish Pond	FPON1	Exposed	0.00	0.03	0.00	0.08	0.20	0.17	0.38	0.48
Fording	FORD1	Exposed	0.00	0.00	0.00	0.37	0.44	0.23	0.20	0.14
Fording	FORD10	Exposed	0.00	0.00	0.00	s	s	0.63	s	0.52
Fording	FORD11	Exposed	0.00	0.00	0.00	s	s	0.27	s	0.18
Fording	FORD12	Reference	0.00	0.00	0.00	0.08	0.11	0.31	0.28	0.15
Fording	FORD2	Exposed	0.00	0.00	0.00	0.00	0.10	0.13	0.30	0.34
Fording	FORD3	Exposed	0.00	0.01	0.00	s	s	0.49	s	0.96
Fording	FORD4	Exposed	N/A	0.05	0.66	0.60	0.84	0.80	1.09	0.88
Fording	FORD5	Exposed	0.32	0.35	0.53	0.58	0.73	0.70	0.80	0.79
Fording	FORD6	Exposed	0.74	0.43	1.53	0.64	0.68	0.79	0.98	0.96
Fording	FORD7	Exposed	0.43	0.97	0.55	0.63	0.71	0.89	0.90	1.09
Fording	FORD8	Exposed	0.31	0.49	0.48	s	s	0.61	s	0.69
Fording	FORD9	Exposed	0.00	0.00	0.00	0.00	0.32	0.73	0.71	0.44
Gardine	GARD1	Exposed	0.29	0.70	0.32	0.14	0.60	0.64	0.50	0.60
Gate	GATE2	Exposed	0.15	0.00	0.74	1.47	1.98	1.14	f	1.61
Goddard	GODD1	Exposed	0.00	0.00	0.00	0.22	0.13	0.35	0.24	0.16
Goddard	GODD2	Exposed	0.00	0.00	0.00	s	s	2.62	2.52	2.14
Goddard	GODD3	Exposed	0.00	1.90	1.97	2.22	2.64	2.62	2.66	2.55
Grace	GRAC1	Reference	0.31	0.20	0.05	0.09	0.06	0.10	0.19	0.25
Grace	GRAC2	Reference	0.15	0.10	0.10	s	s	0.06	s	s
Grace	GRAC3	Reference	N/A	0.00	0.00	s	s	0.00	s	s
Grassy	GRAS1	Exposed	0.00	0.09	0.00	0.04	0.29	0.25	0.38	0.17
Grave	GRAV1	Exposed	0.54	0.72	0.02	0.14	0.24	0.37	0.41	0.28
Grave	GRAV2	Exposed	0.23	0.21	0.00	s	s	0.14	s	s
Grave	GRAV3	Reference	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Greenhills	GREE1	Exposed	0.35	1.06	0.45	0.86	1.07	0.64	0.66	0.64
Greenhills	GREE3	Exposed	1.30	2.22	2.46	2.18	2.55	2.49	1.91	2.58
Greenhills	GREE4	Exposed	1.62	2.78	2.80	2.61	2.68	2.74	2.32	2.84
Greenhillls Side Channel	GSCH1	Exposed	n	n	n	n	n	n	n	0.41
Harmer	HARM1	Exposed	0.58	1.08	0.07	0.64	0.61	0.80	0.82	0.90
Harmer	HARM3	Exposed	0.15	0.28	0.01	0.12	0.03	0.08	0.14	0.12
Harmer	HARM4	Exposed	0.17	0.70	0.17	s	s	0.35	s	s

Stream name	Reach Code	Site type	2013 CI	2014 CI	2015 CI	2016 CI	2017 CI	2018 CI	2019 CI	2020 CI
Harmer	HARM5	Exposed	0.19	0.56	0.22	s	s	0.31	s	s
Henretta	HENR1	Exposed	0.00	0.00	0.00	0.00	0.04	0.32	0.40	0.69
Henretta	HENR2	Exposed	0.00	0.00	0.00	s	s	s	s	s
Henretta	HENR3	Reference	0.00	0.00	0.00	s	s	0.00	s	0.20
Kilmamock	KILM1	Exposed	2.16	1.64	1.97	2.59	2.77	2.30	2.56	2.47
Lake Mountain	LMOU1	Exposed	0.00	0.33	0.00	0.15	0.18	0.39	0.88	0.64
Leask	LEAS2	Exposed	0.13	1.60	0.24	1.82	2.76	2.60	2.79	2.46
Lindsay	LIND1	Exposed	0.19	0.26	0.19	0.19	0.15	0.19	f	0.11
Line	LINE1	Exposed	0.27	0.00	0.00	0.03	0.00	0.52	0.46	0.76
Line	LINE2	Exposed	0.00	0.00	0.00	s	s	0.45	s	0.52
Line	LINE3	Exposed	0.00	0.00	0.00	s	s	0.66	s	0.48
Line	LINE4	Exposed	0.40	0.27	0.68	0.65	0.66	0.95	0.93	0.70
Line	LINE7	Reference	0.00	0.00	0.00	0.00	0.00	0.01	f	d
Michel	MICH1	Exposed	0.31	0.00	0.00	0.00	0.00	0.08	0.04	0.12
Michel	MICH2	Exposed	0.05	0.05	0.00	N/A	0.08	0.02	s	0.79
Michel	MICH3	Exposed	0.00	0.00	0.00	s	s	0.01	s	0.45
Michel	MICH4	Exposed	0.00	0.00	0.00	0.00	0.01	0.06	0.02	0.05
Michel	MICH5	Reference	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.03
Mickelson	MICK1	Exposed	0.01	0.00	0.00	2.18	1.25	1.23	1.84	1.22
Mickelson	MICK2	Exposed	0.05	0.00	0.03	s	s	1.37	f	s
Milligan	MILL1	Exposed	0.00	0.00	0.00	N/A	0.36	1.77	f	1.33
Milligan	MILL2	Exposed	0.00	0.00	0.00	1.07	1.06	1.18	f	s
North Thompson	NTHO1	Exposed	1.24	2.39	1.18	1.54	1.78	1.91	1.56	2.00
North Wolfram	NWOL1	Exposed	0.70	1.33	0.21	0.14	2.59	2.44	d	2.71
Otto	OTTO1	Exposed	0.30	0.22	0.10	0.23	0.14	0.59	f	0.46
Otto	OTTO3	Exposed	0.02	0.02	0.00	s	s	0.05	f	s
Pengally	PENG1	Exposed	0.09	0.02	0.02	0.00	0.00	0.00	d	d
Porter	PORT1	Exposed	0.92	0.84	0.85	0.75	0.74	0.85	0.85	0.98
Porter	PORT3	Exposed	2.78	1.94	1.94	1.46	1.62	1.65	1.44	*
Porter	PORT3a	Exposed	n	n	n	n	n	n	n	0.48
Porter	PORT3b	Exposed	n	n	n	n	n	n	n	2.55
Qualteri	QUAL1	Exposed	0.00	0.00	0.00	0.00	0.00	N/A	f	d
Sawmill	SAWM1	Exposed	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05
Sawmill	SAWM2	Exposed	0.38	0.54	0.62	0.00	0.00	0.00	d	s
SITE18	SITE18	Exposed	N/A	N/A	N/A	N/A	3.00	3.00	2.93	2.97

Stream name	Reach Code	Site type	2013 CI	2014 CI	2015 CI	2016 CI	2017 CI	2018 CI	2019 CI	2020 CI
Six Mile	SIXM1	Exposed	0.80	1.19	0.49	0.65	0.95	0.92	f	0.93
Smith Pond Outlet	SPOU1	Exposed	2.61	2.24	2.24	3.00	2.60	2.45	2.00	2.02
South Line	SLINE2	Reference	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.05
South Pit	SPIT1	Exposed	0.00	0.00	1.14	1.59	2.49	2.77	2.43	2.30
South Wolfram Creek	SWOL1	Exposed	1.97	1.97	0.28	1.86	2.05	2.38	2.96	2.52
Spring	SPRI1	Exposed	0.20	0.11	0.11	0.12	0.13	0.14	0.05	0.04
Stream 02	STR02	Exposed	N/A	N/A	N/A	N/A	0.68	0.72	d	0.02
Stream 14	STR14	Exposed	N/A	N/A	N/A	N/A	0.00	0.40	d	d
Swift	SWIF1	Exposed	2.58	2.18	2.39	2.43	2.45	1.69	1.88	r
Swift	SWIF2	Exposed	0.00	1.04	0.82	s	s	1.12	c	r
Thompson	THOM2	Exposed	0.08	0.00	0.01	N/A	0.83	0.81	1.88	0.80
Thompson	THOM3	Exposed	0.00	0.00	0.00	s	s	1.04	1.63	1.29
Thompson	THOM4	Exposed	n	n	n	n	n	n	n	0.16
Thresher	THRE1	Exposed	0.00	0.00	0.00	0.00	0.00	0.03	d	d
Unnamed South of Sawmill	USOS1	Exposed	0.00	0.00	0.00	0.00	0.00	0.00	f	0.00
Upper Thompson	UTHO1	Exposed	n	n	n	n	n	n	n	1.15
Upper Thompson Pond Outlet	UTPO1	Exposed	n	n	n	n	n	n	n	0.52
Willow North	WILN2	Exposed	N/A	N/A	0.00	0.00	0.00	0.00	f	0.02
Willow South	WILS1	Exposed	N/A	N/A	0.00	0.00	0.00	0.00	f	d
Wolf	WOL1	Exposed	N/A	N/A	0.00	0.00	0.00	0.00	0.90	0.01
Wolfram	WOLF2	Exposed	0.27	0.42	0.70	s	s	0.88	0.84	2.41
Wolfram	WOLF3	Exposed	2.93	2.07	1.60	2.61	2.80	2.69	2.86	2.95

*PORT3 is now broken up into PORT3a and 3b, historic data is still being compared to these new reaches depending on site location

Legend	
s	stream segment approach
d	dry
r	removed from regional program
f	frozen
n	added in 2020 sampling
c	construction or safety considerations

Appendix 3. Maps of sample sites.

2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #1

646,000

653,000

5,585,000

5,580,000

N

15

ELKR15-75

ELKR15-50

ELKR15-25

Elk River

Gardner Creek

Weary Creek

Bleasdell Creek

Aldridge Creek

Elk Range

Mount McPhail

Weary Creek Gap

Mount Muir

High Rock Range

Mount Strachan

Weary Ridge

Mount Bleasdell

Mount Shankland

0 1 2

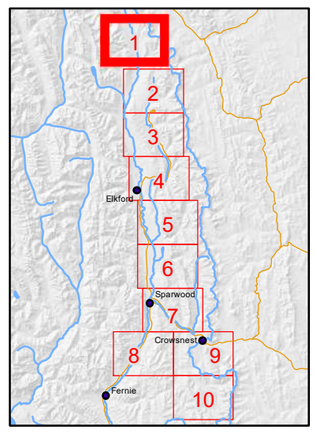
Kilometers

1:50,000

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map

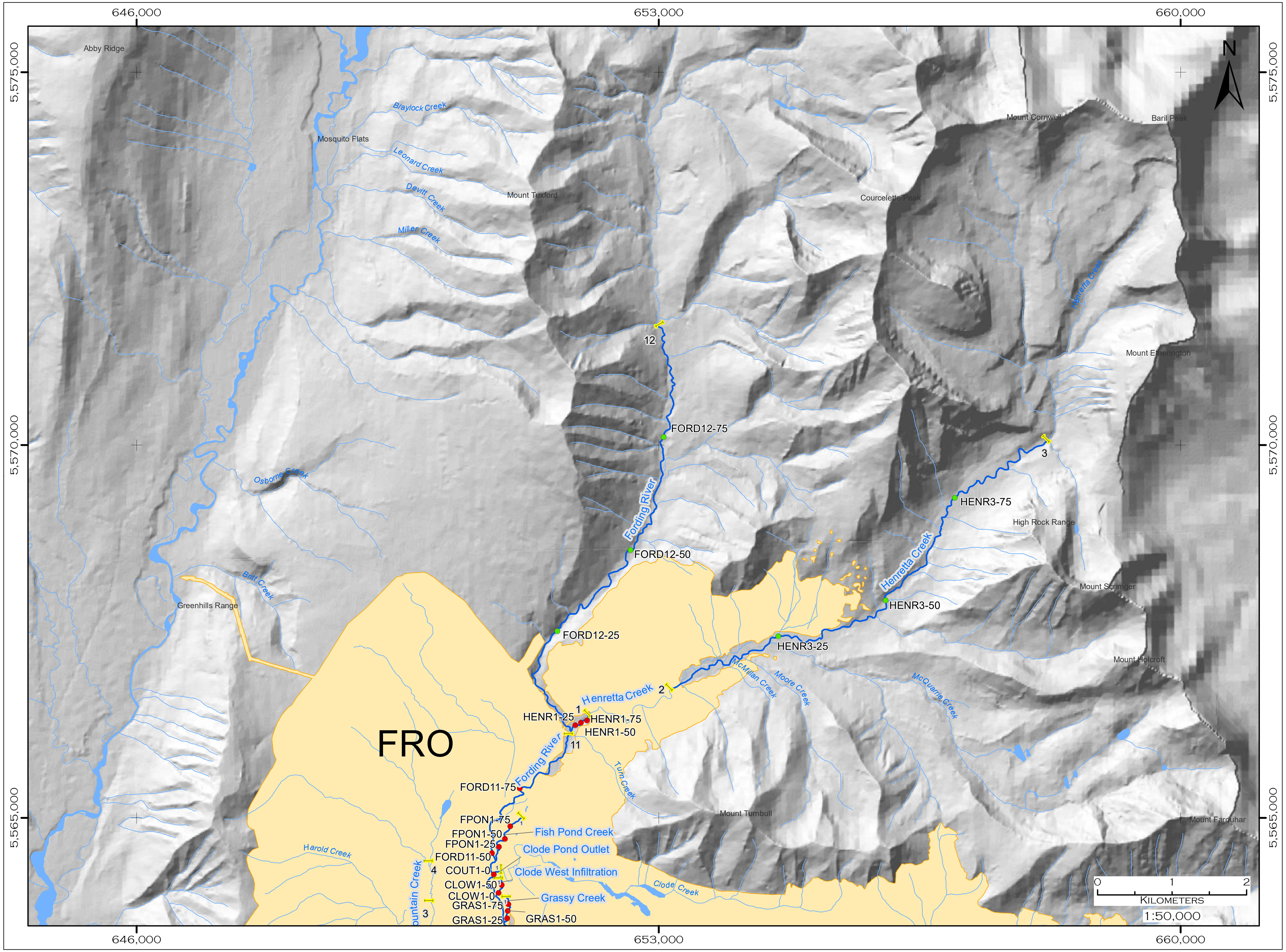


Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021


646,000
653,000
660,000
5,575,000
5,570,000
5,565,000
N
Abby Ridge
Mosquito Flats
Braylock Creek
Leonard Creek
Devitt Creek
Mount Tuxford
Miller Creek
Mount Cornwall
Baril Peak
Courcelette Peak
Henretta Creek
Osborne Creek
12
FORD12-75
Fording River
FORD12-50
FORD12-25
3
HENR3-75
High Rock Range
Mount Erickson
Henretta Creek
Mount Scrimger
HENR3-50
HENR3-25
Mount Holcroft
McMillan Creek
Moore Creek
McQuarrie Creek
Britt Creek
Greenhills Range
2
Henretta Creek
1
HENR1-25
HENR1-75
HENR1-50
11
FRO
Fording River
FORD11-75
Turn Creek
Mount Turnbull
Mount Farquhar
FPON1-75
Fish Pond Creek
FPON1-50
FPON1-25
Clode Pond Outlet
FORD11-50
COUT1-0
Clode West Infiltration
CLOW1-50
CLOW1-0
Grassy Creek
GRAS1-75
GRAS1-25
GRAS1-50
Harold Creek
Fountain Creek
4
3
Clode Creek
0
1
2
Kilometers
1:50,000

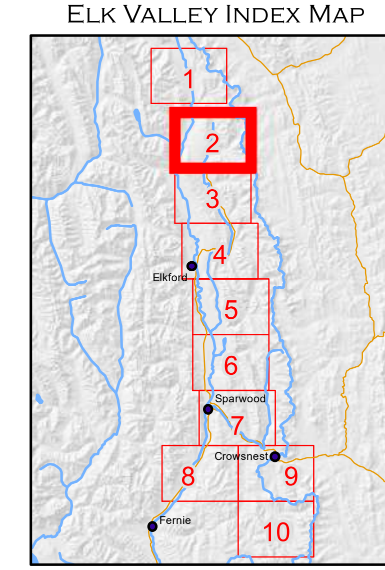
2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #2

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

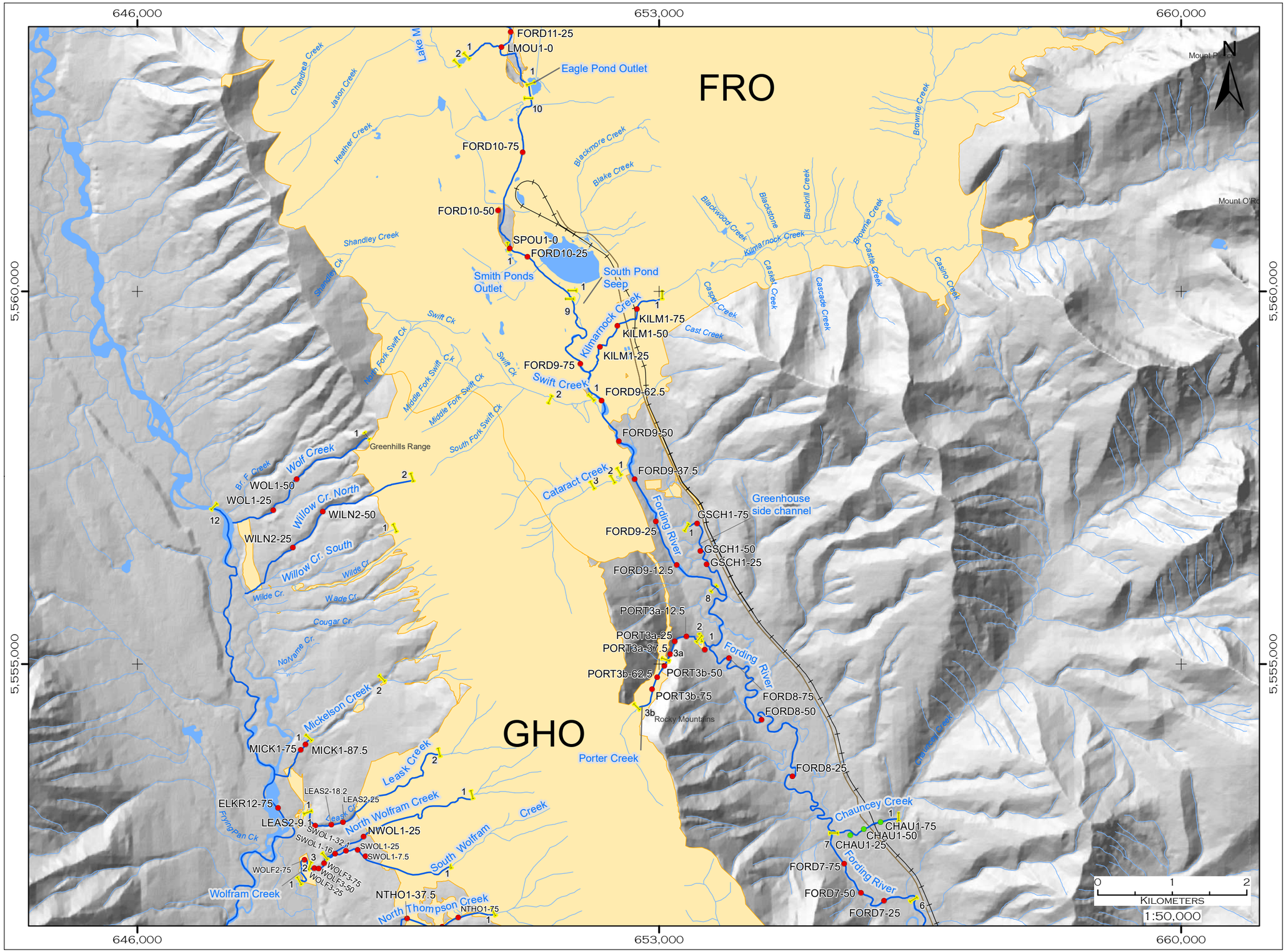
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

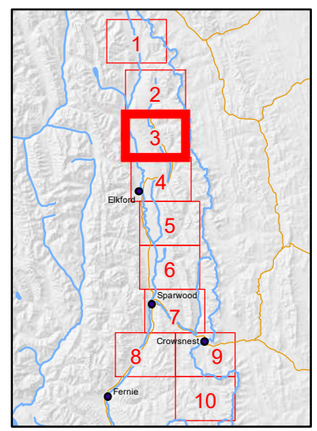
2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #3



Reference Site
Exposed Site
Calcite Sampled Stream
Reach Break
Water network
Road - Regional
Railway
Teck Coal Operations

Elk Valley Index Map



Client: Teck

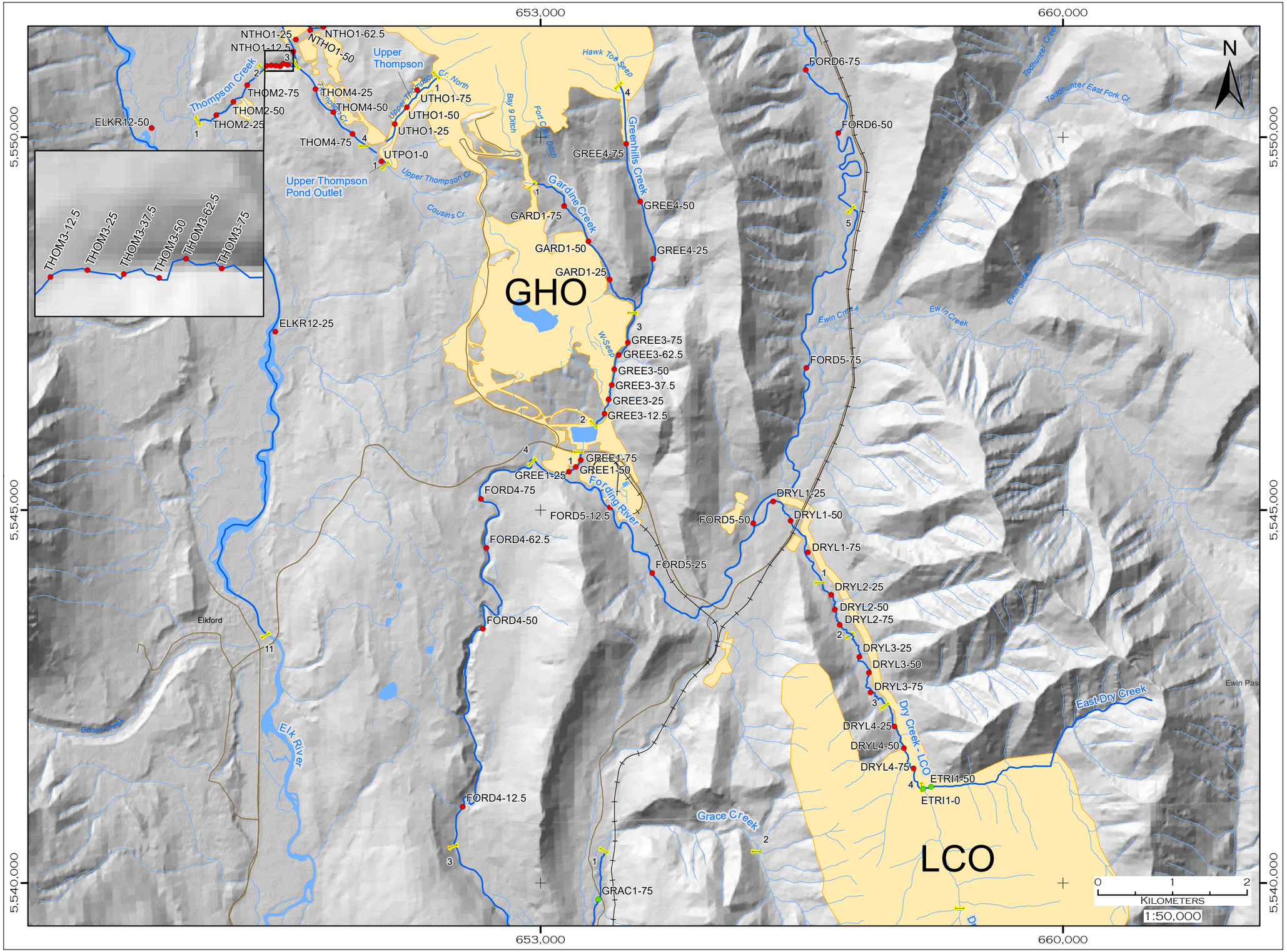
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

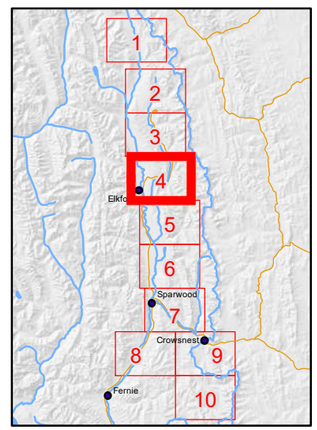
Elk Valley - Map #4



Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

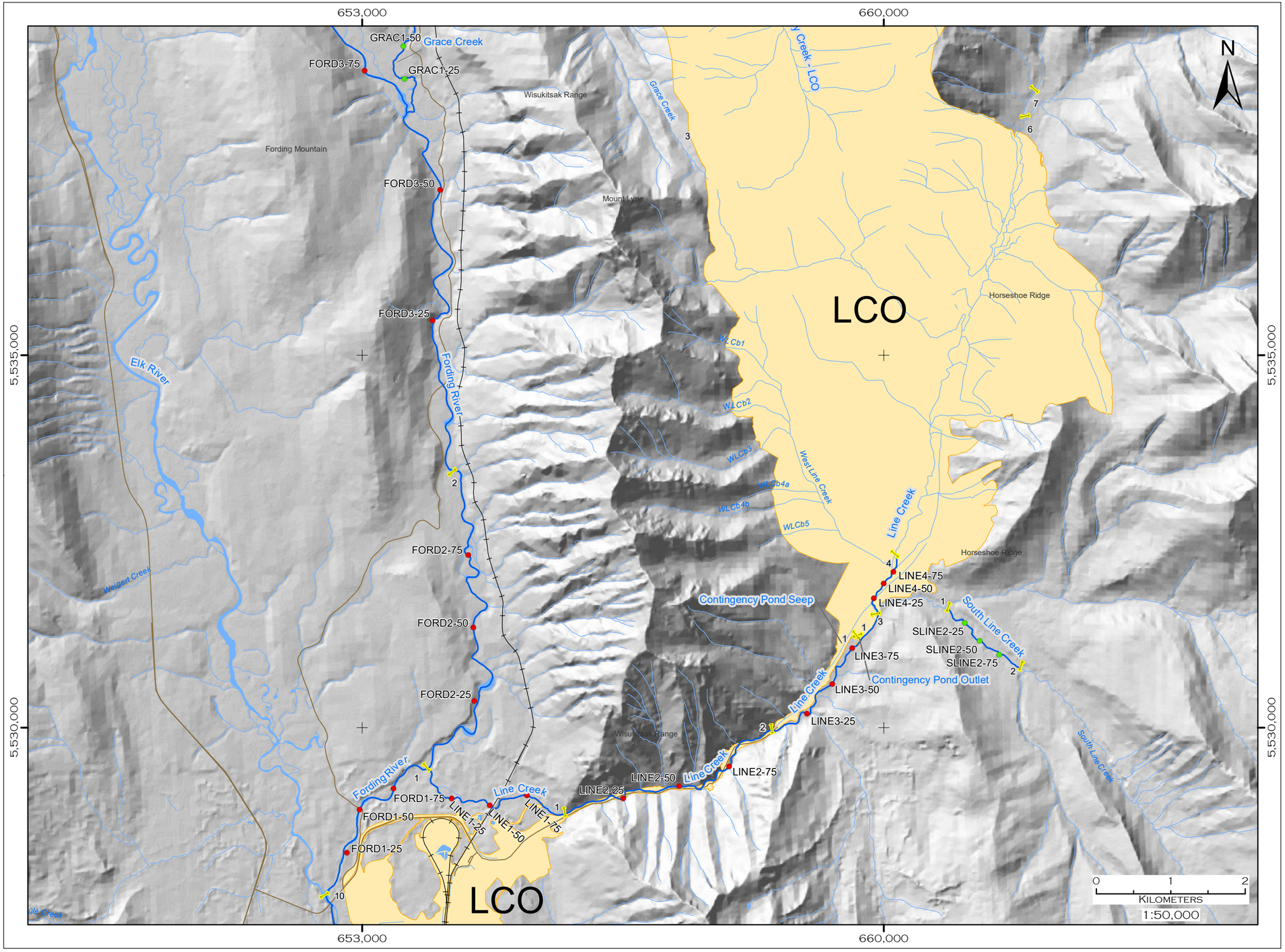
Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

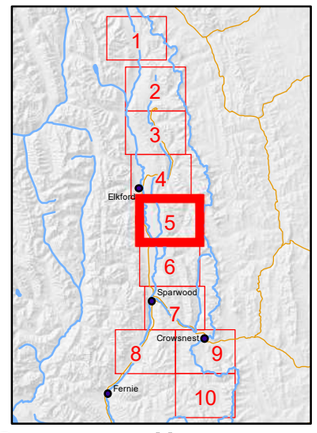
Elk Valley - Map #5

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations



Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #6

653,000 660,000

5,525,000 5,520,000

LCO

EVO

Mount Salter

Grave Lake

Sheep Mountain

Natal Ridge

Harmer

Erickson Ridge

Grave Creek

North Littlemoor Creek

Littlemoor Creek

Mansfield Creek

Hollow Creek

Dalzell Creek

Elk River (R10)

Sixmile Creek

Sawmill Creek

Harmer Creek

Unnamed South of Sawmill Creek

West Alexander Creek

Dry Creek - EVO

Fennelon Creek

Feltham Creek

Lindsay Creek

Harmer Dump Seep

Whiting Creek

ELKR10-75

ELKR10-50

ELKR10-25

GRAV1-25

GRAV1-50

GRAV1-75

GRAV3-75

GRAV3-50

GRAV3-25

HARM1-25

HARM1-50

HARM1-75

HARM3-25

HARM3-50

HARM3-75

SAWM1-0

SAWM1-50

SIXM1-25

SIXM1-50

SIXM1-75

USOS1-25

USOS1-50

USOS1-75

BALM1-50

BALM1-75

BALM1-25

DRYE1-0

DRYE3-25

DRYE3-50

DRYE3-75

DRYE4-25

FENN1-50

FELT1-25

FELT1-50

FELT1-75

LIND1-75

N

0 1 2

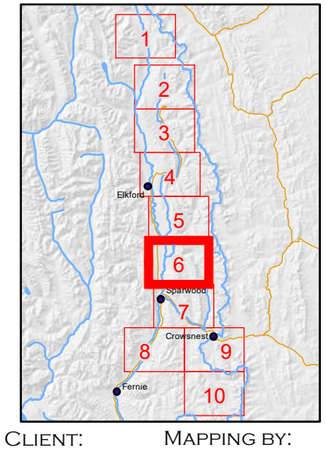
Kilometers

1:50,000

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

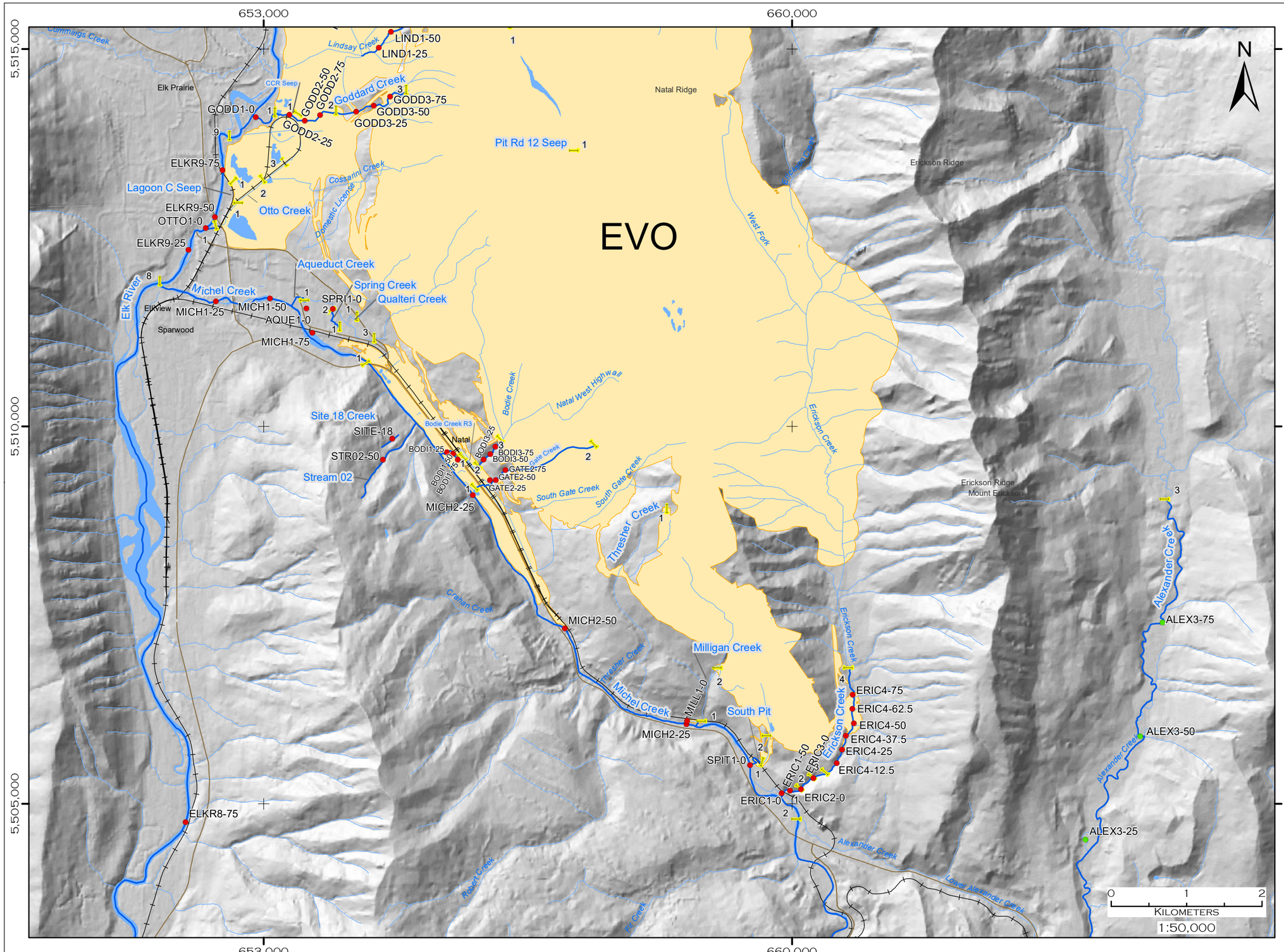
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

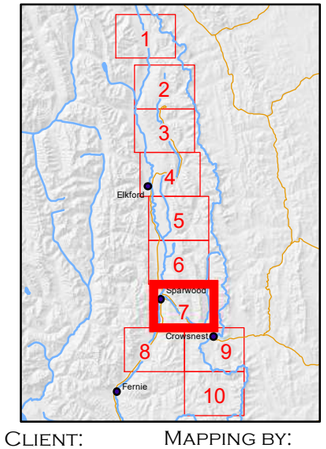
Elk Valley - Map #7



Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

646,000

653,000

5,500,000

5,495,000

N

McCool Creek

Sparwood Ridge

Olson

ELKR8-50

Elk Valley Park

Mount Hosmer

1

Wheeler Creek

2

3

Hosmer

Hosmer Ridge

Labelle Creek

Hosmer Creek

SnowSlide Creek

1

Harley Creek

Thorne Creek

Marten Ridge

Dock Creek

Murdoch Creek

Carbon Creek

2

1

Elk River (R8)

ELKR8-25

Quar Creek

Martin Creek

0 1 2

Kilometers

1:50,000

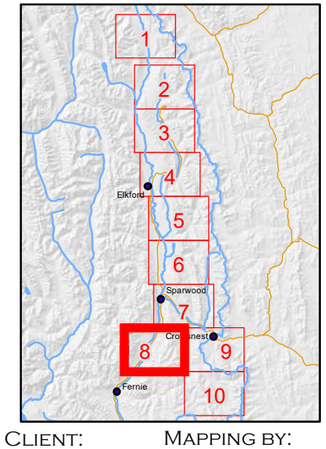
2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #8

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

Elk Valley - Map #9

660,000 667,000 674,000

5,500,000 5,495,000

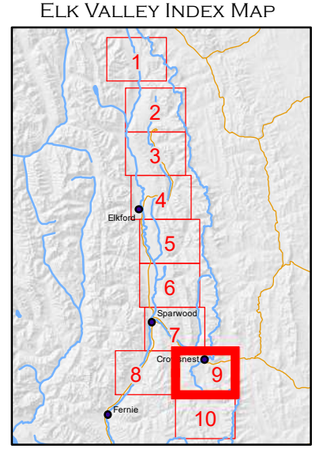
N

Alexander Creek
2
Summit Creek
Crowsnest Park
High Rock Range
Phillipps Pass
Crowsnest Ridge
Crowsnest Pass
Crowsnest
Hazell
Crowsnest Pass
Sentinel
Michel Creek
MICH3-25
MICH3-50
Loop Ridge
Flathead Range
Island Ridge
Loop Ridge
MICH3-75
Loop Ridge
Sentry Mountain
Trail Hill
Chinook Peak
Tent Mountain Pass
Mount Parrish
3
Leach Creek
MICH4-25
Andy Good Peak
Tent Mountain
Ptolemy Pass
Flathe
Mount Ptolemy

0 1 2
Kilometers
1:50,000

Site Type
- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

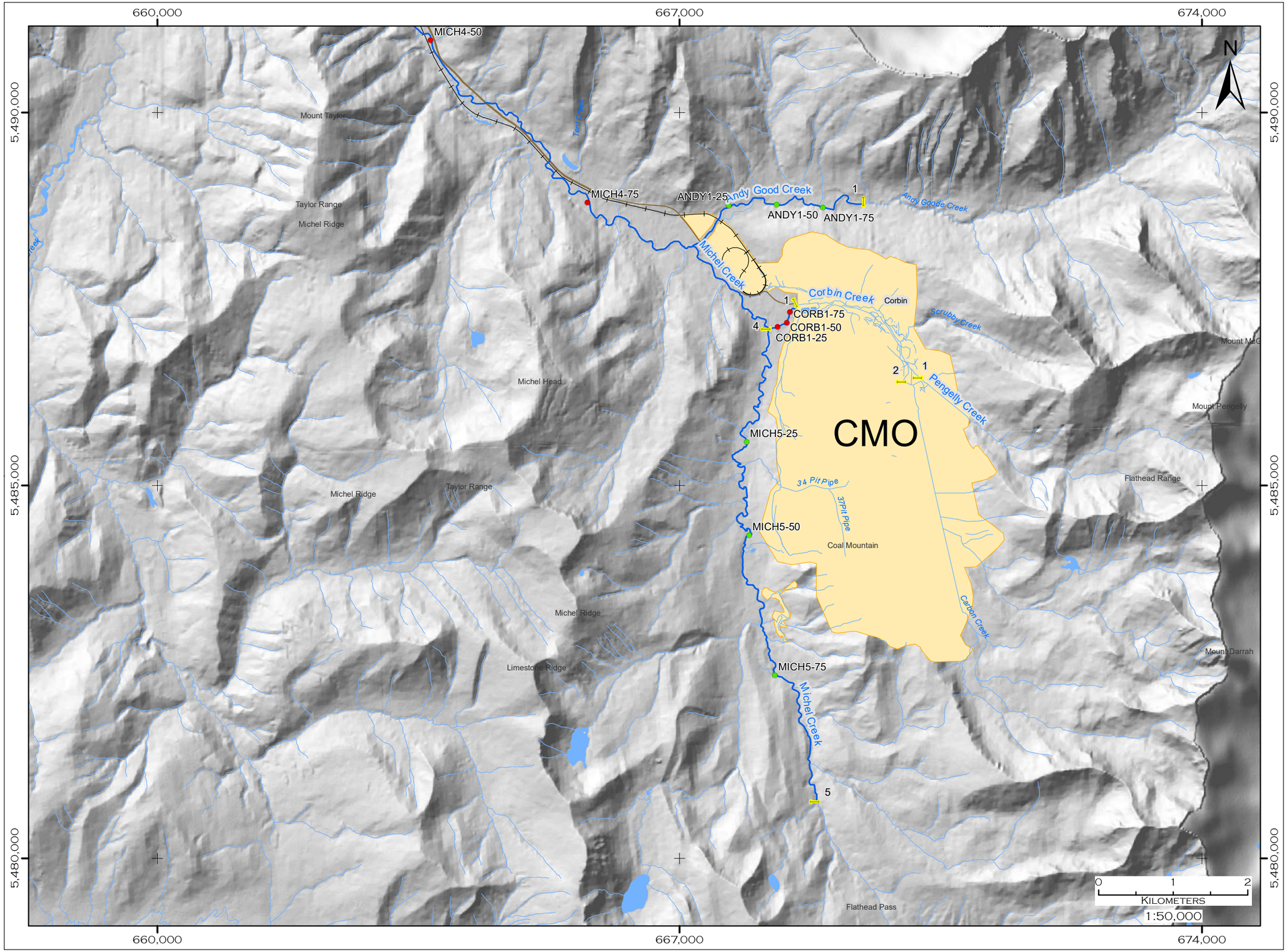
Date Last Revised: April 8, 2021

2020 Regional Calcite Monitoring Program Sites

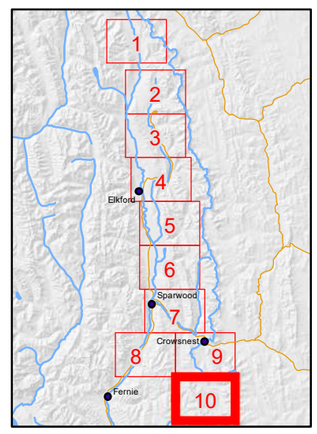
Elk Valley - Map #10

Site Type

- Reference Site
- Exposed Site
- Calcite Sampled Stream
- Reach Break
- Water network
- Road - Regional
- Railway
- Teck Coal Operations



Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

Appendix 4. Site UTMS.

Site	Reach	Easting	Northing
ALEX3-25	ALEX3	663890	5504520
ALEX3-50	ALEX3	664614	5505892
ALEX3-75	ALEX3	664909	5507398
ANDY1-25	ANDY1	667658	5488753
ANDY1-50	ANDY1	668301	5488765
ANDY1-75	ANDY1	668923	5488725
AQUE1-0	AQUE1	653565	5511559
BALM1-25	BALM1	653305	5517471
BALM1-50	BALM1	653938	5517633
BALM1-75	BALM1	654605	5517616
BODI1-25	BODI1	655429	5509654
BODI1-50	BODI1	655507	5509636
BODI1-75	BODI1	655571	5509554
BODI3-25	BODI3	655915	5509557
BODI3-50	BODI3	656006	5509632
BODI3-75	BODI3	656073	5509727
CHAU1-25	CHAU1	655564	5552702
CHAU1-50	CHAU1	655745	5552787
CHAU1-75	CHAU1	655970	5552882
CLOW1-0	CLOW1	650854	5563993
CLOW1-50	CLOW1	650895	5564101
CORB1-25	CORB1	668315	5487124
CORB1-50	CORB1	668437	5487182
CORB1-75	CORB1	668479	5487325
COUT1-0	COUT1	650788	5564242
DRYE1-0	DRYE1	659427	5517591
DRYE3-25	DRYE3	659340	5517342
DRYE3-50	DRYE3	659273	5517241
DRYE3-75	DRYE3	659206	5517141
DRYE4-25	DRYE4	659013	5516858
DRYL1-25	DRYL1	656119	5545115
DRYL1-50	DRYL1	656350	5544856
DRYL1-75	DRYL1	656585	5544432
DRYL2-25	DRYL2	656897	5543858
DRYL2-50	DRYL2	656945	5543659
DRYL2-75	DRYL2	657012	5543459
DRYL3-25	DRYL3	657273	5543029
DRYL3-50	DRYL3	657403	5542815
DRYL3-75	DRYL3	657423	5542553
DRYL4-25	DRYL4	657746	5542094
DRYL4-50	DRYL4	657870	5541803
DRYL4-75	DRYL4	657998	5541531
ELKR10-25	ELKR10	652969	5517209
ELKR10-50	ELKR10	653185	5520698
ELKR10-75	ELKR10	653273	5524306

Site	Reach	Easting	Northing
ELKR12-25	ELKR12	649449	5547389
ELKR12-50	ELKR12	647786	5550118
ELKR12-75	ELKR12	647889	5553073
ELKR15-25	ELKR15	648340	5580657
ELKR15-50	ELKR15	647626	5583455
ELKR15-75	ELKR15	646900	5586535
ELKR8-25	ELKR8	645756	5491857
ELKR8-50	ELKR8	648445	5498835
ELKR8-75	ELKR8	651965	5504752
ELKR9-25	ELKR9	652003	5512334
ELKR9-50	ELKR9	652355	5512773
ELKR9-75	ELKR9	652458	5513391
ERIC1-0	ERIC1	659865	5505136
ERIC1-50	ERIC1	659974	5505174
ERIC2-0	ERIC2	660119	5505190
ERIC3-0	ERIC3	660283	5505338
ERIC4-12.5	ERIC4	660594	5505537
ERIC4-25	ERIC4	660663	5505716
ERIC4-37.5	ERIC4	660716	5505899
ERIC4-50	ERIC4	660821	5506062
ERIC4-62.5	ERIC4	660801	5506254
ERIC4-75	ERIC4	660594	5505537
ETRI1-0	ETRI1	658130	5541263
ETRI1-50	ETRI1	660716	5505899
FELT1-25	FELT1	660801	5506254
FELT1-50	FELT1	654391	5515943
FELT1-75	FELT1	654517	5515977
FENN1-50	FENN1	653825	5516301
FORD10-25	FORD10	651234	5560464
FORD10-50	FORD10	650841	5561087
FORD10-75	FORD10	651169	5561863
FORD11-25	FORD11	651010	5563479
FORD11-50	FORD11	650766	5564527
FORD11-75	FORD11	651138	5565396
FORD12-25	FORD12	651641	5567502
FORD1-25	FORD1	652795	5528319
FORD12-50	FORD12	652623	5568590
FORD12-75	FORD12	653069	5570106
FORD1-50	FORD1	652964	5528900
FORD1-75	FORD1	653423	5529184
FORD2-25	FORD2	654505	5530357
FORD2-50	FORD2	654493	5531343
FORD2-75	FORD2	654427	5532316
FORD3-25	FORD3	653949	5535464
FORD3-50	FORD3	654047	5537217
FORD3-75	FORD3	653031	5538820
FORD4-12.5	FORD4	651959	5541019
FORD4-50	FORD4	652229	5543405

Site	Reach	Easting	Northing
FORD4-62.5	FORD4	652273	5544489
FORD4-75	FORD4	652202	5545149
FORD5-12.5	FORD5	653931	5545033
FORD5-25	FORD5	654497	5544154
FORD5-50	FORD5	655852	5544822
FORD5-75	FORD5	656565	5546902
FORD6-50	FORD6	656989	5550053
FORD6-75	FORD6	656554	5550902
FORD7-25	FORD7	656017	5551826
FORD7-50	FORD7	655710	5551934
FORD7-75	FORD7	655484	5552321
FORD8-25	FORD8	654789	5553493
FORD8-50	FORD8	654374	5554251
FORD8-75	FORD8	653939	5555078
FORD9-12.5	FORD9	653234	5556331
FORD9-25	FORD9	652958	5556915
FORD9-37.5	FORD9	652672	5557481
FORD9-50	FORD9	652461	5557992
FORD9-62.5	FORD9	652231	5558537
FORD9-75	FORD9	651944	5559027
FPON1-25	FPON1	650858	5564610
FPON1-50	FPON1	650939	5564716
FPON1-75	FPON1	651009	5564888
GARD1-25	GARD1	653928	5548090
GARD1-50	GARD1	653641	5548601
GARD1-75	GARD1	653316	5549076
GATE2-25	GATE2	655999	5509284
GATE2-50	GATE2	656077	5509289
GATE2-75	GATE2	656203	5509420
GODD1-0	GODD1	652898	5514092
GODD2-25	GODD2	653342	5514127
GODD2-50	GODD2	653546	5514045
GODD2-75	GODD2	653747	5514121
GODD3-25	GODD3	654225	5514162
GODD3-50	GODD3	654458	5514243
GODD3-75	GODD3	654673	5514366
GRAC1-25	GRAC1	653571	5538708
GRAC1-50	GRAC1	653553	5539148
GRAC1-75	GRAC1	653774	5539780
GRAS1-25	GRAS1	650968	5563655
GRAS1-50	GRAS1	650976	5563754
GRAS1-75	GRAS1	650985	5563839
GRAV1-25	GRAV1	653634	5523373
GRAV1-50	GRAV1	653929	5523365
GRAV1-75	GRAV1	654260	5523398
GRAV3-25	GRAV3	657424	5522824
GRAV3-50	GRAV3	658310	5523477
GRAV3-75	GRAV3	659403	5523739

Site	Reach	Easting	Northing
GREE1-25	GREE1	653381	5545512
GREE1-50	GREE1	653475	5545576
GREE1-75	GREE1	653539	5545668
GREE3-12.5	GREE3	653859	5546289
GREE3-25	GREE3	653915	5546482
GREE3-37.5	GREE3	653954	5546673
GREE3-50	GREE3	653988	5546884
GREE3-62.5	GREE3	654048	5547076
GREE3-75	GREE3	654171	5547244
GREE4-25	GREE4	654511	5548366
GREE4-50	GREE4	654335	5549134
GREE4-75	GREE4	654151	5549910
GSCH1-25	GSCH1	653639	5556339
GSCH1-50	GSCH1	653555	5556519
GSCH1-75	GSCH1	653513	5556884
HARM1-25	HARM1	656651	5522087
HARM1-50	HARM1	656793	5522099
HARM1-75	HARM1	656925	5522139
HARM3-25	HARM3	657722	5521573
HARM3-50	HARM3	658099	5521124
HARM3-75	HARM3	658277	5520623
HENR1-25	HENR1	651880	5566241
HENR1-50	HENR1	651960	5566273
HENR1-75	HENR1	652038	5566303
HENR3-25	HENR3	654604	5567433
HENR3-50	HENR3	656044	5567916
HENR3-75	HENR3	656970	5569295
KILM1-25	KILM1	652207	5559256
KILM1-50	KILM1	652442	5559534
KILM1-75	KILM1	652704	5559764
LEAS2-18.2	LMOU1	650888	5563279
LEAS2-25	LEAS2	648763	5552881
LEAS2-9.1	LEAS2	648387	5552832
LIND1-25	LIND1	654526	5515017
LIND1-50	LIND1	654687	5515222
LIND1-75	LIND1	654887	5515370
LINE1-25	LINE1	654200	5529047
LINE1-50	LINE1	654711	5528956
LINE1-75	LINE1	655213	5529091
LINE2-25	LINE2	656502	5529046
LINE2-50	LINE2	657254	5529214
LINE2-75	LINE2	657925	5529475
LINE3-25	LINE2	658973	5530185
LINE3-50	LINE3	659309	5530587
LINE3-75	LINE3	659578	5531063
LINE4-25	LINE3	659869	5531736
LINE4-50	LINE3	660002	5531934
LINE4-75	LINE4	660130	5532092

Site	Reach	Easting	Northing
LMOU1-0	LMOU1	650888	5563279
MICH1-25	MICH1	652366	5511653
MICH1-50	MICH1	653083	5511691
MICH1-75	MICH1	653644	5511239
MICH2-25	MICH2	655772	5509086
MICH2-50	MICH2	656991	5507317
MICH2-75	MICH2	658602	5506054
MICH3-25	MICH3	660364	5502437
MICH3-50	MICH3	659705	5499439
MICH3-75	MICH3	659464	5496940
MICH4-25	MICH4	661761	5493058
MICH4-50	MICH4	663664	5490968
MICH4-75	MICH4	665768	5488794
MICH5-25	MICH5	667899	5485586
MICH5-50	MICH5	667933	5484333
MICH5-75	MICH5	668277	5482458
MICK1-75	MICK1	648194	5553850
MICK1-87.5	MICK1	648257	5553923
MILL1-0	MILL1	658611	5506095
NTHO1-12.5	NTHO1	649690	5551143
NTHO1-25	NTHO1	649721	5551307
NTHO1-37.5	NTHO1	649620	5551587
NTHO1-50	NTHO1	649911	5551430
NTHO1-62.5	NTHO1	650091	5551476
NTHO1-75	NTHO1	650306	5551596
NWOL1-25	NWOL1	649038	5552684
OTTO1-0	OTTO1	652232	5512622
PENG1-0	PENG1	670070	5486600
PENG1-50	PENG1	670140	5486521
PORT-1-0	PORT1	653615	5555194
PORT3a-12.5	PORT3a	653368	5555369
PORT3a-25	PORT3a	653209	5555304
PORT3a-37.5	PORT3a	653152	5555134
PORT3b-50	PORT3b	653073	5554975
PORT3b-62.5	PORT3b	652974	5554824
PORT3b-75	PORT3b	652907	5554661
SAWM1-0	SAWM1	658675	5519883
SAWM1-50	SAWM1	658571	5519764
SITE-18	SITE	654705	5509835
SIXM1-25	SIXM1	653333	5519956
SIXM1-50	SIXM1	653478	5519864
SIXM1-75	SIXM1	653636	5520034
SLINE2-25	SLINE2	661087	5531406
SLINE2-50	SLINE2	661290	5531166
SLINE2-75	SLINE2	661554	5530979

Site	Reach	Easting	Northing
SPIT1-0	SPIT1	659445	5505512
SPOU1-0	SPOU1	650995	5560576
SPRI1-0	SPRI1	653915	5511551
SWOL1-16	SWOL1	648656	5552459
SWOL1-25	SWOL1	648958	5552508
SWOL1-32.1	SWOL1	648798	5552497
SWOL1-7.5	SWOL1	649063	5552425
THOM2-25	THOM2	648655	5550293
THOM2-50	THOM2	648886	5550469
THOM2-75	THOM2	649069	5550691
THOM3-12.5	THOM3	649329	5550949
THOM3-25	THOM3	649391	5550960
THOM3-37.5	THOM3	649451	5550954
THOM3-50	THOM3	649510	5550947
THOM3-62.5	THOM3	649555	5550979
THOM3-75	THOM3	649614	5550963
THOM4-25	THOM4	649985	5550640
THOM4-50	THOM4	650222	5550335
THOM4-75	THOM4	650482	5550041
USOS1-25	USOS1	658493	5518730
USOS1-50	USOS1	658010	5518284
UTHO1-25	UTHO1	651047	5550175
UTHO1-50	UTHO1	651209	5550395
UTHO1-75	UTHO1	651349	5550629
UTPO1-0	UTPO1	650869	5549673
WILN2-25	WILN2	648087	5556563
WILN2-50	WILN2	648492	5557047
WOL1-25	WOL1	647825	5557063
WOL1-50	WOL1	648140	5557483
WOLF2-75	WOLF2	648246	5552373
WOLF3-25	WOLF3	648377	5552264
WOLF3-50	WOLF3	648437	5552260
WOLF3-75	WOLF3	648508	5552324

Appendix 5. Reach calcite index distribution maps.

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #1

639,000

646,000

5,595,000

5,590,000

N

Elk Range

Cultus Creek

Mount Odlum

Riverside Mountain

Abruzzi Creek

Cadorna Creek

Mount Loomis

Mount Bishop

15

Elk River (0.00)

0 1 2

Kilometers

1:50,000

Exposed Stream
Mean Calcite Index Reach Score

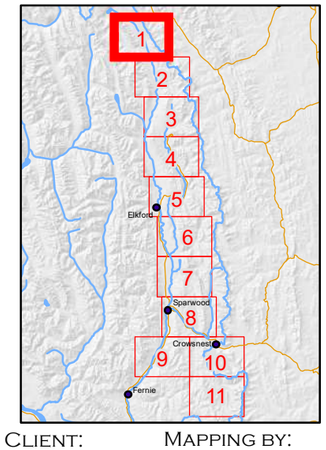
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #2

646,000

653,000

5,585,000

5,580,000

N

Gardner Creek

Mount McPhail

Weary Creek Gap

Weary Creek

Mount Muir

High Rock Range

Mount Straghan

Elk River

Weary Ridge

Bleasdell Creek

(0.00)

14

Mount Bleasdell

Aldridge Creek

Mount Shankland

Mount Maclaren

Mount Bolton

Mount Veits

Fording Pass

Fording River Pass

0 1 2

KILOMETERS

1:50,000

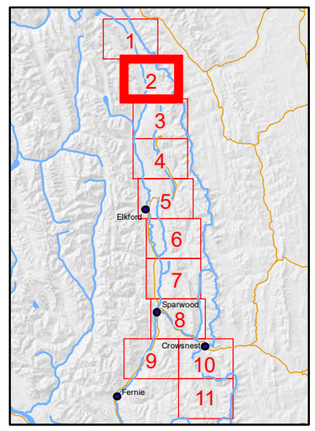
Exposed Stream
Mean Calcite Index Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client:

Teck

Mapping by:

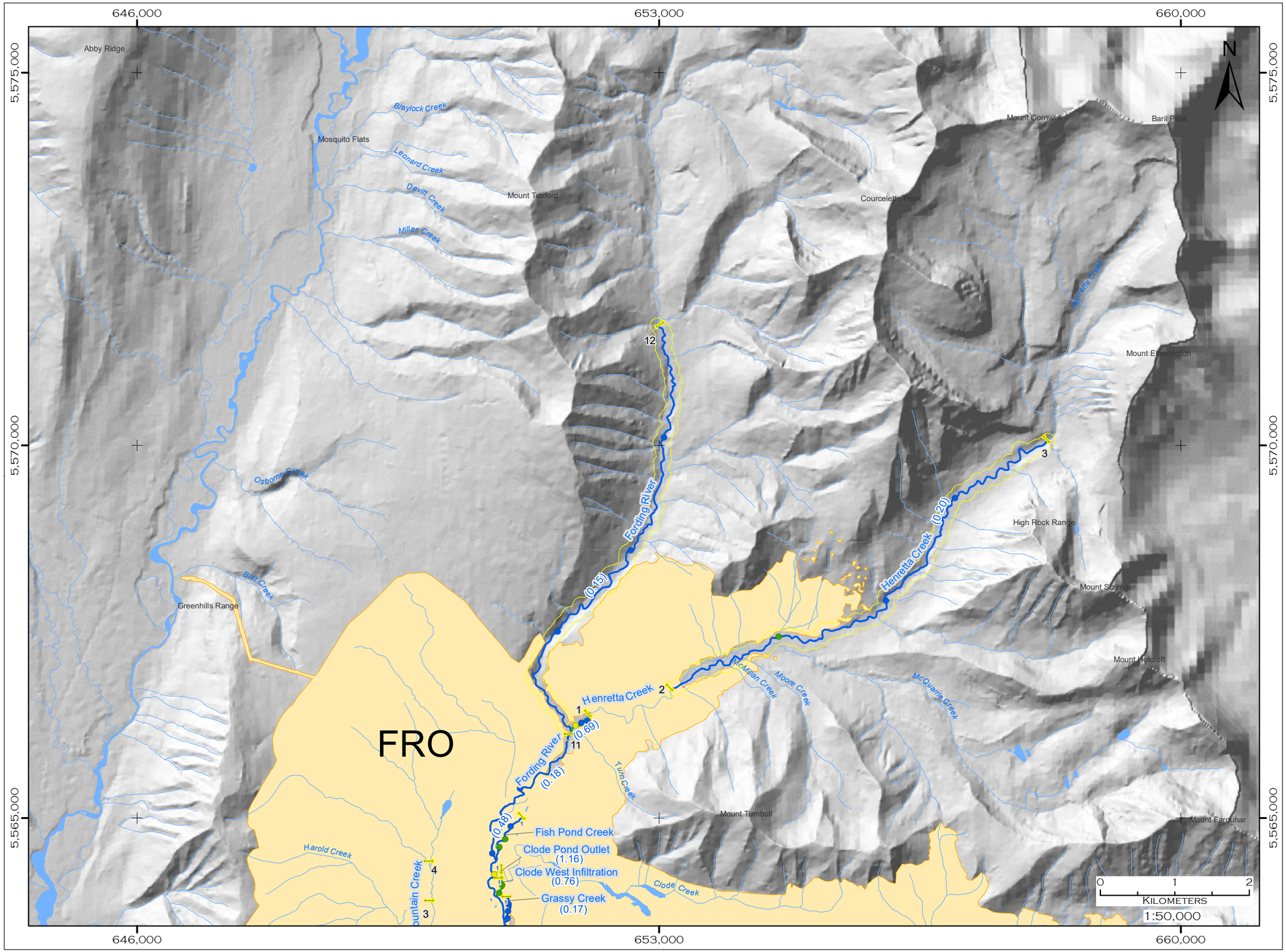
LOTIC ENVIRONMENTAL

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #3



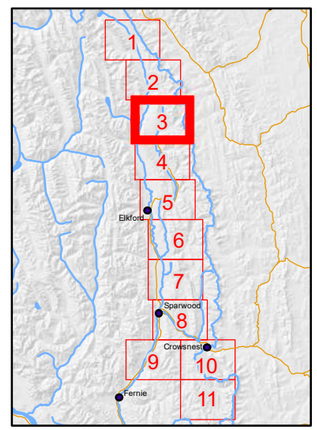
Exposed Stream
Mean Calcite Index Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

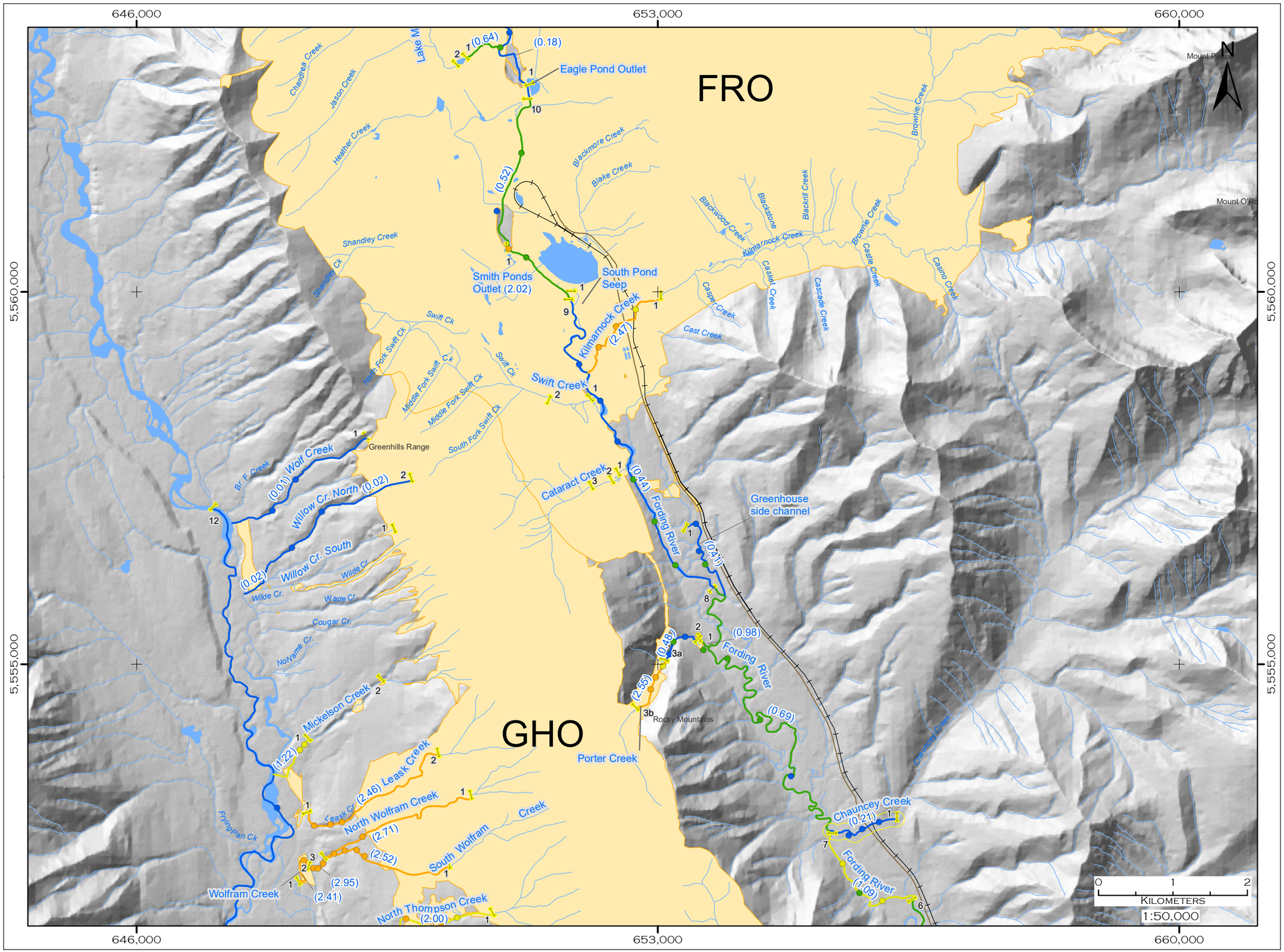
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #4



Exposed Stream
Mean Calcite Index Reach Score

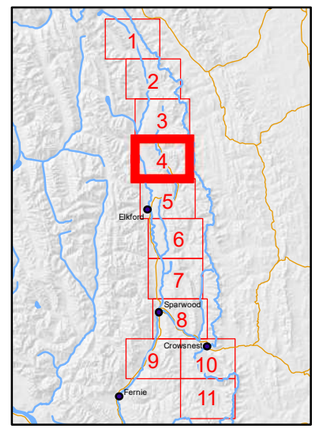
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

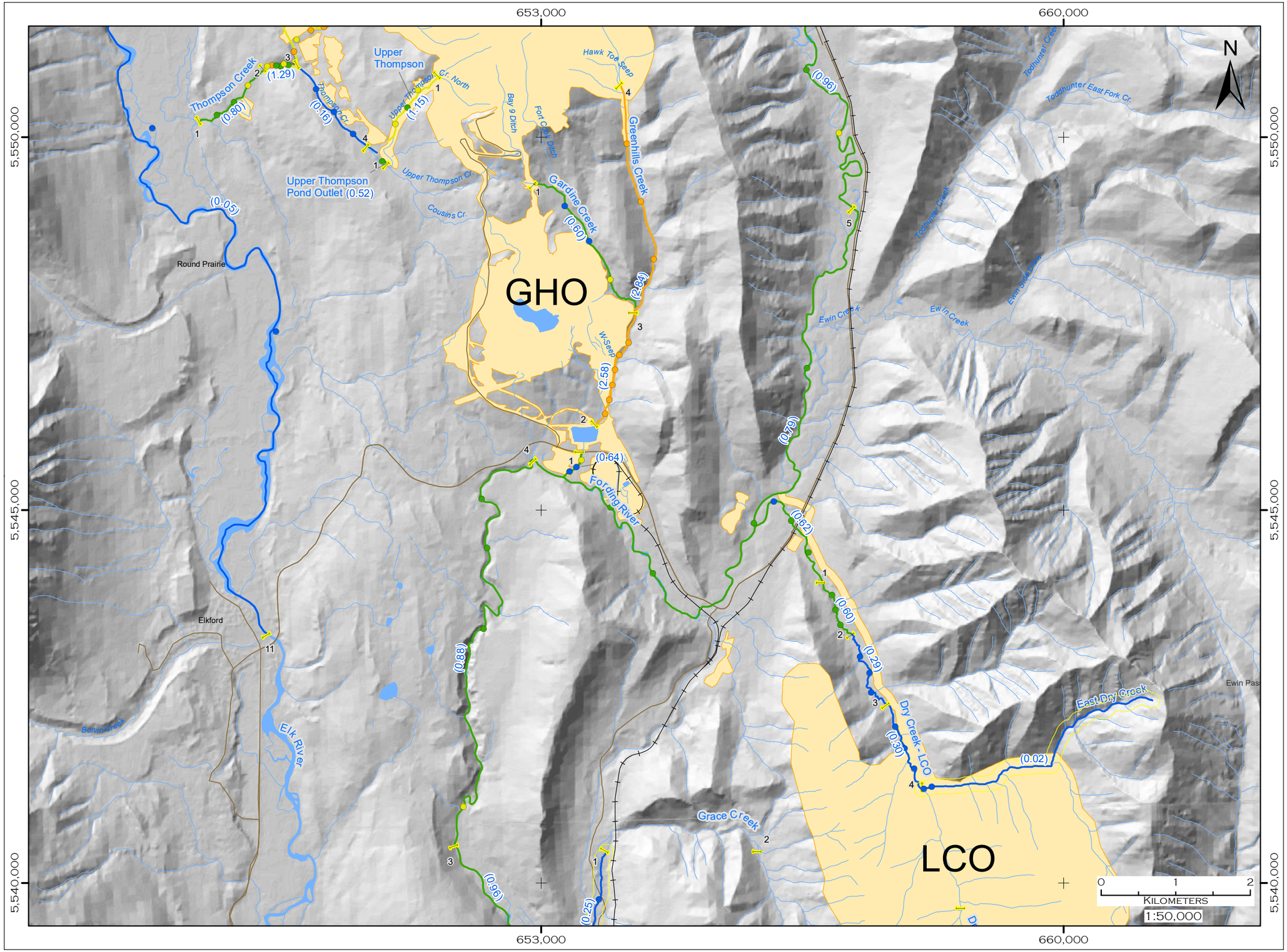
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #5

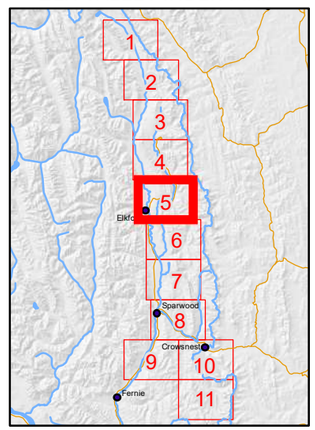


Exposed Stream
Mean Calcite Index Reach Score
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #6

653,000 660,000 5,535,000 5,530,000

N

Grace Creek (0.25) Wisukitsak Range Fording Mountain Mount Lyne Grace Creek 3 Creek - LCO 7 6 LCO Horseshoe Ridge Elk River (0.96) Fording River WLCb1 WLCb2 WLCb3 WLCb4a WLCb4b WLCb5 West Line Creek Line Creek 2 4 (0.70) Contingency Pond Seep 1 1 3 1 South Line Creek (0.05) 2 Contingency Pond Outlet Line Creek (0.48) Wisukitsak Range (0.52) 2 Line Creek South Line Creek Weigert Creek (0.34) Fording River 1 (0.76) Line Creek 1 (0.14) 10 LCO

0 1 2 Kilometers

1:50,000

Exposed Stream Mean Calcite Index Reach Score

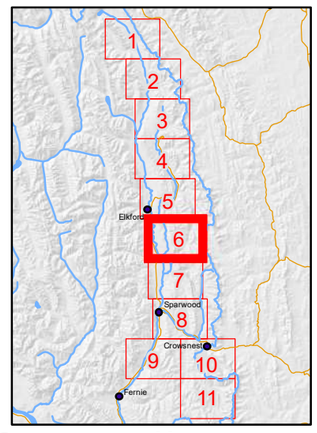
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #7

653,000 660,000 5,525,000 5,520,000

LCO

EVO

Mount Salter
Grave Lake
Sheep Mountain
Erickson Ridge
Natal Ridge
Harmer
Grave Creek (0.01)
Grave Creek (0.90)
Harmer Creek (0.12)
Sawmill Creek (0.05)
Unnamed South of Sawmill Creek (0.00)
Dry Creek - EVO (2.82)
Dry Creek - EVO (2.94)
Sixmile Creek (0.93)
Elk River (R10) (0.05)
Balmer Creek (0.01)
Fennelon Creek (0.00)
Feltham Creek (0.01)
Lindsay Creek (0.11)
Harmer Dump Seep
North Littlemoor Creek
Littlemoor Creek
Mansfield Creek
Hollow Creek
Dalzell Creek
Whiting Creek
West Alexander Creek

N

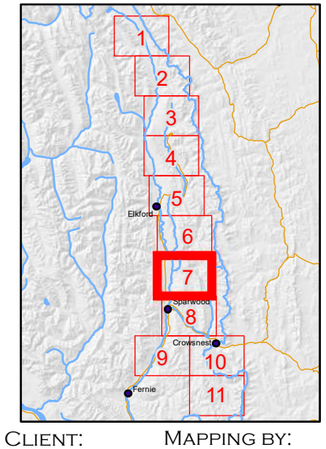
0 1 2 Kilometers
1:50,000

Exposed Stream
Mean Calcite Index Reach Score
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #8

653,000 660,000 5,515,000 5,510,000 5,505,000

Cummings Creek (0.05) Lindsay Creek (0.11) Elk Prairie CCR Seep Goddard Creek (2.14) (2.55) Natal Ridge Pit Rd 12 Seep Lagoon C Seep (0.46) Otto Creek Cossarini Creek Domestic Licence Erickson Ridge Erickson Creek West Fork EVO (0.08) Aqueduct Creek (0.00) Spring Creek (0.04) Qualteri Creek Michel Creek Elk River Elkview Sparwood (0.12) Site 18 Creek (2.97) Bodie Creek R3 Natal (2.62) Bodie Creek Natal West Highwall Gate Creek (1.61) South Gate Creek Stream 02 (0.02) (1.10) Thresher Creek Erickson Ridge Mount Erickson (0.42) (0.79) Crahan Creek Milligan Creek (1.33) South Pit (2.30) Erickson Creek (1.68) (2.92) (2.91) (2.57) Alexander Creek (0.41) Lower Alexander Creek Robert Creek Pit Creek

0 1 2 Kilometers

1:50,000

N

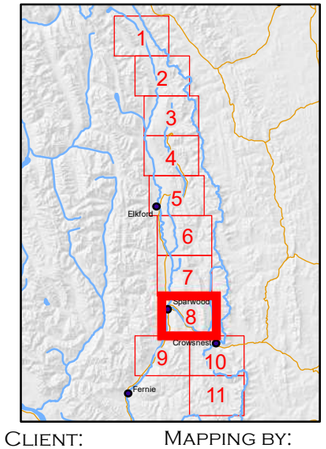
Exposed Stream
Mean Calcite Index Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

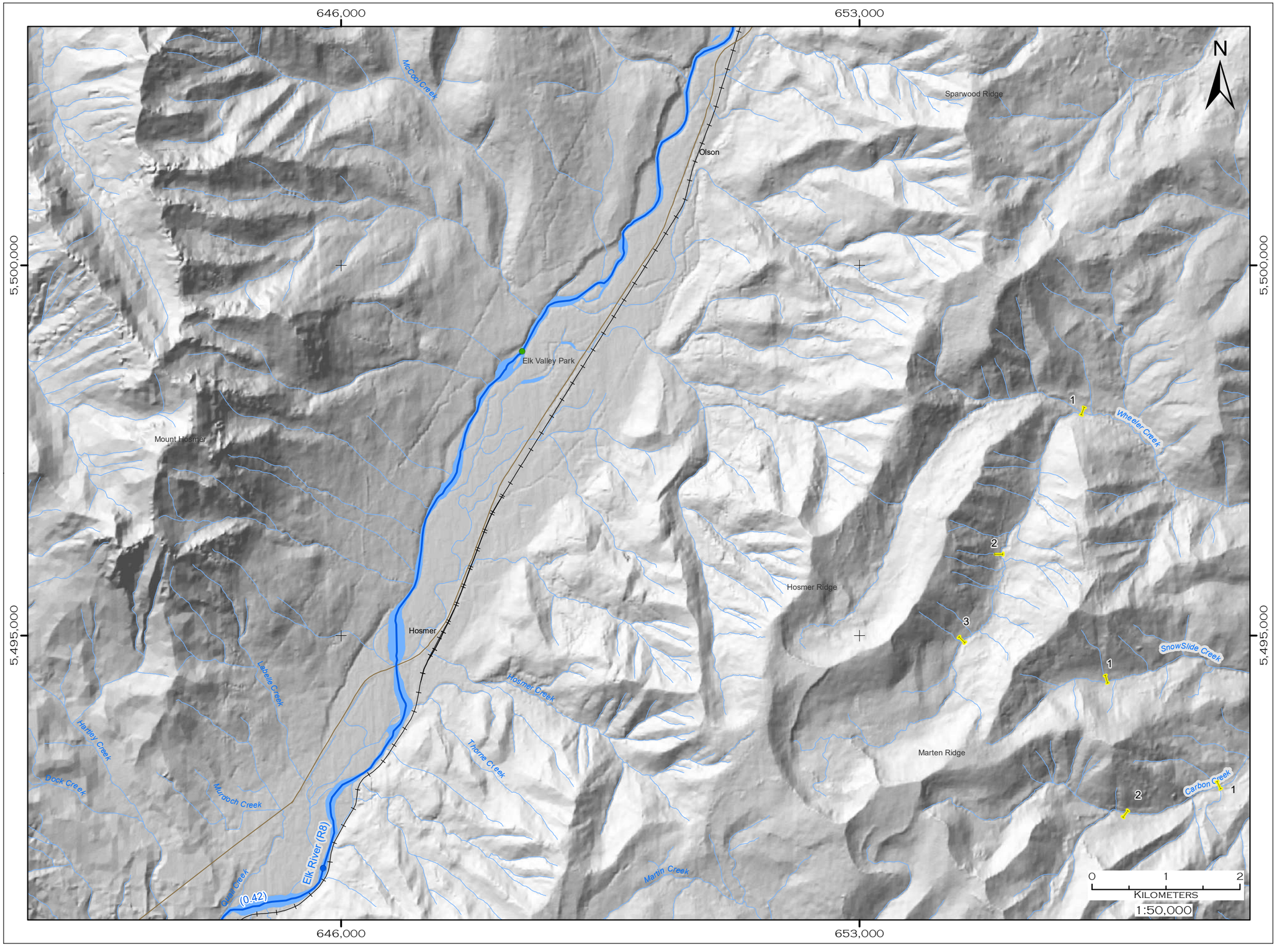
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #9



Exposed Stream
Mean Calcite Index Reach Score

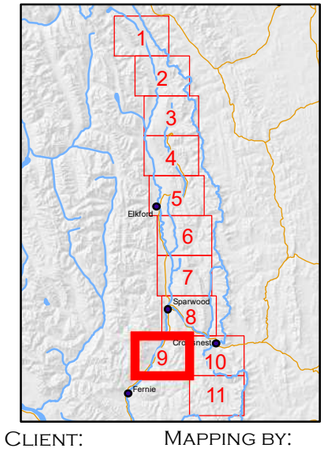
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

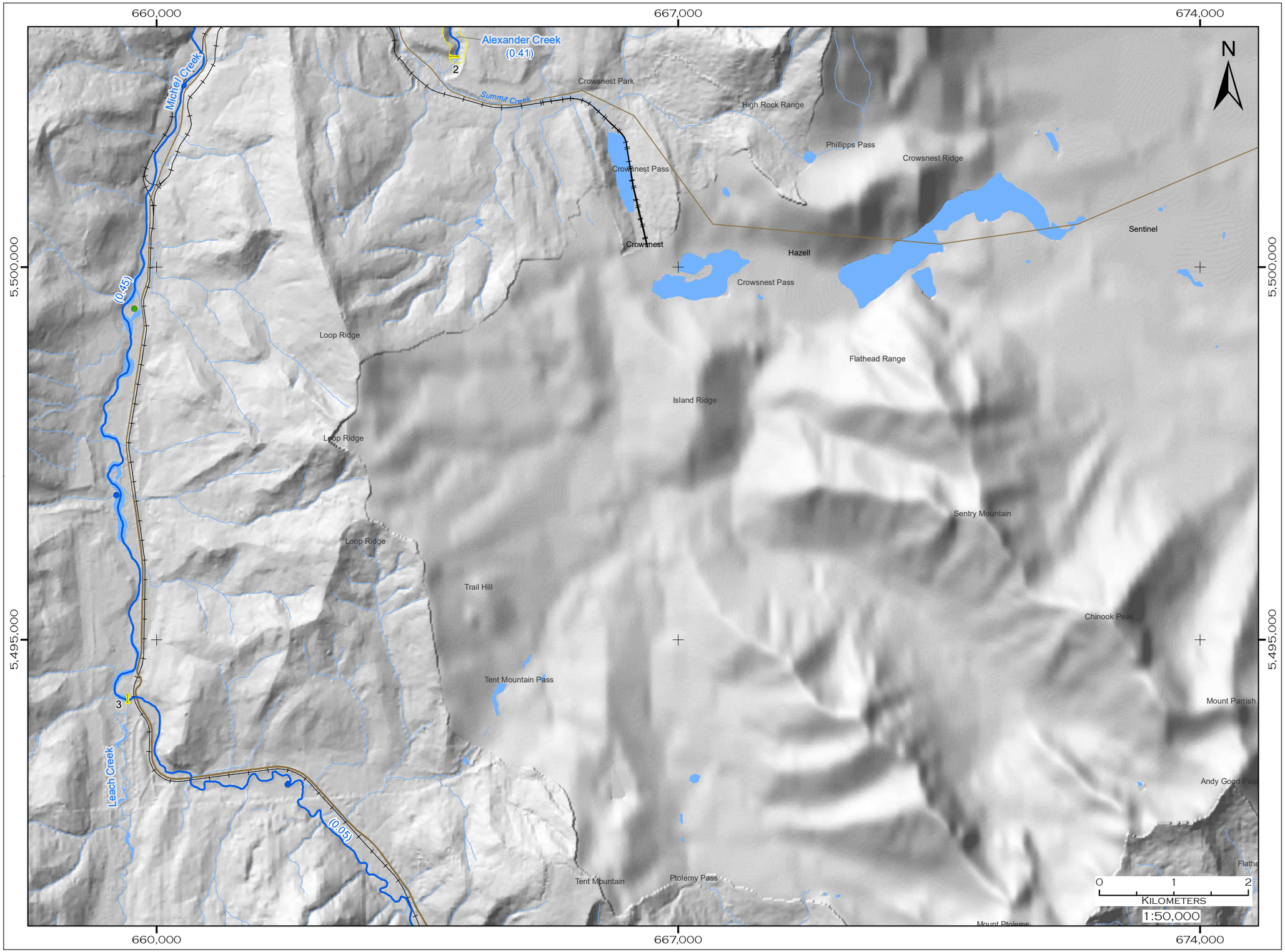
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #10



Exposed Stream
Mean Calcite Index Reach Score

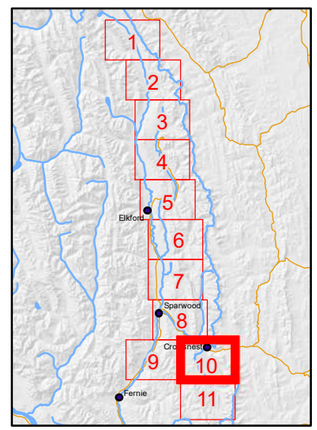
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

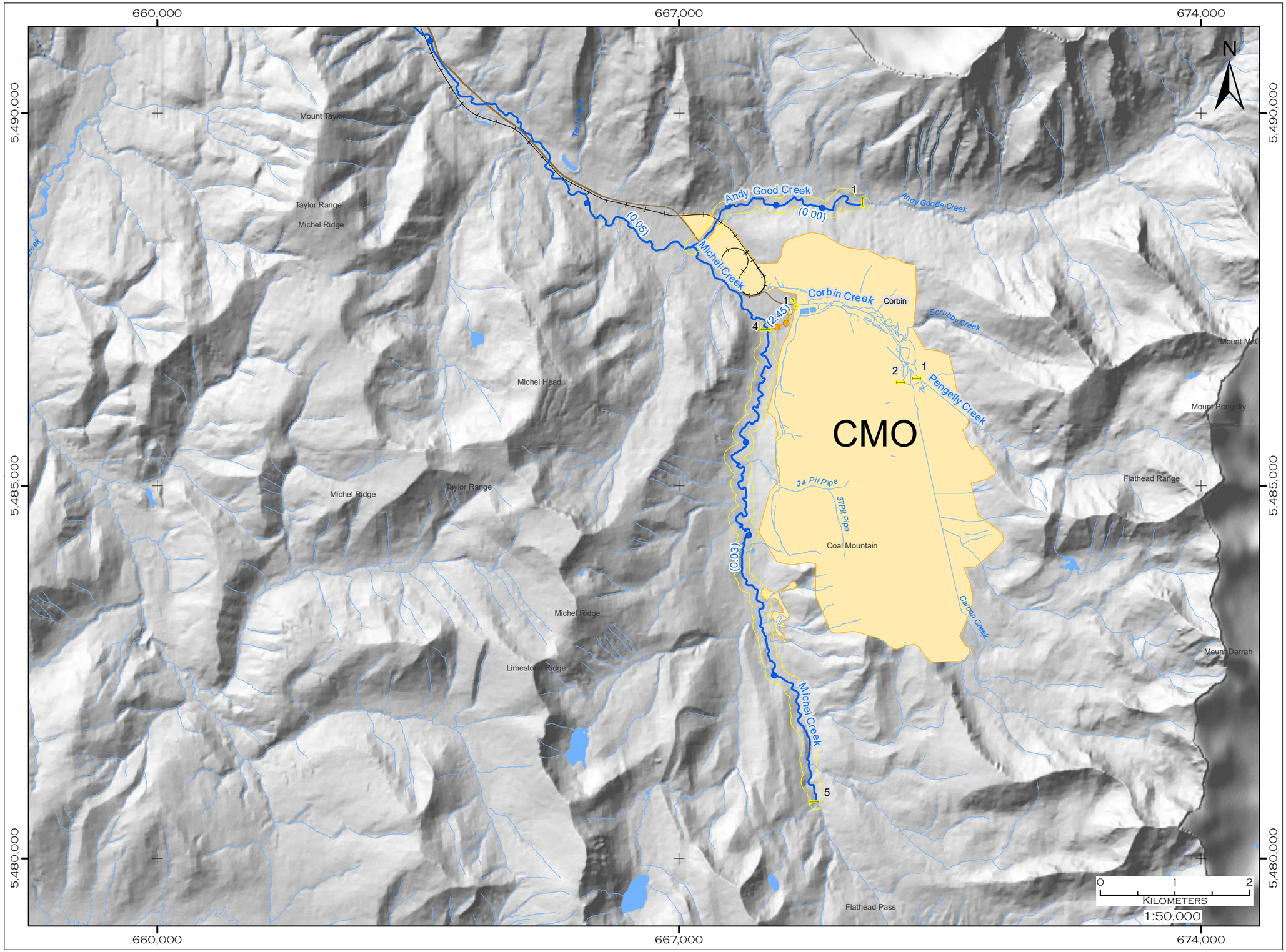
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Index

Elk Valley - Map #11

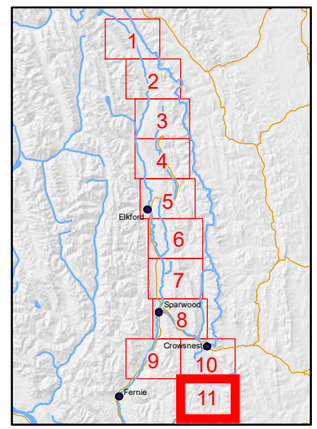


Exposed Stream
Mean Calcite Index Reach Score
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

Site
Calcite Index
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

Appendix 6. Reach calcite concretion distribution map.

639,000

646,000

5,595,000

5,590,000

N

Elk Range

Cultus Creek

Mount Odlum

Riverside Mountain

Abruzzi Creek

Cadorna Creek

Mount Loomis

Mount Bishop

15

Elk River (0.00)

0 1 2

KILOMETERS

1:50,000

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #1

Exposed Stream
Mean Calcite Concretion Reach Score

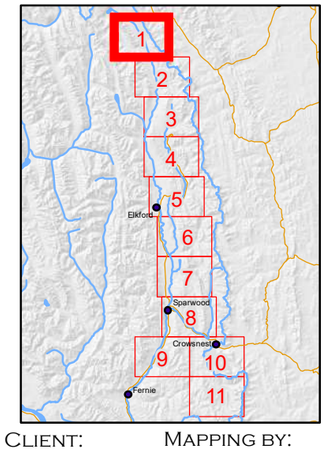
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client:

Mapping by:

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #2

646,000

653,000

5,585,000

5,580,000

N

Gardner Creek

(0.00)

Weary Creek

Elk River

Mount McPhail

Weary Creek Gap

Mount Muir

High Rock Range

Mount Straghan

Weary Ridge

Bleasdell Creek

Mount Bleasdell

14

Aldridge Creek

Mount Shankland

Mount Maclaren

Mount Veits

Mount Bolton

Fording Pass

Fording River Pass

0 1 2

KILOMETERS

1:50,000

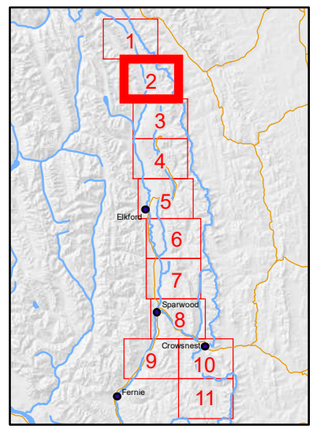
Exposed Stream
Mean Calcite Concretion Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #3

646,000 653,000 660,000

5,575,000 5,570,000 5,565,000

Abby Ridge
Mosquito Flats
Blaylock Creek
Leonard Creek
Devitt Creek
Miller Creek
Mount Tuxford
Courcelette Peak
Mount Cornwell
Baril Peak
Henretta Creek
Mount Ethelrington
Osborne Creek
Fording River
High Rock Range
Mount Strimger
Mount Holcroft
Britt Creek
Greenhills Range
Henretta Creek
McMillan Creek
Moore Creek
McQuarrie Creek
Turn Creek
Mount Turnbull
Mount Farquhar
Harold Creek
Clode Creek
Fish Pond Creek
Clode Pond Outlet (0.29)
Clode West Infiltration (0.00)
Grassy Creek (0.02)
FRO
12
3
2
1
11
4
(0.00)
(0.08)

0 1 2
Kilometers
1:50,000

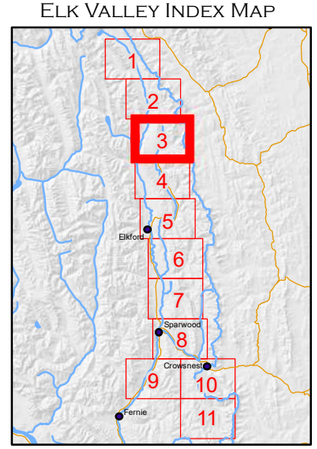
Exposed Stream
Mean Calcite Concretion Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

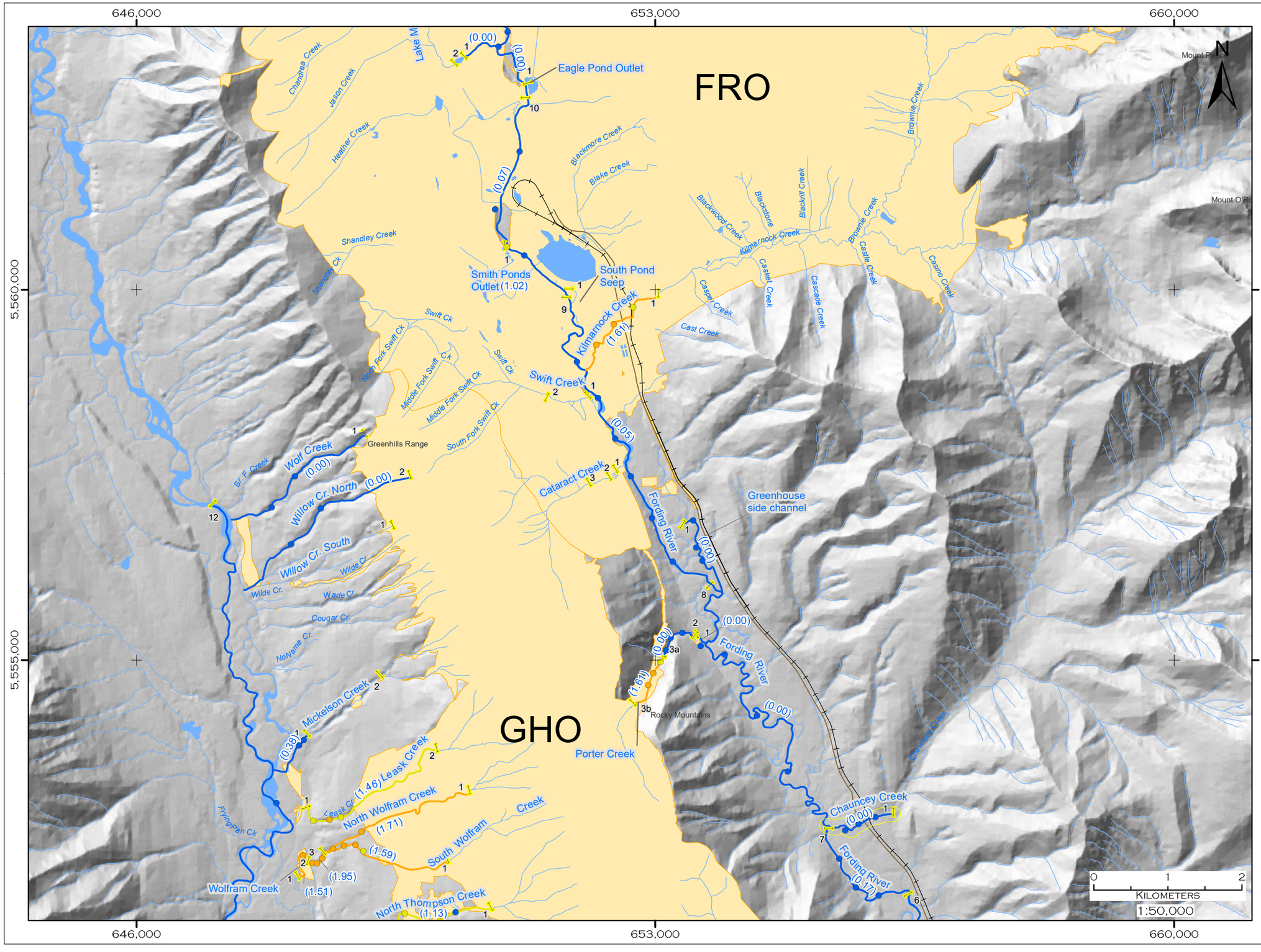
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #4



Exposed Stream
Mean Calcite Concretion Reach Score

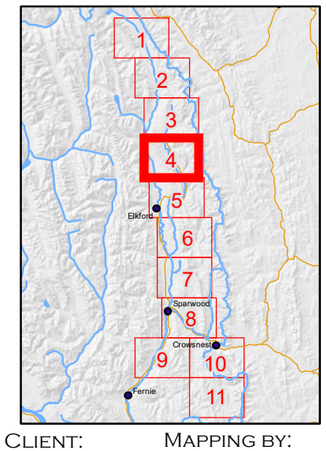
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

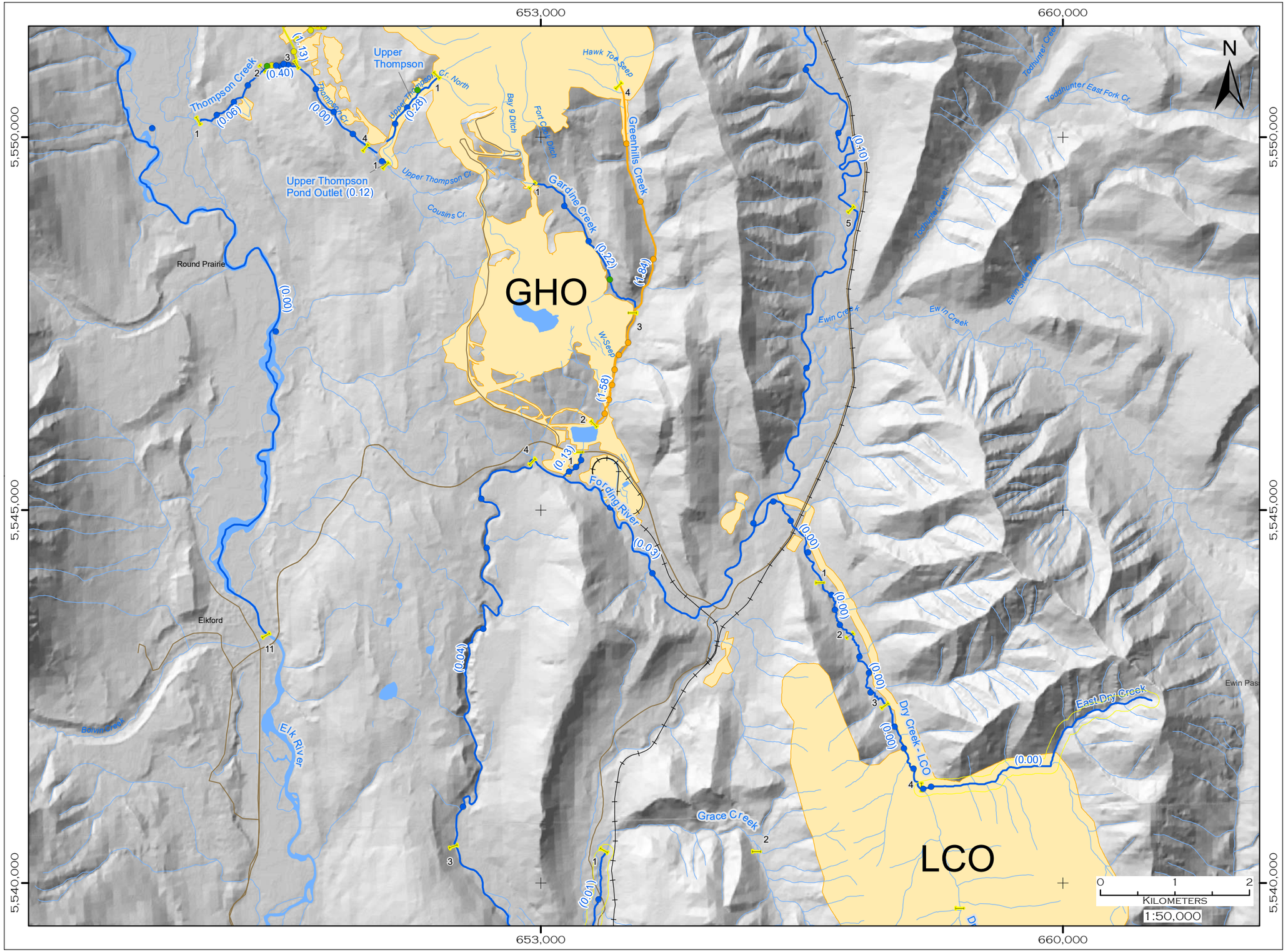
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #5



Exposed Stream
Mean Calcite Concretion Reach Score

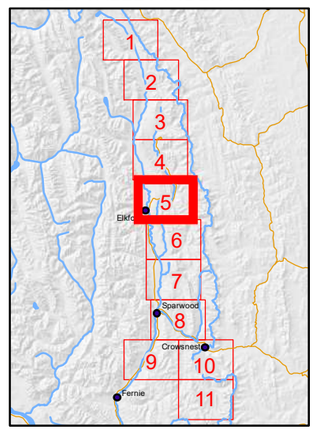
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #6

653,000 660,000 5,535,000 5,530,000

N

Grace Creek (0.01) Wisukitsak Range Fording Mountain Mount Lyne Grace Creek 3 Creek - LCO 7 6 LCO Horseshoe Ridge Elk River (0.22) Fording River 2 WLCb1 WLCb2 WLCb3 WLCb4a WLCb4b WLCb5 West Line Creek Line Creek Horseshoe Ridge 4 Contingency Pond Seep (0.00) 1 3 1 1 South Line Creek (0.00) 2 Contingency Pond Outlet Line Creek (0.00) 2 Wisukitsak Range Line Creek (0.01) South Line Creek Weigert Creek Fording River 1 (0.00) Line Creek 1 (0.00) 10 LCO

0 1 2 Kilometers

1:50,000

Exposed Stream
Mean Calcite Concretion Reach Score

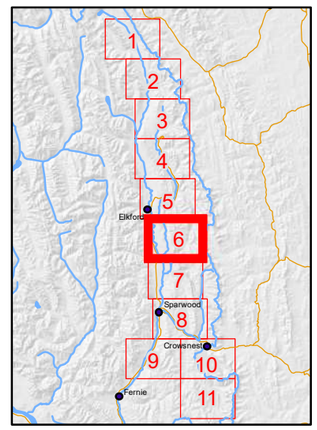
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #7

653,000 660,000

5,525,000 5,520,000

LCO

EVO

Mount Salter

Grave Lake

Sheep Mountain

Erickson Ridge

Natal Ridge

Harmer

Grave Creek (0.00)

Grave Creek (0.01)

Grave Creek (0.03)

Harmer Creek (0.00)

Sawmill Creek (0.00)

Unnamed South of Sawmill Creek (0.00)

Sixmile Creek (0.02)

Elk River (R10) (0.00)

Balmer Creek (0.00)

Fennelon Creek (0.00)

Feltham Creek (0.00)

Lindsay Creek (0.00)

Dry Creek - EVO (1.67) (1.82) (1.94)

West Alexander Creek

Harmer Dump Seep

North Littlemoor Creek

Littlemoor Creek

Mansfield Creek

Hollow Creek

Dalzell Creek

Whiting Creek

N

0 1 2 Kilometers

1:50,000

Exposed Stream
Mean Calcite Concretion Reach Score

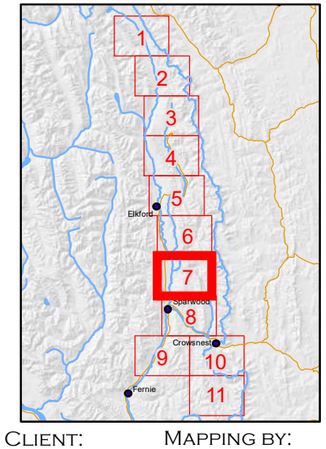
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #8

653,000 660,000 5,515,000 5,510,000 5,505,000

N

EVO

Natal Ridge

Erickson Ridge

Erickson Ridge
Mount Erickson

Elk Prairie

Elkview

Sparwood

Natal

Lindsay Creek (0.00)

CCR Seep (0.00)

Goddard Creek (1.64) (1.31)

Pit Rd 12 Seep

Lagoon C Seep (0.00) (0.00)

Otto Creek

Cossarini Creek

Domestic License

Aqueduct Creek (0.00)

Spring Creek (0.00)

Qualteri Creek

Michel Creek

Elk River (0.00)

Site 18 Creek (1.97)

Stream 02 (0.00) (0.45)

Bodie Creek R3 (1.63)

Bodie Creek

Natal West Highwall

Gate Creek (0.73)

South Gate Creek

Thresher Creek

Crahan Creek

Milligan Creek

South Pit

Michel Creek (0.51) (1.35) (1.92) (1.92) 1.62

Erickson Creek (0.78)

Erickson Creek

West Fork

Alexander Creek (0.00)

Alexander Creek

Lower Alexander Creek

Robert Creek

Fir Creek

0 1 2
Kilometers
1:50,000

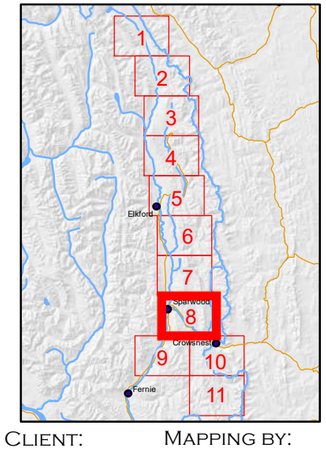
Exposed Stream
Mean Calcite Concretion Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #9

646,000 653,000

5,500,000 5,495,000

N

McCool Creek
Sparwood Ridge
Olson
(0.00)
Elk Valley Park
Mount Hosmer
Hosmer
Hosmer Ridge
Marten Ridge
Labelle Creek
Hosmer Creek
Thorne Creek
Harley Creek
Dock Creek
Murdoch Creek
Quar Creek
Elk River (R8)
Martin Creek
Wheeler Creek
SnowSlide Creek
Carbon Creek
1
2
3

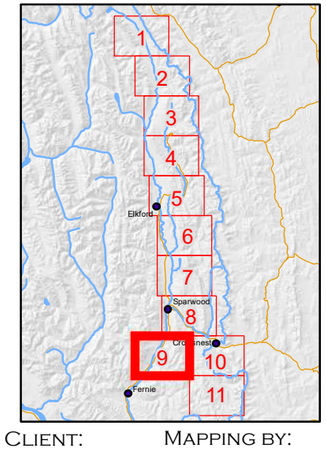
0 1 2
Kilometers
1:50,000

Exposed Stream
Mean Calcite Concretion Reach Score
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #10

660,000 667,000 674,000

5,500,000 5,495,000

N

Alexander Creek (0.00) 2

Michel Creek (0.00)

Summit Creek

Crowsnest Park

High Rock Range

Phillipps Pass

Crowsnest Ridge

Crowsnest Pass

Crowsnest

Hazell

Sentinel

Crowsnest Pass

Loop Ridge

Flathead Range

Island Ridge

Loop Ridge

Loop Ridge

Sentry Mountain

Trail Hill

Chinook Peak

Tent Mountain Pass

3

Leach Creek

Mount Parrish

Andy Good Peak

Tent Mountain

Ptolemy Pass

Mount Ptolemy

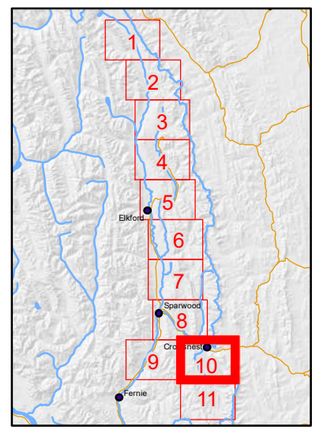
0 1 2
Kilometers
1:50,000

Exposed Stream
Mean Calcite Concretion Reach Score
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

2020 Regional Calcite Monitoring Program - Calcite Concretion

Elk Valley - Map #11

660,000 667,000 674,000

5,490,000 5,485,000 5,480,000

N

Mount Taylor
Taylor Range
Michel Ridge
Michel Head
Limestone Ridge
Flathead Range
Mount Darrah
Mount McG
Mount Pengelly
Coal Mountain
Flathead Pass
Corbin
Elkford
Sparwood
Crowsnest
Fernie

Andy Good Creek
Andy Goode Creek
Michel Creek
Corbin Creek
Scrubby Creek
Pengelly Creek
34 Pit Pipe
37 Pit Pipe
Carbon Creek
Taul Creek

(0.00)
(1.51)

CMO

0 1 2
Kilometers
1:50,000

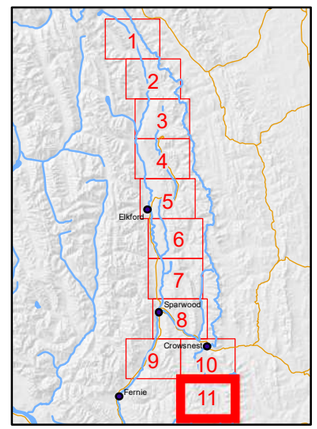
Exposed Stream
Mean Calcite Concretion Reach Score

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00

Site
Calcite Concretion

- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- Reference Stream
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 14, 2021

Appendix 7. Regional reaches, RAEMP/LAEMP sites, and Spawning suitability site maps.

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #1

649,000 650,500 652,000

5,565,500 5,564,000

N

FRO

Fish Pond Creek_1 to 7
Fish Pond Creek_4 to 16
Fish Pond Creek_11 to 23

F.PON1

RG_FC1

RG_FOUCL-2

COUT1

Clode Creek_1-5

RG_CLODE

CLOW1

RG_WED-1
RG_WED-2
RG_WED-3

FORD11

Fording River_4 to 10

Harold Creek

Jason Creek

Clode Creek

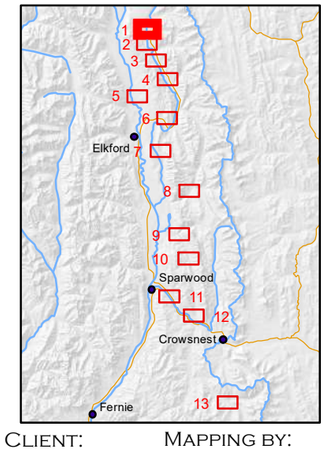
Turn Creek

Fording River

0 250 500
Meters
1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #2

649,000 650,500 652,000

5,562,500 5,561,000

N

Heather Creek

FORD10

Blake Creek

Blackmore Creek

FRO

RG_FOUSH-3

RG_FOUSH-2

Shandley Creek

9

Fording River

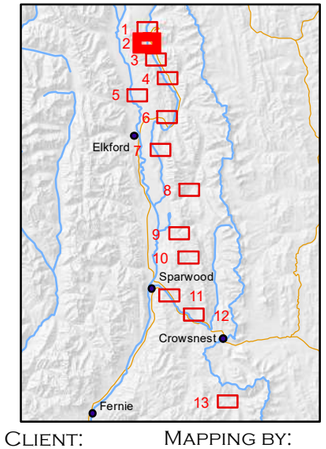
0 250 500

Meters

1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

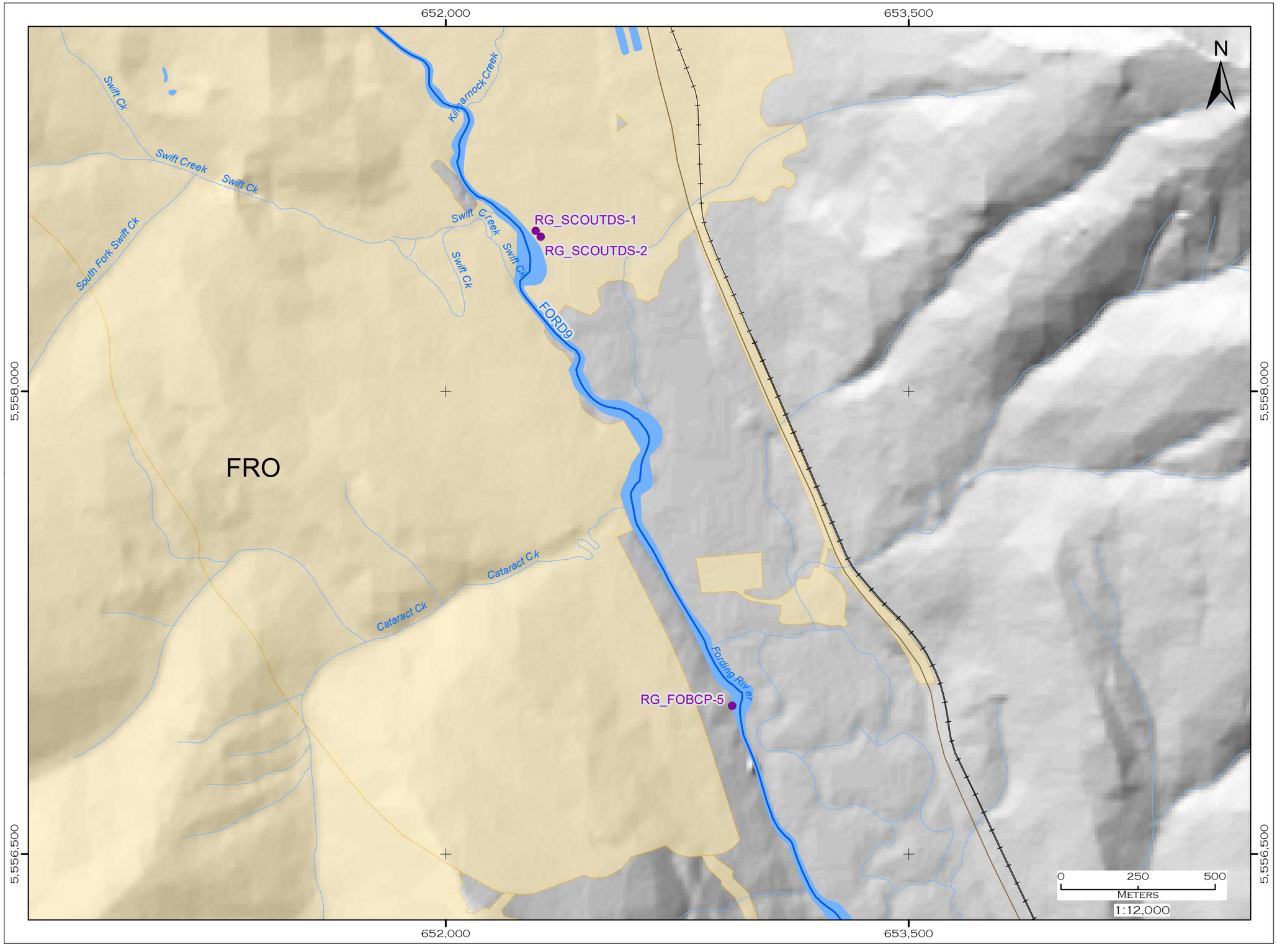
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

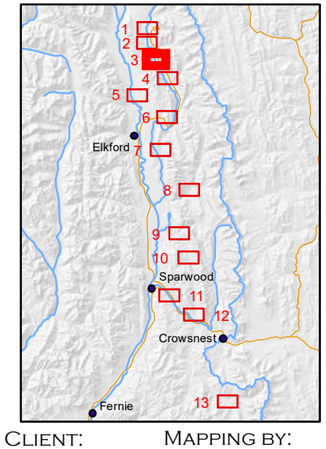
2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #3



- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #4

653,500 655,000 656,500

5,555,000 5,553,500

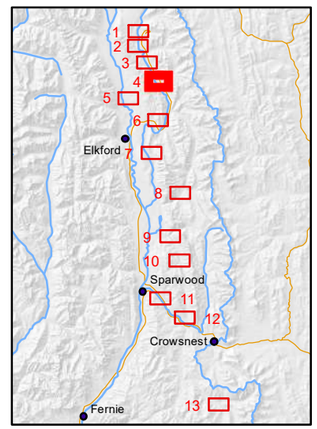
N

RG_FODPO-1
RG_FODPO-2
Porter Cr
Fording River
FORD8
RG_FO22-5
RG_CHCK-2
RG_CHCK-1
RG_CHCK-3
CHAU1
Chauncey Creek
1
7
GHO

0 250 500
Meters
1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

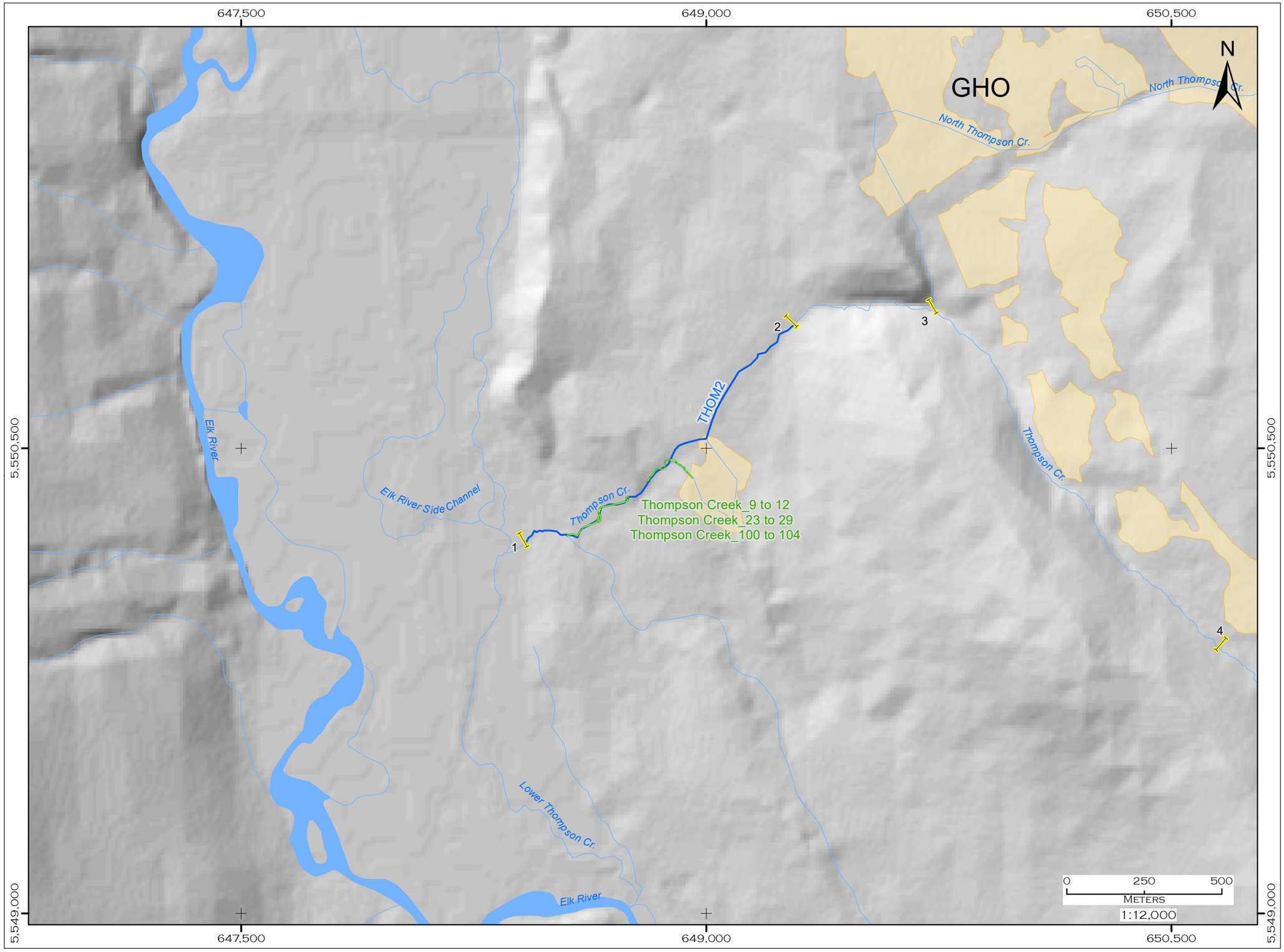
Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

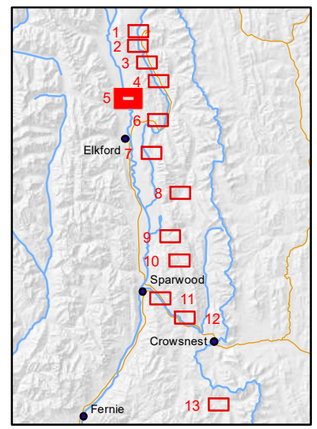
2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #5



- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #6

653,500 655,000 656,500

5,546,000

N

GHO

W-Seep

Site C Rock Drain

Site D Rock Drain

Greenhills Cr

GREE3

Upper Greenhills Creek_10 to 17
Upper Greenhills Creek_17 to 32
Upper Greenhills Creek_31 to 44
Upper Greenhills Creek_31 to 45

RG_FODEW-1

RG_FODEW-2

2

Greenhills Cr

1

RG_GHCKD

GREE1

Fording River

FORD5

Lower Greenhills Creek_1 to 24
Lower Greenhills Creek_10 to 33
Lower Greenhills Creek_28 to 42

Fording River

FORD5

Fording River

Dry Creek (LCO)_43 to 48
Dry Creek (LCO)_59 and 60

DRYL1

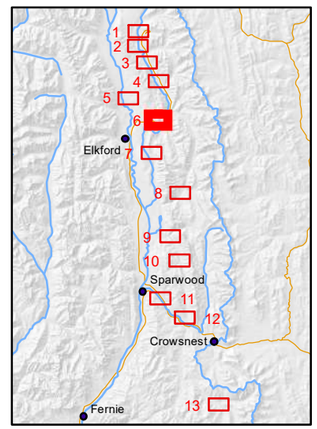
LCO

0 250 500
Meters
1:12,000

653,500 655,000 656,500

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #7

652,000 653,500 655,000

5,540,000 5,538,500

N

3 1

Grace Creek

Fording River

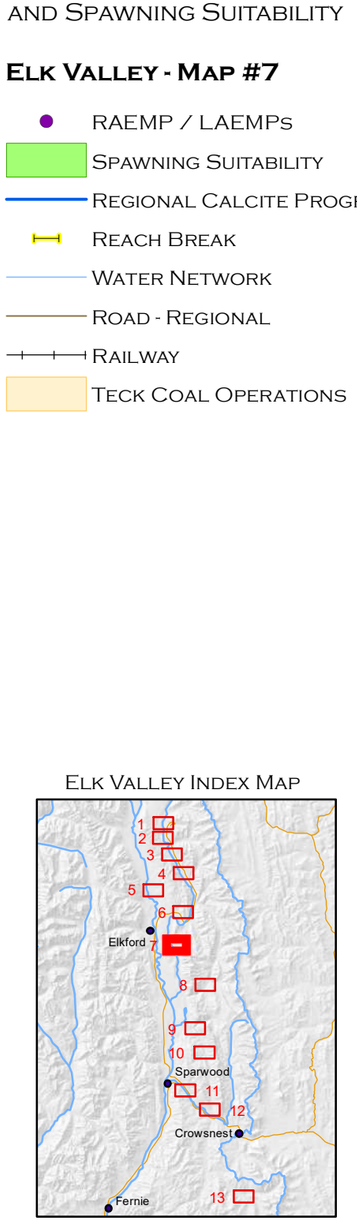
Grace Creek_6 to 32

GRAC1

0 250 500
Meters
1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

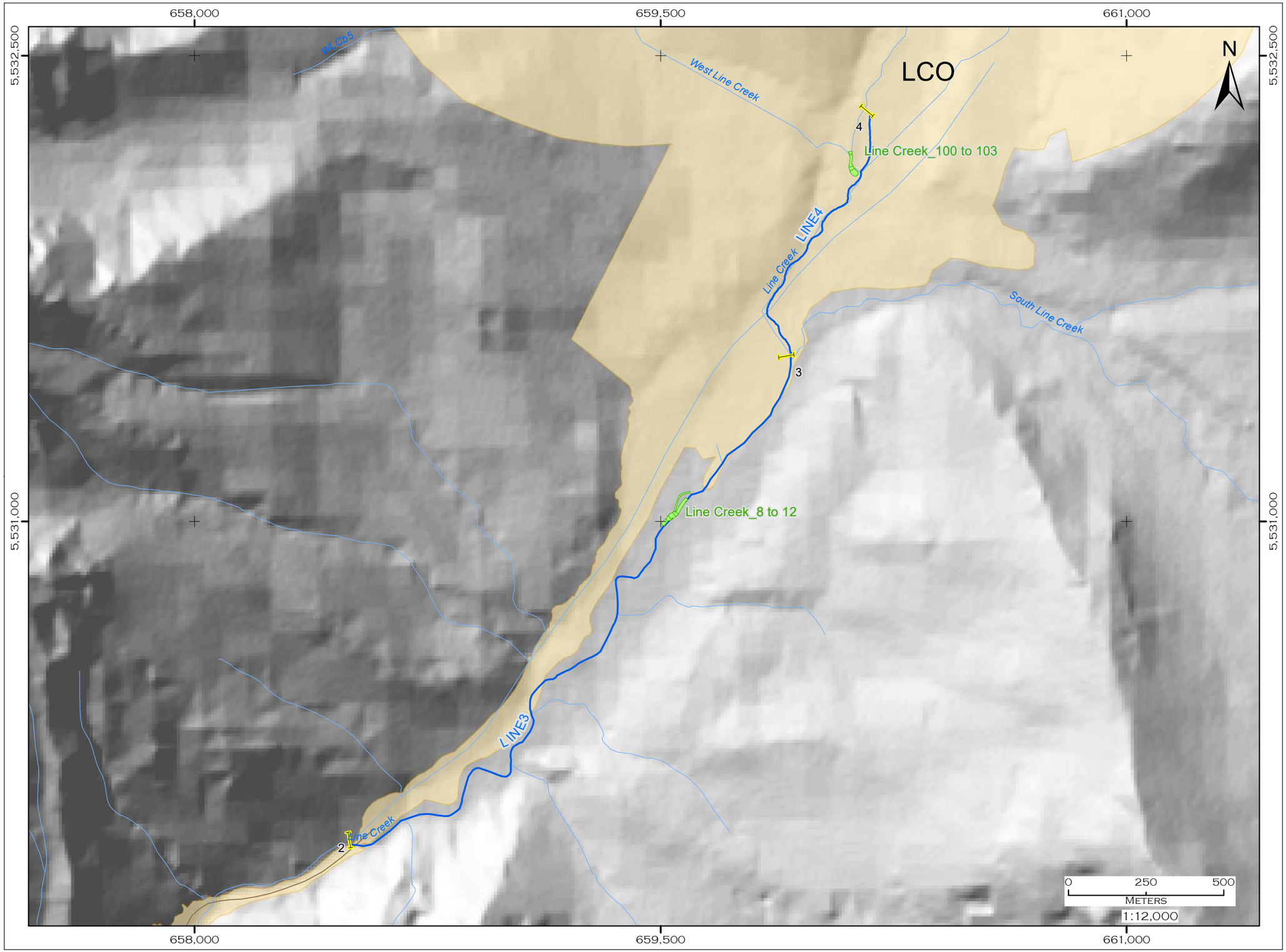
Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

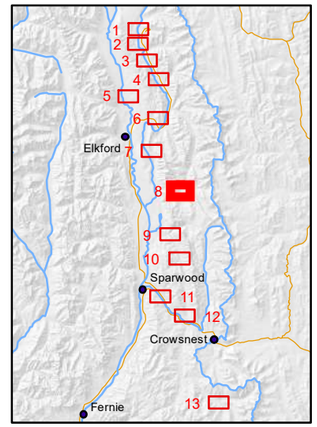
2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #8



- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #9

656,500

658,000

5,523,500

5,522,000

N

GRAV3 Grave Creek

Grave Creek_6 to 17

EVO

RG_HACKDS-5

RG_HACKDS-4

RG_HACKDS-1

RG_HACKDS-2

RG_HACKDS-3

HARM1

1

2

2

Harmer Creek_48 to 50

HAR M3 Harmer Creek

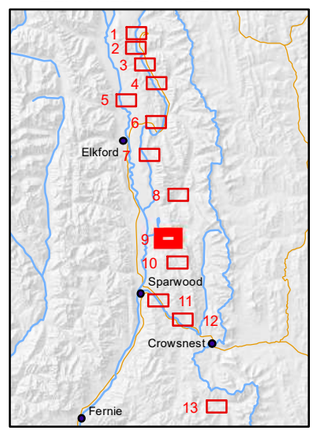
0 250 500

Meters

1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: LOTIC Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #10

658,000 659,500 661,000

5,517,500 5,516,000

N

Harmer Creek

Dry Creek (EVO)_1 to 12
Dry Creek (EVO)_16 to 35
Dry Creek (EVO)_29 to 40
Dry Creek (EVO)_37 to 40

DRYE3

Dry Creek

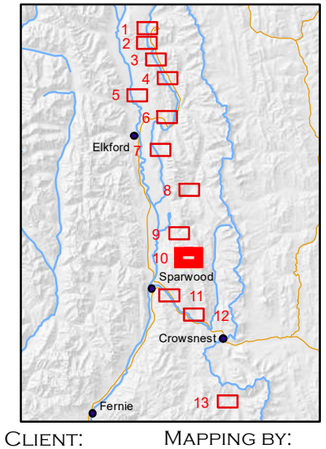
EVO

1 2 3 4 5

0 250 500
Meters
1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

653,500
655,000
656,500
5,510,000
5,508,500

N

7 Seam Ditch
Bodie Creek
Bodie Creek
Natal West Highwall
EVO
Gate Creek
Michel Creek
Gate Creek
South Gate Creek
South Gate Creek

BODI1
RG_BOCK

1
2
3

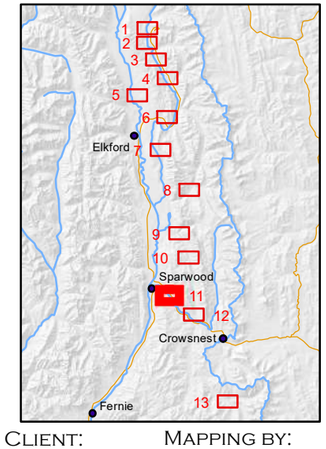
0 250 500
METERS
1:12,000

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #11

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #12

659,500 661,000

5,507,000 5,505,500

N

EVO

Milligan Creek

Old Erickson Diversion Ditch

Milligan Creek

Michel Creek

South Pit Creek

Erickson Creek

ERIC4

ERIC1

RG_ERCKDT-1

RG_ERCKDT-2

RG_ERCKDT-3

RG_ERCK

4

3

2

1

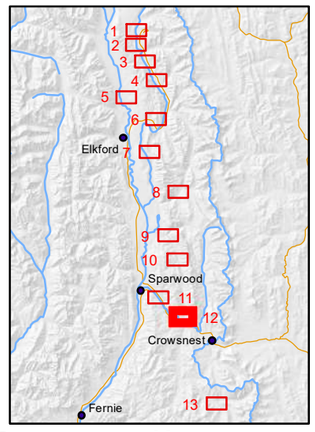
2

Alexander Creek

0 250 500
Meters
1:12,000

- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

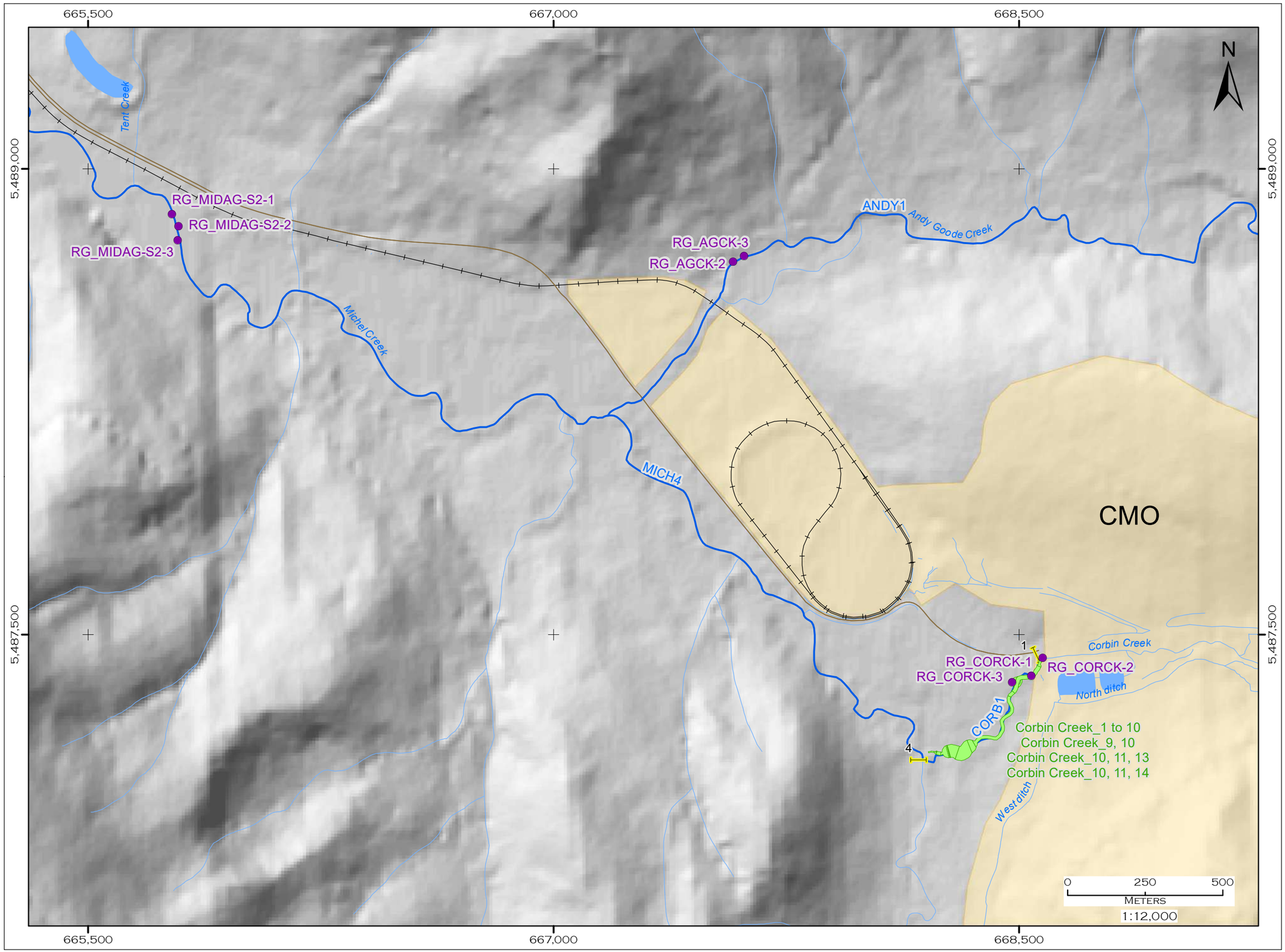
Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

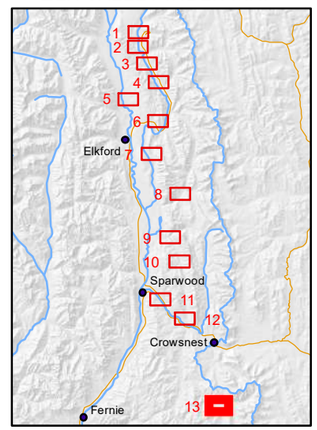
2020 Interprogram Comparison - Regional Program, RAEMP/LAEMPs and Spawning Suitability

Elk Valley - Map #13



- RAEMP / LAEMPs
- Spawning Suitability
- Regional Calcite Program
- Reach Break
- Water Network
- Road - Regional
- Railway
- Teck Coal Operations

Elk Valley Index Map



Client: Teck

Mapping by: Lotic Environmental

Data Sources:
- Teck Coal Operations - Teck (2020)
- Stream / River - Teck Water Network
- Road - Teck Transportation
- Rail - NRWN GeoBase
- Hillshade - Teck

Date Last Revised: April 8, 2021

Appendix 8. Attendees at the 2020 calcite training workshop.

Workshop 1 - July 29 and 30	
Employee	**Company**
Mike Robinson (host)	Lotic
Scott Gordon	Lotic
Nicole Zathey	Lotic
Marc Giorgini	Minnow
Maddy Stokes	Minnow
Morgan Hocking	Ecofish
Stephanie Whyte	Ecofish
Aidan Wilson	Ecofish
Mike Marquardson	Ecofish
Workshop 2 - September 9	
Employee	**Company**
Mike Robinson (host)	Lotic
Peter Schnurr	Minnow
Katharina Batchelar	Minnow
Dave Hasek	Minnow
Amy Wiebe	Minnow
Meghan Carr	Minnow
Emily Hulley	Minnow
Chad Apol	Minnow
Jess Tester	Minnow
Lotic Internal Training - September 21	
Employee	**Company**
Mike Robinson (host)	Lotic
Rick Smit	Lotic
Scott Gordon	Lotic
Mia Otto	Lotic

Appendix 9. Calcite index, calcite presence, and calcite concretion for all reaches from 2013-2020.

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Reference	Alexander	ALEX3	3	0.08	0.40	0.48
Tributary	2013	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Aqueduct	AQUE2	2	0.00	0.00	0.00
Tributary	2013	Exposed	Aqueduct	AQUE3	3	0.00	0.00	0.00
Tributary	2013	Exposed	Balmer	BALM1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Bodie	BODI1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Bodie	BODI2	1	0.00	0.06	0.06
Tributary	2013	Exposed	Bodie	BODI3	3	0.51	0.65	1.16
Tributary	2013	Exposed	CCR Seep	CSEE1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Cataract	CATA1	1	2.00	1.00	3.00
Tributary	2013	Exposed	Cataract	CATA2	3	0.89	1.00	1.89
Tributary	2013	Exposed	Cataract	CATA3	2	2.00	1.00	3.00
Tributary	2013	Reference	Chauncey	CHAU1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Clode Outlet	COUT1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Contingency Pond Outlet	CPOU1	1	0.00	0.93	0.93
Tributary	2013	Exposed	Contingency Pond Seep	CPOS1	1	0.00	0.92	0.92
Tributary	2013	Exposed	Corbin	CORB1	3	0.99	0.97	1.95
Tributary	2013	Exposed	Corbin	CORB2	3	1.74	0.98	2.72
Tributary	2013	Exposed	Dry - EVO	DRYE1	1	1.38	0.85	2.23
Tributary	2013	Exposed	Dry - EVO	DRYE2	1	1.38	0.85	2.23
Tributary	2013	Exposed	Dry - EVO	DRYE3	3	1.35	0.85	2.20
Tributary	2013	Exposed	Dry - EVO	DRYE4	3	0.68	0.75	1.42
Tributary	2013	Reference	Dry - LCO	DRYL1	3	0.00	0.00	0.00
Tributary	2013	Reference	Dry - LCO	DRYL2	3	0.00	0.00	0.00
Tributary	2013	Reference	Dry - LCO	DRYL3	3	0.00	0.00	0.00
Tributary	2013	Reference	Dry - LCO	DRYL4	3	0.00	0.00	0.00
Tributary	2013	Reference	Dry - LCO	DRYL5	3	0.00	0.00	0.00
Tributary	2013	Reference	Dry - LCO	DRYL6	3	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Eagle Pond Outlet	EPOU1	1	0.90	1.00	1.90
Mainstem	2013	Exposed	Elk	ELKR10	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Elk	ELKR11	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2013	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Elk	ELKR8	3	0.00	0.40	0.40
Mainstem	2013	Exposed	Elk	ELKR9	3	0.00	0.00	0.00
Tributary	2013	Exposed	Erickson	ERIC1	2	1.30	0.99	2.29
Tributary	2013	Exposed	Erickson	ERIC2	1	0.90	0.88	1.78
Tributary	2013	Exposed	Erickson	ERIC3	1	1.40	0.96	2.36
Tributary	2013	Exposed	Erickson	ERIC4	3	0.09	0.53	0.62
Tributary	2013	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Fennelon	FENN1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Fish Pond	FPON1	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD1	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD10	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD11	3	0.00	0.00	0.00
Mainstem	2013	Reference	Fording	FORD12	2	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD2	1	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD3	2	0.00	0.00	0.00
Mainstem	2013	Exposed	Fording	FORD5	3	0.00	0.32	0.32
Mainstem	2013	Exposed	Fording	FORD6	3	0.06	0.68	0.74
Mainstem	2013	Exposed	Fording	FORD7	3	0.03	0.40	0.43
Mainstem	2013	Exposed	Fording	FORD8	3	0.01	0.30	0.31
Mainstem	2013	Exposed	Fording	FORD9	3	0.00	0.00	0.00
Tributary	2013	Exposed	Gardine	GARD1	3	0.00	0.29	0.29
Tributary	2013	Exposed	Gate	GATE1	1	0.00	0.05	0.05
Tributary	2013	Exposed	Gate	GATE2	1	0.03	0.26	0.29
Tributary	2013	Exposed	Goddard	GODD1	1	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Goddard	GODD2	3	0.00	0.00	0.00
Tributary	2013	Exposed	Goddard	GODD3	3	0.00	0.00	0.00
Tributary	2013	Reference	Grace	GRAC1	3	0.02	0.29	0.31
Tributary	2013	Reference	Grace	GRAC2	3	0.01	0.15	0.15
Tributary	2013	Exposed	Grassy	GRAS1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Grave	GRAV1	3	0.00	0.54	0.54
Tributary	2013	Exposed	Grave	GRAV2	3	0.00	0.23	0.23
Tributary	2013	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2013	Exposed	Greenhills	GREE1	3	0.01	0.35	0.35
Tributary	2013	Exposed	Greenhills	GREE2	1	0.00	0.60	0.60
Tributary	2013	Exposed	Greenhills	GREE3	3	0.47	0.83	1.30
Tributary	2013	Exposed	Greenhills	GREE4	3	0.83	0.79	1.62
Tributary	2013	Exposed	Harmer	HARM1	3	0.00	0.58	0.58
Tributary	2013	Exposed	Harmer	HARM2	2	0.00	0.17	0.17
Tributary	2013	Exposed	Harmer	HARM3	3	0.00	0.15	0.15
Tributary	2013	Exposed	Harmer	HARM4	3	0.01	0.16	0.17
Tributary	2013	Exposed	Harmer	HARM5	3	0.00	0.19	0.19
Tributary	2013	Exposed	Harmer Dump Seep	HDSE1	1	0.03	0.49	0.52
Tributary	2013	Exposed	Henretta	HENR1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Henretta	HENR2	3	0.00	0.00	0.00
Tributary	2013	Reference	Henretta	HENR3	2	0.00	0.00	0.00
Tributary	2013	Exposed	Kilmamock	KILM1	2	1.33	0.83	2.16
Tributary	2013	Exposed	Lagoon C Seep	LCSE1	1	0.00	0.39	0.39
Tributary	2013	Exposed	Lake Mountain	LMOU1	3	0.00	0.00	0.00
Tributary	2013	Exposed	Lake Mountain	LMOU2	1	0.00	0.00	0.00
Tributary	2013	Exposed	Lake Mountain	LMOU3	3	0.00	0.00	0.00
Tributary	2013	Exposed	Lake Mountain	LMOU4	3	0.00	0.00	0.00
Tributary	2013	Exposed	Leask	LEAS1	3	0.00	0.03	0.03
Tributary	2013	Exposed	Leask	LEAS2	3	0.00	0.13	0.13

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Lindsay	LIND1	3	0.00	0.19	0.19
Tributary	2013	Exposed	Line	LINE1	3	0.00	0.27	0.27
Tributary	2013	Exposed	Line	LINE2	3	0.00	0.00	0.00
Tributary	2013	Exposed	Line	LINE3	3	0.00	0.00	0.00
Tributary	2013	Exposed	Line	LINE4	3	0.00	0.40	0.40
Tributary	2013	Reference	Line	LINE7	3	0.00	0.00	0.00
Mainstem	2013	Exposed	Michel	MICH1	3	0.00	0.31	0.31
Mainstem	2013	Exposed	Michel	MICH2	3	0.00	0.05	0.05
Mainstem	2013	Exposed	Michel	MICH3	2	0.00	0.00	0.00
Mainstem	2013	Exposed	Michel	MICH4	3	0.00	0.00	0.00
Mainstem	2013	Reference	Michel	MICH5	3	0.00	0.00	0.00
Tributary	2013	Exposed	Mickelson	MICK1	3	0.00	0.01	0.01
Tributary	2013	Exposed	Mickelson	MICK2	3	0.00	0.05	0.05
Tributary	2013	Exposed	Milligan	MILL1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Milligan	MILL2	1	0.00	0.00	0.00
Tributary	2013	Exposed	North Thompson	NTHO1	3	0.50	0.74	1.24
Tributary	2013	Exposed	North Wolfram	NWOL1	3	0.25	0.45	0.70
Tributary	2013	Exposed	Otto	OTTO1	1	0.00	0.30	0.30
Tributary	2013	Exposed	Otto	OTTO2	3	0.00	0.03	0.03
Tributary	2013	Exposed	Otto	OTTO3	3	0.01	0.01	0.02
Tributary	2013	Exposed	Pengelly	PENG1	2	0.00	0.09	0.09
Tributary	2013	Exposed	Pit Road 12 Seep	P12S1	2	0.00	0.00	0.00
Tributary	2013	Exposed	Porter	PORT1	1	0.14	0.78	0.92
Tributary	2013	Exposed	Porter	PORT2	1	0.06	0.05	0.11
Tributary	2013	Exposed	Porter	PORT3a	3	1.41	0.92	2.33
Tributary	2013	Exposed	Porter	PORT3b	3	2.00	1.00	3.00
Tributary	2013	Exposed	Qualteri	QUAL1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Sawmill	SAWM1	2	0.00	0.00	0.00
Tributary	2013	Exposed	Sawmill	SAWM2	2	0.00	0.38	0.38

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Sixmile	SIXM1	3	0.00	0.80	0.80
Tributary	2013	Exposed	Sixmile	SIXM2	3	0.00	0.00	0.00
Tributary	2013	Exposed	Smith Ponds Outlet	SPOU1	1	1.72	0.89	2.61
Tributary	2013	Reference	South Line	SLIN2	3	0.00	0.00	0.00
Tributary	2013	Exposed	South Pit	SPIT1	3	0.00	0.00	0.00
Tributary	2013	Exposed	South Pit	SPIT2	3	0.01	0.02	0.03
Tributary	2013	Exposed	South Pond Seep	SPSE1	1	0.00	0.00	0.00
Tributary	2013	Exposed	South Wolfram	SWOL1	3	1.00	0.97	1.97
Tributary	2013	Exposed	Spring	SPRI1	1	0.00	0.20	0.20
Tributary	2013	Exposed	Swift	SWIF1	1	1.71	0.87	2.58
Tributary	2013	Exposed	Swift	SWIF2	2	0.00	0.00	0.00
Tributary	2013	Exposed	Thompson	THOM1	1	0.00	0.00	0.00
Tributary	2013	Exposed	Thompson	THOM2	3	0.01	0.07	0.08
Tributary	2013	Exposed	Thompson	THOM3	3	0.00	0.00	0.00
Tributary	2013	Exposed	Thresher	THRE1	2	0.00	0.00	0.00
Tributary	2013	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2013	Exposed	Wolfram	WOLF2	1	0.02	0.25	0.27
Tributary	2013	Exposed	Wolfram	WOLF3	3	1.93	1.00	2.93
Tributary	2014	Reference	Alexander	ALEX3	3	0.05	0.33	0.38
Tributary	2014	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2014	Exposed	Aqueduct	AQUE2	2	0.00	0.00	0.00
Tributary	2014	Exposed	Aqueduct	AQUE3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Balmer	BALM1	1	0.00	0.00	0.00
Tributary	2014	Exposed	Bodie	BODI1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Bodie	BODI2	1	0.00	0.00	0.00
Tributary	2014	Exposed	Bodie	BODI3	3	1.51	0.96	2.47
Tributary	2014	Exposed	CCR Seep	CSEE1	1	0.00	0.00	0.00
Tributary	2014	Reference	Carbon	CARB1	3	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Reference	Carbon	CARB2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Cataract	CATA1	1	2.00	1.00	3.00
Tributary	2014	Exposed	Cataract	CATA2	3	0.37	0.27	0.64
Tributary	2014	Exposed	Cataract	CATA3	2	1.76	0.88	2.64
Tributary	2014	Reference	Chauncey	CHAU1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Clode Pond Outlet	COUT1	1	0.36	0.65	1.01
Tributary	2014	Exposed	Clode West Infiltration	CLOW1	2	0.00	0.18	0.18
Tributary	2014	Exposed	Contingency Pond Outlet	CPOU1	1	0.00	0.94	0.94
Tributary	2014	Exposed	Contingency Pond Seep	CPOS1	1	0.00	0.84	0.84
Tributary	2014	Exposed	Corbin	CORB1	3	0.84	0.86	1.71
Tributary	2014	Exposed	Corbin	CORB2	3	1.68	1.00	2.68
Tributary	2014	Exposed	Dry (EVO)	DRYE1	1	1.16	0.97	2.13
Tributary	2014	Exposed	Dry (EVO)	DRYE2	1	0.00	0.03	0.03
Tributary	2014	Exposed	Dry (EVO)	DRYE3	3	1.59	0.81	2.40
Tributary	2014	Exposed	Dry (EVO)	DRYE4	1	1.22	0.62	1.84
Tributary	2014	Reference	Dry (LCO)	DRYL1	3	0.00	0.00	0.00
Tributary	2014	Reference	Dry (LCO)	DRYL2	3	0.00	0.00	0.00
Tributary	2014	Reference	Dry (LCO)	DRYL3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Eagle Pond Outlet	EPOU1	1	0.73	0.58	1.31
Mainstem	2014	Exposed	Elk	ELKR10	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Elk	ELKR11	2	0.00	0.00	0.00
Mainstem	2014	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2014	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Elk	ELKR8	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Elk	ELKR9	3	0.00	0.00	0.00
Tributary	2014	Exposed	Erickson	ERIC1	2	1.61	0.98	2.59
Tributary	2014	Exposed	Erickson	ERIC2	1	1.35	0.92	2.27
Tributary	2014	Exposed	Erickson	ERIC3	1	1.60	1.00	2.60
Tributary	2014	Exposed	Erickson	ERIC4	3	0.44	0.83	1.28

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Fennelon	FENN1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Fish Pond	FPON1	3	0.00	0.03	0.03
Mainstem	2014	Exposed	Fording	FORD1	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Fording	FORD10	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Fording	FORD11	3	0.00	0.00	0.00
Mainstem	2014	Reference	Fording	FORD12	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Fording	FORD2	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Fording	FORD3	3	0.00	0.01	0.01
Mainstem	2014	Exposed	Fording	FORD4	3	0.00	0.05	0.05
Mainstem	2014	Exposed	Fording	FORD5	3	0.07	0.28	0.35
Mainstem	2014	Exposed	Fording	FORD6	3	0.10	0.33	0.43
Mainstem	2014	Exposed	Fording	FORD7	3	0.37	0.60	0.97
Mainstem	2014	Exposed	Fording	FORD8	3	0.05	0.44	0.49
Mainstem	2014	Exposed	Fording	FORD9	3	0.00	0.00	0.00
Tributary	2014	Exposed	Gardine	GARD1	3	0.40	0.31	0.70
Tributary	2014	Exposed	Gate	GATE1	1	0.00	0.05	0.05
Tributary	2014	Exposed	Gate	GATE2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Goddard	GODD1	1	0.00	0.00	0.00
Tributary	2014	Exposed	Goddard	GODD2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Goddard	GODD3	3	1.07	0.82	1.90
Tributary	2014	Reference	Grace	GRAC1	3	0.02	0.18	0.20
Tributary	2014	Reference	Grace	GRAC2	3	0.01	0.09	0.10
Tributary	2014	Reference	Grace	GRAC3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Grassy	GRAS1	3	0.01	0.07	0.09
Tributary	2014	Exposed	Grave	GRAV1	3	0.23	0.49	0.72
Tributary	2014	Exposed	Grave	GRAV2	3	0.06	0.15	0.21
Tributary	2014	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Greenhills	GREE1	3	0.41	0.64	1.06

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Greenhills	GREE2	1	0.00	0.00	0.00
Tributary	2014	Exposed	Greenhills	GREE3	3	1.31	0.92	2.22
Tributary	2014	Exposed	Greenhills	GREE4	3	1.80	0.98	2.78
Tributary	2014	Exposed	Harmer	HARM1	3	0.29	0.79	1.08
Tributary	2014	Exposed	Harmer	HARM2	2	0.00	0.10	0.10
Tributary	2014	Exposed	Harmer	HARM3	3	0.12	0.16	0.28
Tributary	2014	Exposed	Harmer	HARM4	3	0.29	0.41	0.70
Tributary	2014	Exposed	Harmer	HARM5	3	0.16	0.40	0.56
Tributary	2014	Exposed	Henretta	HENR1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Henretta	HENR2	3	0.00	0.00	0.00
Tributary	2014	Reference	Henretta	HENR3	2	0.00	0.00	0.00
Tributary	2014	Exposed	Kilmamock	KILM1	2	1.05	0.59	1.64
Tributary	2014	Exposed	Lake Mountain	LMOU1	3	0.06	0.28	0.33
Tributary	2014	Exposed	Lake Mountain	LMOU2	1	0.04	0.05	0.09
Tributary	2014	Exposed	Lake Mountain	LMOU3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Lake Mountain	LMOU4	3	0.00	0.00	0.00
Tributary	2014	Exposed	Leask	LEAS1	3	0.07	0.10	0.17
Tributary	2014	Exposed	Leask	LEAS2	2	0.82	0.79	1.60
Tributary	2014	Exposed	Lindsay	LIND1	3	0.03	0.23	0.26
Tributary	2014	Exposed	Line	LINE1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Line	LINE2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Line	LINE3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Line	LINE4	3	0.00	0.27	0.27
Tributary	2014	Reference	Line	LINE7	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Michel	MICH1	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Michel	MICH2	3	0.00	0.05	0.05
Mainstem	2014	Exposed	Michel	MICH3	3	0.00	0.00	0.00
Mainstem	2014	Exposed	Michel	MICH4	3	0.00	0.00	0.00
Mainstem	2014	Reference	Michel	MICH5	3	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Mickelson	MICK1	3	0.00	0.00	0.00
Tributary	2014	Exposed	Mickelson	MICK2	2	0.00	0.00	0.00
Tributary	2014	Exposed	Milligan	MILL1	1	0.00	0.00	0.00
Tributary	2014	Exposed	Milligan	MILL2	1	0.00	0.00	0.00
Tributary	2014	Exposed	North Thompson	NTHO1	2	1.49	0.90	2.39
Tributary	2014	Exposed	North Wolfram	NWOL1	2	0.57	0.76	1.33
Tributary	2014	Exposed	Otto	OTTO1	1	0.02	0.20	0.22
Tributary	2014	Exposed	Otto	OTTO2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Otto	OTTO3	3	0.01	0.02	0.02
Tributary	2014	Exposed	Pengally	PENG1	2	0.00	0.02	0.02
Tributary	2014	Exposed	Porter	PORT1	1	0.06	0.78	0.84
Tributary	2014	Exposed	Porter	PORT2	1	0.00	0.10	0.10
Tributary	2014	Exposed	Porter	PORT3a	3	0.40	0.94	1.34
Tributary	2014	Exposed	Porter	PORT3b		1.37	0.92	2.28
Tributary	2014	Exposed	Qualteri	QUAL1	1	0.00	0.00	0.00
Tributary	2014	Exposed	Sawmill	SAWM1	2	0.00	0.00	0.00
Tributary	2014	Exposed	Sawmill	SAWM2	2	0.24	0.31	0.54
Tributary	2014	Exposed	Six Mile	SIXM1	3	0.32	0.88	1.19
Tributary	2014	Exposed	Smith Pond Outlet	SPOU1	1	1.39	0.85	2.24
Tributary	2014	Reference	Snowslide	SNOW1	3	0.00	0.00	0.00
Tributary	2014	Reference	South Line	SLINE2	3	0.00	0.00	0.00
Tributary	2014	Exposed	South Pit	SPIT1	3	0.00	0.00	0.00
Tributary	2014	Exposed	South Pit	SPIT2	2	0.00	0.00	0.00
Tributary	2014	Exposed	South Pond Seep	SPSE1	1	1.00	0.50	1.50
Tributary	2014	Exposed	South Wolfram Creek	SWOL1	3	1.17	0.80	1.97
Tributary	2014	Exposed	Spring	SPRI1	1	0.00	0.11	0.11
Tributary	2014	Exposed	Swift	SWIF1	1	1.27	0.91	2.18
Tributary	2014	Exposed	Swift	SWIF2	3	0.58	0.46	1.04
Tributary	2014	Exposed	Thompson	THOM1	1	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Thompson	THOM2	3	0.00	0.00	0.00
Tributary	2014	Exposed	Thompson	THOM3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Thresher	THRE1	2	0.00	0.00	0.00
Tributary	2014	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2014	Reference	Wheeler	WHEE1	3	0.00	0.00	0.00
Tributary	2014	Reference	Wheeler	WHEE2	3	0.00	0.00	0.00
Tributary	2014	Reference	Wheeler	WHEE3	3	0.00	0.00	0.00
Tributary	2014	Exposed	Wolfram	WOLF2	3	0.06	0.08	0.14
Tributary	2014	Exposed	Wolfram	WOLF3	3	1.21	0.86	2.07
Tributary	2015	Reference	Alexander	ALEX3	3	0.01	0.39	0.40
Tributary	2015	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Aqueduct	AQUE2	2	0.00	0.00	0.00
Tributary	2015	Exposed	Aqueduct	AQUE3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Balmer	BALM1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Bodie	BODI1	3	0.00	0.00	0.00
Tributary	2015	Exposed	CCR Seep	CSEE1	1	0.54	0.31	0.85
Tributary	2015	Reference	Carbon	CARB1	3	0.00	0.00	0.00
Tributary	2015	Reference	Carbon	CARB2	3	0.00	0.00	0.00
Tributary	2015	Exposed	Cataract	CATA1	1	2.00	1.00	3.00
Tributary	2015	Exposed	Cataract	CATA3	2	1.58	0.99	2.56
Tributary	2015	Reference	Chauncey	CHAU1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Clode Pond Outlet	COUT1	1	0.16	0.87	1.03
Tributary	2015	Exposed	Clode West Infiltration	CLOW1	2	0.00	0.00	0.00
Tributary	2015	Exposed	Corbin	CORB1	6	1.63	0.99	2.62
Tributary	2015	Exposed	Corbin	CORB2	6	1.42	0.83	2.25
Tributary	2015	Exposed	Dry (EVO)	DRYE1	1	1.25	0.94	2.19
Tributary	2015	Exposed	Dry (EVO)	DRYE3	6	1.56	0.92	2.48
Tributary	2015	Exposed	Dry (EVO)	DRYE4	1	1.43	0.94	2.37

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Dry (LCO)	DRYL1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Dry (LCO)	DRYL2	3	0.00	0.00	0.00
Tributary	2015	Exposed	Dry (LCO)	DRYL3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Dry (LCO)	DRYL4	3	0.00	0.00	0.00
Tributary	2015	Exposed	Eagle Pond Outlet	EPOU1	1	0.32	0.26	0.58
Mainstem	2015	Exposed	Elk	ELKR10	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Elk	ELKR11	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2015	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Elk	ELKR8	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Elk	ELKR9	3	0.00	0.00	0.00
Tributary	2015	Exposed	Erickson	ERIC1	2	1.82	0.96	2.77
Tributary	2015	Exposed	Erickson	ERIC2	1	1.68	0.90	2.58
Tributary	2015	Exposed	Erickson	ERIC3	1	2.00	1.00	3.00
Tributary	2015	Exposed	Erickson	ERIC4	6	0.46	0.71	1.17
Tributary	2015	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Fennelon	FENN1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Fish Pond	FPON1	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD1	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD10	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD11	3	0.00	0.00	0.00
Mainstem	2015	Reference	Fording	FORD12	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD2	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD3	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Fording	FORD4	3	0.00	0.66	0.66
Mainstem	2015	Exposed	Fording	FORD5	6	0.00	0.53	0.53
Mainstem	2015	Exposed	Fording	FORD6	3	0.70	0.83	1.53
Mainstem	2015	Exposed	Fording	FORD7	3	0.00	0.55	0.55
Mainstem	2015	Exposed	Fording	FORD8	3	0.01	0.47	0.48

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Mainstem	2015	Exposed	Fording	FORD9	3	0.00	0.00	0.00
Tributary	2015	Exposed	Gardine	GARD1	3	0.06	0.27	0.32
Tributary	2015	Exposed	Gate	GATE2	3	0.38	0.36	0.74
Tributary	2015	Exposed	Goddard	GODD1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Goddard	GODD2	3	0.00	0.00	0.00
Tributary	2015	Exposed	Goddard	GODD3	3	1.21	0.76	1.97
Tributary	2015	Reference	Grace	GRAC1	6	0.00	0.05	0.05
Tributary	2015	Reference	Grace	GRAC2	3	0.00	0.10	0.10
Tributary	2015	Reference	Grace	GRAC3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Grassy	GRAS1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Grave	GRAV1	3	0.00	0.02	0.02
Tributary	2015	Exposed	Grave	GRAV2	3	0.00	0.00	0.00
Tributary	2015	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Greenhills	GREE1	3	0.04	0.41	0.45
Tributary	2015	Exposed	Greenhills	GREE3	6	1.52	0.94	2.46
Tributary	2015	Exposed	Greenhills	GREE4	6	1.84	0.96	2.80
Tributary	2015	Exposed	Harmer	HARM1	3	0.00	0.07	0.07
Tributary	2015	Exposed	Harmer	HARM3	3	0.00	0.01	0.01
Tributary	2015	Exposed	Harmer	HARM4	6	0.00	0.17	0.17
Tributary	2015	Exposed	Harmer	HARM5	3	0.00	0.22	0.22
Tributary	2015	Exposed	Henretta	HENR1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Henretta	HENR2	3	0.00	0.00	0.00
Tributary	2015	Reference	Henretta	HENR3	1	0.00	0.00	0.00
Tributary	2015	Exposed	Kilmamock	KILM1	5	1.28	0.69	1.97
Tributary	2015	Exposed	Lake Mountain	LMOU1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Lake Mountain	LMOU3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Lake Mountain	LMOU4	3	0.00	0.00	0.00
Tributary	2015	Exposed	Leask	LEAS2	1	0.00	0.24	0.24
Tributary	2015	Exposed	Lindsay	LIND1	3	0.02	0.17	0.19

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Line	LINE1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Line	LINE2	3	0.00	0.00	0.00
Tributary	2015	Exposed	Line	LINE3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Line	LINE4	3	0.14	0.54	0.68
Tributary	2015	Reference	Line	LINE7	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Michel	MICH1	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Michel	MICH2	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Michel	MICH3	3	0.00	0.00	0.00
Mainstem	2015	Exposed	Michel	MICH4	3	0.00	0.00	0.00
Mainstem	2015	Reference	Michel	MICH5	3	0.00	0.00	0.00
Tributary	2015	Exposed	Mickelson	MICK1	3	0.00	0.00	0.00
Tributary	2015	Exposed	Mickelson	MICK2	3	0.00	0.03	0.03
Tributary	2015	Exposed	Milligan	MILL1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Milligan	MILL2	1	0.00	0.00	0.00
Tributary	2015	Exposed	North Thompson	NTHO1	6	0.57	0.61	1.18
Tributary	2015	Exposed	North Wolfram	NWOL1	2	0.04	0.17	0.21
Tributary	2015	Exposed	Otto	OTTO1	1	0.00	0.10	0.10
Tributary	2015	Exposed	Otto	OTTO2	3	0.00	0.00	0.00
Tributary	2015	Exposed	Otto	OTTO3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Pengally	PENG1	2	0.00	0.02	0.02
Tributary	2015	Exposed	Porter	PORT1	1	0.23	0.62	0.85
Tributary	2015	Exposed	Porter	PORT3a	3	0.33	0.59	0.92
Tributary	2015	Exposed	Porter	PORT3b		1.57	0.88	2.45
Tributary	2015	Exposed	Qualteri	QUAL1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Sawmill	SAWM1	2	0.00	0.00	0.00
Tributary	2015	Exposed	Sawmill	SAWM2	2	0.32	0.31	0.62
Tributary	2015	Exposed	Six Mile	SIXM1	3	0.00	0.49	0.49
Tributary	2015	Exposed	Smith Pond Outlet	SPOU1	1	1.39	0.85	2.24
Tributary	2015	Reference	Snowslide	SNOW1	3	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Reference	South Line	SLINE2	3	0.00	0.00	0.00
Tributary	2015	Exposed	South Pit	SPIT1	4	0.68	0.47	1.14
Tributary	2015	Exposed	South Pit	SPIT2	2	0.00	0.00	0.00
Tributary	2015	Exposed	South Pond Seep	SPSE1	1	0.02	0.08	0.10
Tributary	2015	Exposed	South Wolfram Creek	SWOL1	3	0.07	0.21	0.28
Tributary	2015	Exposed	Spring	SPRI1	1	0.00	0.11	0.11
Tributary	2015	Exposed	Swift	SWIF1	1	1.53	0.86	2.39
Tributary	2015	Exposed	Swift	SWIF2	3	0.51	0.31	0.82
Tributary	2015	Exposed	Thompson	THOM1	1	0.00	0.00	0.00
Tributary	2015	Exposed	Thompson	THOM2	3	0.00	0.01	0.01
Tributary	2015	Exposed	Thompson	THOM3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Thresher	THRE1	2	0.00	0.00	0.00
Tributary	2015	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2015	Reference	Wheeler	WHEE1	3	0.00	0.00	0.00
Tributary	2015	Reference	Wheeler	WHEE2	3	0.00	0.00	0.00
Tributary	2015	Reference	Wheeler	WHEE3	3	0.00	0.00	0.00
Tributary	2015	Exposed	Wolfram	WOLF2	3	0.02	0.21	0.23
Tributary	2015	Exposed	Wolfram	WOLF3	3	0.73	0.87	1.60
Tributary	2016	Reference	Alexander	ALEX3	3	0.02	0.44	0.46
Tributary	2016	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2016	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2016	Exposed	Balmer	BALM1	1	0.00	0.00	0.00
Tributary	2016	Exposed	Bodie	BODI1	3	0.14	0.65	0.79
Tributary	2016	Exposed	Bodie	BODI3	3	1.01	0.76	1.77
Tributary	2016	Exposed	CCR Seep	CSEE1	1	0.58	0.82	1.40
Tributary	2016	Exposed	Cataract	CATA1	1	2.00	1.00	3.00
Tributary	2016	Reference	Chauncey	CHAU1	3	0.01	0.16	0.17
Tributary	2016	Exposed	Clode Pond Outlet	COUT1	1	0.25	0.96	1.21
Tributary	2016	Exposed	Clode West Infiltration	CLOW1	1	0.00	0.50	0.50

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Corbin	CORB1	3	1.21	1.00	2.21
Tributary	2016	Exposed	Dry (EVO)	DRYE3	3	1.54	0.96	2.51
Tributary	2016	Exposed	Dry (LCO)	DRYL1	3	0.00	0.00	0.00
Tributary	2016	Exposed	Dry (LCO)	DRYL2	3	0.00	0.00	0.00
Tributary	2016	Exposed	Dry (LCO)	DRYL3	3	0.00	0.00	0.00
Tributary	2016	Exposed	Dry (LCO)	DRYL4	3	0.00	0.00	0.00
Tributary	2016	Exposed	Eagle Pond Outlet	EPOU1	1	0.06	0.14	0.20
Mainstem	2016	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2016	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2016	Exposed	Elk	ELKR8	3	0.00	0.00	0.00
Mainstem	2016	Exposed	Elk	ELKR9	3	0.00	0.00	0.00
Tributary	2016	Exposed	Erickson	ERIC1	1	1.43	0.93	2.36
Tributary	2016	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2016	Exposed	Fennelon	FENN1	3	0.00	0.00	0.00
Tributary	2016	Exposed	Fish Pond	FPON1	3	0.00	0.08	0.08
Mainstem	2016	Exposed	Fording	FORD1	3	0.00	0.37	0.37
Mainstem	2016	Reference	Fording	FORD12	3	0.00	0.03	0.03
Mainstem	2016	Exposed	Fording	FORD2	3	0.00	0.00	0.00
Mainstem	2016	Exposed	Fording	FORD4	3	0.06	0.54	0.60
Mainstem	2016	Exposed	Fording	FORD5	3	0.00	0.58	0.58
Mainstem	2016	Exposed	Fording	FORD6	6	0.02	0.62	0.64
Mainstem	2016	Exposed	Fording	FORD7	3	0.01	0.63	0.63
Mainstem	2016	Exposed	Fording	FORD9	3	0.00	0.00	0.00
Tributary	2016	Exposed	Gardine	GARD1	3	0.02	0.12	0.14
Tributary	2016	Exposed	Gate	GATE2	3	0.60	0.87	1.47
Tributary	2016	Exposed	Goddard	GODD1	1	0.02	0.20	0.22
Tributary	2016	Exposed	Goddard	GODD3	6	1.40	0.82	2.22
Tributary	2016	Reference	Grace	GRAC1	3	0.00	0.09	0.09
Tributary	2016	Exposed	Grassy	GRAS1	3	0.01	0.03	0.04

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Grave	GRAV1	3	0.00	0.14	0.14
Tributary	2016	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2016	Exposed	Greenhills	GREE1	3	0.27	0.59	0.86
Tributary	2016	Exposed	Greenhills	GREE3	3	1.23	0.95	2.18
Tributary	2016	Exposed	Greenhills	GREE4	3	1.64	0.96	2.61
Tributary	2016	Exposed	Harmer	HARM1	3	0.01	0.64	0.64
Tributary	2016	Exposed	Harmer	HARM3	3	0.01	0.11	0.12
Tributary	2016	Exposed	Henretta	HENR1	3	0.00	0.00	0.00
Tributary	2016	Exposed	Kilmamock	KILM1	5	1.64	0.95	2.59
Tributary	2016	Exposed	Lake Mountain	LMOU1	3	0.00	0.15	0.15
Tributary	2016	Exposed	Leask	LEAS2	3	1.02	0.79	1.82
Tributary	2016	Exposed	Lindsay	LIND1	3	0.02	0.18	0.19
Tributary	2016	Exposed	Line	LINE1	3	0.00	0.03	0.03
Tributary	2016	Exposed	Line	LINE4	3	0.00	0.65	0.65
Tributary	2016	Reference	Line	LINE7	3	0.00	0.00	0.00
Mainstem	2016	Exposed	Michel	MICH1	3	0.00	0.00	0.00
Mainstem	2016	Exposed	Michel	MICH4	3	0.00	0.00	0.00
Mainstem	2016	Reference	Michel	MICH5	3	0.00	0.00	0.00
Tributary	2016	Exposed	Mickelson	MICK1	3	1.22	0.96	2.18
Tributary	2016	Exposed	Milligan	MILL2	6	0.48	0.59	1.07
Tributary	2016	Exposed	North Thompson	NTHO1	6	0.77	0.77	1.54
Tributary	2016	Exposed	North Wolfram	NWOL1	1	0.00	0.14	0.14
Tributary	2016	Exposed	Otto	OTTO1	1	0.02	0.21	0.23
Tributary	2016	Exposed	Pengally	PENG1	1	0.00	0.00	0.00
Tributary	2016	Exposed	Porter	PORT1	1	0.00	0.75	0.75
Tributary	2016	Exposed	Porter	PORT3a	3	0.02	0.45	0.47
Tributary	2016	Exposed	Porter	PORT3b	3	1.55	0.90	2.46
Tributary	2016	Exposed	Qualteri	QUAL1	1	0.00	0.00	0.00
Tributary	2016	Exposed	Sawmill	SAWM1	1	0.00	0.00	0.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Sawmill	SAWM2	3	0.00	0.00	0.00
Tributary	2016	Exposed	Six Mile	SIXM1	3	0.02	0.63	0.65
Tributary	2016	Exposed	Smith Pond Outlet	SPOU1	1	2.00	1.00	3.00
Tributary	2016	Reference	South Line	SLINE2	3	0.00	0.00	0.00
Tributary	2016	Exposed	South Pit	SPIT1	6	0.85	0.73	1.59
Tributary	2016	Exposed	South Pond Seep	SPSE1	1	0.00	0.00	0.00
Tributary	2016	Exposed	South Wolfram Creek	SWOL1	4	0.91	0.95	1.86
Tributary	2016	Exposed	Spring	SPRI1	1	0.00	0.12	0.12
Tributary	2016	Exposed	Swift	SWIF1	1	1.48	0.95	2.43
Tributary	2016	Exposed	Thompson	THOM1	1	0.00	0.22	0.22
Tributary	2016	Exposed	Thresher	THRE1	2	0.00	0.00	0.00
Tributary	2016	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2016	Exposed	Willow North	WILN2	2	0.00	0.00	0.00
Tributary	2016	Exposed	Willow South	WILS1	2	0.00	0.00	0.00
Tributary	2016	Exposed	Wolf	WOL1	2	0.00	0.00	0.00
Tributary	2016	Exposed	Wolfram	WOLF2	1	0.20	0.49	0.69
Tributary	2016	Exposed	Wolfram	WOLF3	6	1.64	0.97	2.61
Tributary	2017	Reference	Alexander	ALEX3	3	0.01	0.37	0.38
Tributary	2017	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2017	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2017	Exposed	Balmer	BALM1	1	0.00	0.00	0.00
Tributary	2017	Exposed	Bodie	BODI1	1	0.01	0.06	0.08
Tributary	2017	Exposed	Bodie	BODI3	3	1.31	0.78	2.09
Tributary	2017	Exposed	Cataract	CATA1	1	2.00	1.00	3.00
Tributary	2017	Reference	Chauncey	CHAU1	3	0.04	0.08	0.12
Tributary	2017	Exposed	Clode Pond Outlet	COUT1	1	0.05	0.24	0.29
Tributary	2017	Exposed	Clode West Infiltration	CLOW1	1	0.00	0.21	0.21
Tributary	2017	Exposed	Corbin	CORB1	3	1.74	0.99	2.74
Tributary	2017	Exposed	Dry (EVO)	DRYE3	3	1.85	1.00	2.85

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Dry (LCO)	DRYL1	3	0.00	0.02	0.02
Tributary	2017	Exposed	Dry (LCO)	DRYL2	3	0.00	0.00	0.00
Tributary	2017	Exposed	Dry (LCO)	DRYL3	3	0.00	0.00	0.00
Tributary	2017	Exposed	Dry (LCO)	DRYL4	3	0.00	0.00	0.00
Tributary	2017	Exposed	Eagle Pond Outlet	EPOU1	1	0.04	0.21	0.25
Mainstem	2017	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2017	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2017	Exposed	Elk	ELKR8	3	0.00	0.01	0.01
Mainstem	2017	Exposed	Elk	ELKR9	3	0.00	0.00	0.00
Tributary	2017	Exposed	Erickson	ERIC1	1	1.73	0.94	2.67
Tributary	2017	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2017	Exposed	Fennelon	FENN1	3	0.00	0.00	0.00
Tributary	2017	Exposed	Fish Pond	FPON1	1	0.00	0.20	0.20
Mainstem	2017	Exposed	Fording	FORD1	3	0.09	0.35	0.44
Mainstem	2017	Reference	Fording	FORD12	3	0.00	0.11	0.11
Mainstem	2017	Exposed	Fording	FORD2	3	0.00	0.09	0.10
Mainstem	2017	Exposed	Fording	FORD4	3	0.12	0.72	0.84
Mainstem	2017	Exposed	Fording	FORD5	3	0.00	0.73	0.73
Mainstem	2017	Exposed	Fording	FORD6	5	0.05	0.64	0.68
Mainstem	2017	Exposed	Fording	FORD9	6	0.09	0.23	0.32
Tributary	2017	Exposed	Gardine	GARD1	3	0.28	0.31	0.60
Tributary	2017	Exposed	Gate	GATE2	3	1.15	0.83	1.98
Tributary	2017	Exposed	Goddard	GODD1	1	0.00	0.13	0.13
Tributary	2017	Exposed	Goddard	GODD3	6	1.65	0.99	2.64
Tributary	2017	Reference	Grace	GRAC1	3	0.00	0.06	0.06
Tributary	2017	Exposed	Grassy	GRAS1	3	0.11	0.18	0.29
Tributary	2017	Exposed	Grave	GRAV1	3	0.00	0.24	0.24
Tributary	2017	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2017	Exposed	Greenhills	GREE1	3	0.42	0.66	1.07

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Greenhills	GREE4	3	1.69	1.00	2.68
Tributary	2017	Exposed	Harmer	HARM1	3	0.16	0.45	0.61
Tributary	2017	Exposed	Harmer	HARM3	3	0.00	0.03	0.03
Tributary	2017	Exposed	Henretta	HENR1	3	0.00	0.04	0.04
Tributary	2017	Exposed	Kilmamock	KILM1	5	1.81	0.96	2.77
Tributary	2017	Exposed	Lake Mountain	LMOU1	2	0.00	0.18	0.18
Tributary	2017	Exposed	Leask	LEAS2	3	1.77	0.99	2.76
Tributary	2017	Exposed	Lindsay	LIND1	3	0.03	0.12	0.15
Tributary	2017	Exposed	Line	LINE1	3	0.00	0.00	0.00
Tributary	2017	Exposed	Line	LINE4	3	0.00	0.66	0.66
Tributary	2017	Reference	Line	LINE7	3	0.00	0.00	0.00
Mainstem	2017	Exposed	Michel	MICH1	3	0.00	0.00	0.00
Mainstem	2017	Exposed	Michel	MICH2	3	0.03	0.05	0.08
Mainstem	2017	Exposed	Michel	MICH4	3	0.00	0.01	0.01
Mainstem	2017	Reference	Michel	MICH5	3	0.00	0.01	0.01
Tributary	2017	Exposed	Mickelson	MICK1	3	0.32	0.93	1.25
Tributary	2017	Exposed	Milligan	MILL1	1	0.15	0.21	0.36
Tributary	2017	Exposed	Milligan	MILL2	5	0.54	0.52	1.06
Tributary	2017	Exposed	North Thompson	NTHO1	6	0.87	0.91	1.78
Tributary	2017	Exposed	North Wolfram	NWOL1	1	1.62	0.97	2.59
Tributary	2017	Exposed	Otto	OTTO1	1	0.02	0.12	0.14
Tributary	2017	Exposed	Pengally	PENG1	1	0.00	0.00	0.00
Tributary	2017	Exposed	Porter	PORT1	1	0.00	0.74	0.74
Tributary	2017	Exposed	Porter	PORT3a	3	0.16	0.40	0.57
Tributary	2017	Exposed	Porter	PORT3b	3	1.74	0.94	2.68
Tributary	2017	Exposed	Qualteri	QUAL1	1	0.00	0.00	0.00
Tributary	2017	Exposed	Sawmill	SAWM1	1	0.00	0.00	0.00
Tributary	2017	Exposed	Sawmill	SAWM2	2	0.00	0.00	0.00
Tributary	2017	Exposed	Site18	SITE	1	2.00	1.00	3.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Six Mile	SIXM1	3	0.22	0.73	0.95
Tributary	2017	Exposed	Smith Pond Outlet	SPOU1	1	1.66	0.94	2.60
Tributary	2017	Reference	South Line	SLINE2	3	0.00	0.00	0.00
Tributary	2017	Exposed	South Pit	SPIT1	1	1.59	0.90	2.49
Tributary	2015	Exposed	South Pond Seep	SPSE1	1	0.00	0.00	0.00
Tributary	2017	Exposed	South Wolfram Creek	SWOL1	4	1.05	0.99	2.05
Tributary	2017	Exposed	Spring	SPRI1	1	0.01	0.12	0.13
Tributary	2017	Exposed	Stream 02	STR02	3	0.44	0.24	0.68
Tributary	2017	Exposed	Stream 14	STR14	3	0.00	0.00	0.00
Tributary	2017	Exposed	Swift	SWIF1	1	1.47	0.98	2.45
Tributary	2017	Exposed	Thompson	THOM2	3	0.15	0.69	0.83
Tributary	2017	Exposed	Thresher	THRE1	2	0.00	0.00	0.00
Tributary	2017	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2017	Exposed	Willow North	WILN2	2	0.00	0.00	0.00
Tributary	2017	Exposed	Willow South	WILS1	2	0.00	0.00	0.00
Tributary	2017	Exposed	Wolf	WOL1	2	0.00	0.00	0.00
Tributary	2017	Exposed	Wolfram	WOLF3	6	1.80	1.00	2.80
Tributary	2018	Reference	Alexander	ALEX3	3	0.02	0.34	0.36
Tributary	2018	Reference	Andy Good	ANDY1	3	0.00	0.04	0.04
Tributary	2018	Exposed	Aqueduct	AQUE1	1	0.01	0.02	0.03
Tributary	2018	Exposed	Aqueduct	AQUE2	2	0.00	0.00	0.00
Tributary	2018	Exposed	Aqueduct	AQUE3	3	0.00	0.14	0.14
Tributary	2018	Exposed	Balmer	BALM1	1	0.00	0.01	0.01
Tributary	2018	Exposed	Bodie	BODI1	3	0.64	0.59	1.22
Tributary	2018	Exposed	Bodie	BODI3	3	1.41	0.92	2.33
Tributary	2018	Exposed	Cataract	CATA1	1	1.96	1.00	2.96
Tributary	2018	Exposed	Cataract	CATA3	2	1.89	1.00	2.89
Tributary	2018	Reference	Chauncey	CHAU1	3	0.01	0.11	0.12
Tributary	2018	Exposed	Clode Pond Outlet	COUT1	1	0.55	0.91	1.46

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Clode West Infiltration	CLOW1	2	0.01	0.67	0.67
Tributary	2018	Exposed	Corbin	CORB1	3	1.72	0.98	2.70
Tributary	2018	Exposed	Corbin	CORB2	3	1.92	1.00	2.92
Tributary	2018	Exposed	Dry (EVO)	DRYE1	1	1.96	1.00	2.96
Tributary	2018	Exposed	Dry (EVO)	DRYE3	3	1.76	1.00	2.76
Tributary	2018	Exposed	Dry (EVO)	DRYE4	1	2.00	1.00	3.00
Tributary	2018	Exposed	Dry (LCO)	DRYL1	3	0.00	0.57	0.57
Tributary	2018	Exposed	Dry (LCO)	DRYL2	3	0.00	0.24	0.24
Tributary	2018	Exposed	Dry (LCO)	DRYL3	3	0.00	0.06	0.06
Tributary	2018	Exposed	Dry (LCO)	DRYL4	3	0.00	0.32	0.32
Tributary	2018	Exposed	Eagle Pond Outlet	EPOU1	1	0.00	0.21	0.21
Mainstem	2018	Exposed	Elk	ELKR10	3	0.00	0.03	0.03
Mainstem	2018	Exposed	Elk	ELKR11	3	0.00	0.00	0.00
Mainstem	2018	Exposed	Elk	ELKR12	3	0.00	0.00	0.00
Mainstem	2018	Reference	Elk	ELKR15	3	0.00	0.02	0.02
Mainstem	2018	Exposed	Elk	ELKR8	3	0.01	0.26	0.28
Mainstem	2018	Exposed	Elk	ELKR9	3	0.00	0.07	0.07
Tributary	2018	Exposed	Erickson	ERIC1	2	1.90	0.99	2.89
Tributary	2018	Exposed	Erickson	ERIC2	1	1.60	0.90	2.50
Tributary	2018	Exposed	Erickson	ERIC3	1	1.95	1.00	2.95
Tributary	2018	Exposed	Erickson	ERIC4	6	0.88	0.85	1.73
Tributary	2018	Exposed	Feltham	FELT1	3	0.01	0.14	0.15
Tributary	2018	Exposed	Fennelon	FENN1	3	0.00	0.02	0.02
Tributary	2018	Exposed	Fish Pond	FPON1	3	0.01	0.17	0.17
Mainstem	2018	Exposed	Fording	FORD1	3	0.00	0.23	0.23
Mainstem	2018	Exposed	Fording	FORD10	3	0.03	0.60	0.63
Mainstem	2018	Exposed	Fording	FORD11	3	0.00	0.27	0.27
Mainstem	2018	Reference	Fording	FORD12	3	0.01	0.30	0.31
Mainstem	2018	Exposed	Fording	FORD2	3	0.01	0.12	0.13

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Mainstem	2018	Exposed	Fording	FORD3	3	0.12	0.37	0.49
Mainstem	2018	Exposed	Fording	FORD4	3	0.07	0.73	0.80
Mainstem	2018	Exposed	Fording	FORD5	4	0.01	0.69	0.70
Mainstem	2018	Exposed	Fording	FORD6	3	0.14	0.64	0.79
Mainstem	2018	Exposed	Fording	FORD7	3	0.07	0.82	0.89
Mainstem	2018	Exposed	Fording	FORD8	3	0.00	0.61	0.61
Mainstem	2018	Exposed	Fording	FORD9	3	0.18	0.55	0.73
Tributary	2018	Exposed	Gardine	GARD1	3	0.29	0.34	0.64
Tributary	2018	Exposed	Gate	GATE2	3	0.55	0.59	1.14
Tributary	2018	Exposed	Goddard	GODD1	1	0.00	0.35	0.35
Tributary	2018	Exposed	Goddard	GODD2	3	1.63	0.99	2.62
Tributary	2018	Exposed	Goddard	GODD3	3	1.66	0.96	2.62
Tributary	2018	Reference	Grace	GRAC1	3	0.01	0.09	0.10
Tributary	2018	Reference	Grace	GRAC2	3	0.00	0.06	0.06
Tributary	2018	Reference	Grace	GRAC3	3	0.00	0.00	0.00
Tributary	2018	Exposed	Grassy	GRAS1	3	0.09	0.16	0.25
Tributary	2018	Exposed	Grave	GRAV1	3	0.02	0.35	0.37
Tributary	2018	Exposed	Grave	GRAV2	3	0.00	0.14	0.14
Tributary	2018	Reference	Grave	GRAV3	3	0.00	0.00	0.00
Tributary	2018	Exposed	Greenhills	GREE1	3	0.20	0.44	0.64
Tributary	2018	Exposed	Greenhills	GREE3	3	1.51	0.98	2.49
Tributary	2018	Exposed	Greenhills	GREE4	3	1.75	0.99	2.74
Tributary	2018	Exposed	Harmer	HARM1	3	0.08	0.73	0.80
Tributary	2018	Exposed	Harmer	HARM3	3	0.02	0.06	0.08
Tributary	2018	Exposed	Harmer	HARM4	3	0.05	0.30	0.35
Tributary	2018	Exposed	Harmer	HARM5	3	0.01	0.29	0.31
Tributary	2018	Exposed	Henretta	HENR1	3	0.00	0.32	0.32
Tributary	2018	Reference	Henretta	HENR3	1	0.00	0.00	0.00
Tributary	2018	Exposed	Kilmamock	KILM1	3	1.40	0.91	2.30

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Lake Mountain	LMOU1	1	0.00	0.39	0.39
Tributary	2018	Exposed	Leask	LEAS2	3	1.61	0.99	2.60
Tributary	2018	Exposed	Lindsay	LIND1	3	0.00	0.19	0.19
Tributary	2018	Exposed	Line	LINE1	3	0.00	0.52	0.52
Tributary	2018	Exposed	Line	LINE2	3	0.00	0.45	0.45
Tributary	2018	Exposed	Line	LINE3	3	0.01	0.65	0.66
Tributary	2018	Exposed	Line	LINE4	3	0.05	0.90	0.95
Tributary	2018	Reference	Line	LINE7	3	0.00	0.01	0.01
Mainstem	2018	Exposed	Michel	MICH1	3	0.00	0.08	0.08
Mainstem	2018	Exposed	Michel	MICH2	3	0.00	0.02	0.02
Mainstem	2018	Exposed	Michel	MICH3	3	0.00	0.01	0.01
Mainstem	2018	Exposed	Michel	MICH4	3	0.00	0.06	0.06
Mainstem	2018	Reference	Michel	MICH5	3	0.00	0.00	0.00
Tributary	2018	Exposed	Mickelson	MICK1	6	0.40	0.82	1.23
Tributary	2018	Exposed	Mickelson	MICK2	6	0.58	0.79	1.37
Tributary	2018	Exposed	Milligan	MILL1	1	0.87	0.90	1.77
Tributary	2018	Exposed	Milligan	MILL2	6	0.62	0.56	1.18
Tributary	2018	Exposed	North Thompson	NTHO1	6	0.96	0.95	1.91
Tributary	2018	Exposed	North Wolfram	NWOL1	1	1.54	0.90	2.44
Tributary	2018	Exposed	Otto	OTTO1	1	0.03	0.56	0.59
Tributary	2018	Exposed	Otto	OTTO3	3	0.00	0.05	0.05
Tributary	2018	Exposed	Pengally	PENG1	2	0.00	0.00	0.00
Tributary	2018	Exposed	Porter	PORT1	1	0.06	0.79	0.85
Tributary	2018	Exposed	Porter	PORT3a	3	0.13	0.56	0.69
Tributary	2018	Exposed	Porter	PORT3b	3	1.63	0.97	2.60
Tributary	2018	Exposed	Sawmill	SAWM1	2	0.00	0.01	0.01
Tributary	2018	Exposed	Sawmill	SAWM2	2	0.00	0.00	0.00
Tributary	2018	Exposed	Site18	SITE	1	2.00	1.00	3.00
Tributary	2018	Exposed	Six Mile	SIXM1	3	0.21	0.72	0.92

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Smith Pond Outlet	SPOU1	1	1.54	0.91	2.45
Tributary	2018	Reference	South Line	SLINE2	3	0.00	0.04	0.04
Tributary	2018	Exposed	South Pit	SPIT1	1	1.77	1.00	2.77
Tributary	2018	Exposed	South Wolfram Creek	SWOL1	4	1.43	0.95	2.38
Tributary	2018	Exposed	Spring	SPRI1	1	0.00	0.14	0.14
Tributary	2018	Exposed	Stream 02	STR02	3	0.47	0.25	0.72
Tributary	2018	Exposed	Stream 14	STR14	1	0.06	0.34	0.40
Tributary	2018	Exposed	Swift	SWIF1	1	0.84	0.85	1.69
Tributary	2018	Exposed	Swift	SWIF2	2	0.25	0.87	1.12
Tributary	2018	Exposed	Thompson	THOM2	3	0.08	0.73	0.81
Tributary	2018	Exposed	Thompson	THOM3	3	0.31	0.73	1.04
Tributary	2018	Exposed	Thresher	THRE1	2	0.01	0.02	0.03
Tributary	2018	Exposed	Unnamed South of Sawmill	USOS1	2	0.00	0.00	0.00
Tributary	2018	Exposed	Willow North	WILN2	2	0.00	0.00	0.00
Tributary	2018	Exposed	Willow South	WILS1	2	0.00	0.00	0.00
Tributary	2018	Exposed	Wolf	WOL1	2	0.00	0.00	0.00
Tributary	2018	Exposed	Wolfram	WOLF2	1	0.52	0.36	0.88
Tributary	2018	Exposed	Wolfram	WOLF3	3	1.75	0.94	2.69
Tributary	2019	Reference	Alexander	ALEX3	2	0.04	0.82	0.86
Tributary	2019	Reference	Andy Good	ANDY1	3	0.00	0.09	0.09
Tributary	2019	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2019	Exposed	Bodie	BODI1	3	0.36	0.73	1.09
Tributary	2019	Exposed	Bodie	BODI3	3	1.59	0.99	2.58
Tributary	2019	Reference	Chauncey	CHAU1	3	0.01	0.22	0.23
Tributary	2019	Exposed	Clode Pond Outlet	COUT1	1	0.38	0.90	1.28
Tributary	2019	Exposed	Clode West Infiltration	CLOW1	2	0.00	0.69	0.69
Tributary	2019	Exposed	Corbin	CORB1	3	1.51	0.96	2.47
Tributary	2019	Exposed	Corbin	CORB2	3	1.88	0.99	2.87
Tributary	2019	Exposed	Dry (EVO)	DRYE1	1	1.20	0.99	2.19

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Dry (EVO)	DRYE3	2	1.25	1.00	2.25
Tributary	2019	Exposed	Dry (EVO)	DRYE4	1	1.51	1.00	2.51
Tributary	2019	Exposed	Dry (LCO)	DRYL1	3	0.03	0.62	0.65
Tributary	2019	Exposed	Dry (LCO)	DRYL2	3	0.00	0.52	0.52
Tributary	2019	Exposed	Dry (LCO)	DRYL3	3	0.00	0.16	0.16
Tributary	2019	Exposed	Dry (LCO)	DRYL4	3	0.00	0.15	0.15
Tributary	2019	Reference	East Dry	ETRI1	2	0.00	0.01	0.01
Mainstem	2019	Exposed	Elk	ELKR10	3	0.00	0.01	0.01
Mainstem	2019	Exposed	Elk	ELKR12	3	0.00	0.03	0.03
Mainstem	2019	Reference	Elk	ELKR15	3	0.00	0.02	0.02
Mainstem	2019	Exposed	Elk	ELKR8	2	0.00	0.09	0.09
Mainstem	2019	Exposed	Elk	ELKR9	3	0.00	0.08	0.08
Tributary	2019	Exposed	Erickson	ERIC1	2	1.90	1.00	2.90
Tributary	2019	Exposed	Erickson	ERIC2	1	1.52	0.94	2.46
Tributary	2019	Exposed	Erickson	ERIC3	1	1.96	1.00	2.96
Tributary	2019	Exposed	Erickson	ERIC4	6	0.81	0.94	1.74
Tributary	2019	Exposed	Feltham	FELT1	3	0.00	0.00	0.00
Tributary	2019	Exposed	Fennelon	FENN1	3	0.00	0.02	0.02
Tributary	2019	Exposed	Fish Pond	FPON1	3	0.00	0.38	0.38
Mainstem	2019	Exposed	Fording	FORD1	3	0.00	0.20	0.20
Mainstem	2019	Reference	Fording	FORD12	3	0.00	0.28	0.28
Mainstem	2019	Exposed	Fording	FORD2	3	0.03	0.27	0.30
Mainstem	2019	Exposed	Fording	FORD4	3	0.12	0.98	1.09
Mainstem	2019	Exposed	Fording	FORD5	3	0.00	0.80	0.80
Mainstem	2019	Exposed	Fording	FORD6	3	0.06	0.92	0.98
Mainstem	2019	Exposed	Fording	FORD7	3	0.08	0.82	0.90
Mainstem	2019	Exposed	Fording	FORD9	6	0.13	0.40	0.53
Tributary	2019	Exposed	Gardine	GARD1	2	0.01	0.50	0.50
Tributary	2019	Exposed	Goddard	GODD1	1	0.00	0.24	0.24

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Goddard	GODD2	3	1.54	0.98	2.52
Tributary	2019	Exposed	Goddard	GODD3	3	1.69	0.97	2.66
Tributary	2019	Reference	Grace	GRAC1	3	0.01	0.19	0.19
Tributary	2019	Exposed	Grassy	GRAS1	3	0.12	0.26	0.38
Tributary	2019	Exposed	Grave	GRAV1	3	0.00	0.40	0.41
Tributary	2019	Reference	Grave	GRAV3	2	0.00	0.00	0.00
Tributary	2019	Exposed	Greenhills	GREE1	3	0.09	0.57	0.66
Tributary	2019	Exposed	Greenhills	GREE3	3	0.92	0.99	1.91
Tributary	2019	Exposed	Greenhills	GREE4	3	1.32	1.00	2.32
Tributary	2019	Exposed	Harmer	HARM1	3	0.00	0.82	0.82
Tributary	2019	Exposed	Harmer	HARM3	3	0.00	0.13	0.14
Tributary	2019	Exposed	Henretta	HENR1	3	0.00	0.40	0.40
Tributary	2019	Exposed	Kilmamock	KILM1	3	1.65	0.91	2.56
Tributary	2019	Exposed	Lake Mountain	LMOU1	2	0.00	0.88	0.88
Tributary	2019	Exposed	Leask	LEAS2	3	1.79	1.00	2.79
Tributary	2019	Exposed	Line	LINE1	3	0.07	0.39	0.46
Tributary	2019	Exposed	Line	LINE4	3	0.00	0.93	0.93
Mainstem	2019	Exposed	Michel	MICH1	3	0.00	0.04	0.04
Mainstem	2019	Exposed	Michel	MICH4	3	0.00	0.02	0.02
Mainstem	2019	Reference	Michel	MICH5	3	0.00	0.06	0.06
Tributary	2019	Exposed	Mickelson	MICK1	4	0.86	0.98	1.84
Tributary	2019	Exposed	North Thompson	NTHO1	6	0.64	0.92	1.56
Tributary	2018	Exposed	Pengally	PENG1	2	0.00	0.00	0.00
Tributary	2019	Exposed	Porter	PORT1	1	0.00	0.85	0.85
Tributary	2019	Exposed	Porter	PORT3a	3	0.01	0.33	0.34
Tributary	2019	Exposed	Porter	PORT3b	3	1.55	0.98	2.53
Tributary	2019	Exposed	Sawmill	SAWM1	1	0.00	0.00	0.00
Tributary	2019	Exposed	Site18	SITE	1	1.93	1.00	2.93
Tributary	2019	Exposed	Smith Pond Outlet	SPOU1	1	1.09	0.91	2.00

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Reference	South Line	SLIN2	3	0.00	0.08	0.08
Tributary	2019	Exposed	South Pit	SPIT1	1	1.43	1.00	2.43
Tributary	2019	Exposed	SouthWolfram	SWOL1	1	1.96	1.00	2.96
Tributary	2019	Exposed	Spring	SPRI1	1	0.00	0.05	0.05
Tributary	2019	Exposed	Swift	SWIF1	2	0.91	0.97	1.88
Tributary	2019	Exposed	Thompson	THOM2	3	0.08	0.74	0.82
Tributary	2019	Exposed	Thompson	THOM3	3	0.66	0.97	1.63
Tributary	2019	Exposed	Wolf	WOL1	2	0.01	0.89	0.90
Tributary	2019	Exposed	Wolfram	WOLF2	1	0.06	0.78	0.84
Tributary	2019	Exposed	Wolfram	WOLF3	3	1.86	1.00	2.86
Tributary	2020	Reference	Alexander	ALEX3	3	0.00	0.41	0.41
Tributary	2020	Reference	Andy Good	ANDY1	3	0.00	0.00	0.00
Tributary	2020	Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00
Tributary	2020	Exposed	Balmer	BALM1	3	0.00	0.01	0.01
Tributary	2020	Exposed	Bodie	BODI1	3	0.45	0.65	1.10
Tributary	2020	Exposed	Bodie	BODI3	3	1.63	0.99	2.62
Tributary	2020	Reference	Chauncey	CHAU1	3	0.00	0.21	0.21
Tributary	2020	Exposed	Clode Pond Outlet	COUT1	1	0.29	0.87	1.16
Tributary	2020	Exposed	Clode West Infiltration	CLOW1	2	0.00	0.76	0.76
Tributary	2020	Exposed	Corbin	CORB1	3	1.51	0.95	2.45
Tributary	2020	Exposed	Dry (EVO)	DRYE1	1	1.67	1.00	2.67
Tributary	2020	Exposed	Dry (EVO)	DRYE3	3	1.82	1.00	2.82
Tributary	2020	Exposed	Dry (EVO)	DRYE4	1	1.94	1.00	2.94
Tributary	2020	Exposed	Dry (LCO)	DRYL1	3	0.00	0.62	0.62
Tributary	2020	Exposed	Dry (LCO)	DRYL2	3	0.00	0.60	0.60
Tributary	2020	Exposed	Dry (LCO)	DRYL3	3	0.00	0.29	0.29
Tributary	2020	Exposed	Dry (LCO)	DRYL4	3	0.00	0.30	0.30
Tributary	2020	Reference	East Dry	ETRI1	2	0.00	0.02	0.02
Mainstem	2020	Exposed	Elk	ELKR10	3	0.00	0.05	0.05

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Mainstem	2020	Exposed	Elk	ELKR12	3	0.00	0.05	0.05
Mainstem	2020	Reference	Elk	ELKR15	3	0.00	0.00	0.00
Mainstem	2020	Exposed	Elk	ELKR8	3	0.00	0.42	0.42
Mainstem	2020	Exposed	Elk	ELKR9	3	0.00	0.08	0.08
Tributary	2020	Exposed	Erickson	ERIC1	2	1.92	1.00	2.92
Tributary	2020	Exposed	Erickson	ERIC2	1	1.62	0.95	2.57
Tributary	2020	Exposed	Erickson	ERIC3	1	1.92	0.99	2.91
Tributary	2020	Exposed	Erickson	ERIC4	6	0.78	0.90	1.68
Tributary	2020	Exposed	Feltham	FELT1	3	0.00	0.01	0.01
Tributary	2020	Exposed	Fennelon	FENN1	1	0.00	0.00	0.00
Tributary	2020	Exposed	Fish Pond	FPON1	3	0.00	0.48	0.48
Mainstem	2020	Exposed	Fording	FORD1	3	0.00	0.14	0.14
Mainstem	2020	Exposed	Fording	FORD10	3	0.07	0.45	0.52
Mainstem	2020	Exposed	Fording	FORD11	3	0.00	0.18	0.18
Mainstem	2020	Reference	Fording	FORD12	3	0.00	0.15	0.15
Mainstem	2020	Exposed	Fording	FORD2	3	0.05	0.28	0.34
Mainstem	2020	Exposed	Fording	FORD3	3	0.22	0.74	0.96
Mainstem	2020	Exposed	Fording	FORD4	4	0.04	0.84	0.88
Mainstem	2020	Exposed	Fording	FORD5	4	0.03	0.76	0.79
Mainstem	2020	Exposed	Fording	FORD6	2	0.10	0.86	0.96
Mainstem	2020	Exposed	Fording	FORD7	3	0.17	0.93	1.09
Mainstem	2020	Exposed	Fording	FORD8	3	0.00	0.69	0.69
Mainstem	2020	Exposed	Fording	FORD9	6	0.05	0.39	0.44
Tributary	2020	Exposed	Gardine	GARD1	3	0.22	0.38	0.60
Tributary	2020	Exposed	Gate	GATE2	3	0.73	0.87	1.61
Tributary	2020	Exposed	Goddard	GODD1	1	0.00	0.16	0.16
Tributary	2020	Exposed	Goddard	GODD2	3	1.31	0.82	2.14
Tributary	2020	Exposed	Goddard	GODD3	3	1.64	0.91	2.55
Tributary	2020	Reference	Grace	GRAC1	3	0.01	0.24	0.25

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Grassy	GRAS1	3	0.02	0.16	0.17
Tributary	2020	Exposed	Grave	GRAV1	3	0.01	0.27	0.28
Tributary	2020	Reference	Grave	GRAV3	3	0.00	0.01	0.01
Tributary	2020	Exposed	Greenhills	GREE1	3	0.13	0.51	0.64
Tributary	2020	Exposed	Greenhills	GREE3	6	1.58	1.00	2.58
Tributary	2020	Exposed	Greenhills	GREE4	3	1.84	0.99	2.84
Tributary	2020	Exposed	Greenhouse side channel	GSCH1	3	0.00	0.41	0.41
Tributary	2020	Exposed	Harmer	HARM1	3	0.03	0.87	0.90
Tributary	2020	Exposed	Harmer	HARM3	3	0.00	0.12	0.12
Tributary	2020	Exposed	Henretta	HENR1	3	0.08	0.62	0.69
Tributary	2020	Reference	Henretta	HENR3	3	0.00	0.20	0.20
Tributary	2020	Exposed	Kilmarnock	KILM1	3	1.61	0.86	2.47
Tributary	2020	Exposed	Lake Mountain	LMOU1	1	0.00	0.64	0.64
Tributary	2020	Exposed	Leask	LEAS2	3	1.46	1.00	2.46
Tributary	2020	Exposed	Lindsay	LIND1	3	0.00	0.11	0.11
Tributary	2020	Exposed	Line	LINE1	3	0.00	0.76	0.76
Tributary	2020	Exposed	Line	LINE2	3	0.01	0.51	0.52
Tributary	2020	Exposed	Line	LINE3	3	0.00	0.48	0.48
Tributary	2020	Exposed	Line	LINE4	3	0.00	0.70	0.70
Mainstem	2020	Exposed	Michel	MICH1	3	0.00	0.12	0.12
Mainstem	2020	Exposed	Michel	MICH2	3	0.00	0.79	0.79
Mainstem	2020	Exposed	Michel	MICH3	3	0.00	0.45	0.45
Mainstem	2020	Exposed	Michel	MICH4	3	0.00	0.05	0.05
Mainstem	2020	Reference	Michel	MICH5	3	0.00	0.03	0.03
Tributary	2020	Exposed	Mickelson	MICK1	2	0.38	0.84	1.22
Tributary	2020	Exposed	Milligan	MILL1	1	0.51	0.82	1.33
Tributary	2020	Exposed	North Thompson	NTHO1	6	1.13	0.87	2.00
Tributary	2020	Exposed	North Willow	WILN2	2	0.00	0.02	0.02
Tributary	2020	Exposed	North Wolfram	NWOL1	1	1.71	1.00	2.71

Strata	Year	Type	Stream	Reach	Number of Sites	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Otto	OTTO1	1	0.00	0.46	0.46
Tributary	2020	Exposed	Porter	PORT1	1	0.00	0.98	0.98
Tributary	2020	Exposed	Porter	PORT3a	3	0.00	0.47	0.48
Tributary	2020	Exposed	Porter	PORT3b	3	1.61	0.94	2.55
Tributary	2020	Exposed	Sawmill	SAWM1	2	0.00	0.05	0.05
Tributary	2020	Exposed	Site18	SITE	1	1.97	1.00	2.97
Tributary	2020	Exposed	Six Mile	SIXM1	3	0.02	0.91	0.93
Tributary	2020	Exposed	Smith Pond Outlet	SPOU1	1	1.02	1.00	2.02
Tributary	2020	Reference	South Line	SLINE2	3	0.00	0.05	0.05
Tributary	2020	Exposed	South Pit	SPIT1	1	1.35	0.95	2.30
Tributary	2020	Exposed	SouthWolfram	SWOL1	4	1.59	0.93	2.52
Tributary	2020	Exposed	Spring	SPRI1	1	0.00	0.04	0.04
Tributary	2020	Exposed	Stream 02	STR02	1	0.00	0.02	0.02
Tributary	2020	Exposed	Thompson	THOM2	3	0.06	0.75	0.80
Tributary	2020	Exposed	Thompson	THOM3	6	0.40	0.89	1.29
Tributary	2020	Exposed	Thompson	THOM4	3	0.00	0.16	0.16
Tributary	2020	Exposed	Unnamed Trib South of Sawmill	USOS1	3	0.00	0.00	0.00
Tributary	2020	Exposed	Upper Thompson	UTHO1	3	0.28	0.87	1.15
Tributary	2020	Exposed	Upper Thompson Pond Outlet	UTPO1	1	0.12	0.40	0.52
Tributary	2020	Exposed	Wolf	WOL1	2	0.00	0.01	0.01
Tributary	2020	Exposed	Wolfram	WOLF2	1	1.51	0.90	2.41
Tributary	2020	Exposed	Wolfram	WOLF3	3	1.95	1.00	2.95

Appendix 10. Calcite index, calcite presence, and calcite concretion for all sites 2013-2020.

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Reference	Alexander	ALEX3	ALEX3-25	0.07	0.48	0.55
Tributary	2013	Reference	Alexander	ALEX3	ALEX3-50	0	0.35	0.35
Tributary	2013	Reference	Alexander	ALEX3	ALEX3-75	0.16	0.37	0.53
Tributary	2013	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2013	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2013	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE2	AQUE2-0	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE2	AQUE2-50	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE3	AQUE3-25	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE3	AQUE3-50	0	0	0
Tributary	2013	Exposed	Aqueduct	AQUE3	AQUE3-75	0	0	0
Tributary	2013	Exposed	Balmer	BALM1	BALM1-25	0	0	0
Tributary	2013	Exposed	Bodie	BODI1	BODI1-25	0	0	0
Tributary	2013	Exposed	Bodie	BODI1	BODI1-50	0	0	0
Tributary	2013	Exposed	Bodie	BODI1	BODI1-75	0	0	0
Tributary	2013	Exposed	Bodie	BODI2	BODI2-0	0	0.06	0.06
Tributary	2013	Exposed	Bodie	BODI3	BODI3-25	0.01	0.53	0.54
Tributary	2013	Exposed	Bodie	BODI3	BODI3-50	0.89	0.78	1.67
Tributary	2013	Exposed	Bodie	BODI3	BODI3-75	0.63	0.64	1.27
Tributary	2013	Exposed	CCR Seep	CSEE1	CSEE1-0	0	0	0
Tributary	2013	Exposed	Cataract	CATA1	CATA1-0	2	1	3
Tributary	2013	Exposed	Cataract	CATA2	CATA2-25	2	1	3
Tributary	2013	Exposed	Cataract	CATA2	CATA2-50	0.35	1	1.35
Tributary	2013	Exposed	Cataract	CATA2	CATA2-75	0.33	1	1.33
Tributary	2013	Exposed	Cataract	CATA3	CATA3-0	2	1	3
Tributary	2013	Exposed	Cataract	CATA3	CATA3-50	2	1	3
Tributary	2013	Reference	Chauncey	CHAU1	CHAU1-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Reference	Chauncey	CHAU1	CHAU1-50	0	0	0
Tributary	2013	Reference	Chauncey	CHAU1	CHAU1-75	0	0	0
Tributary	2013	Exposed	Clode Outlet	COUT1	COUT1-0	0	0	0
Tributary	2013	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	0	0.93	0.93
Tributary	2013	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	0	0.92	0.92
Tributary	2013	Exposed	Corbin	CORB1	CORB1-25	0.83	0.91	1.74
Tributary	2013	Exposed	Corbin	CORB1	CORB1-50	1.16	1	2.16
Tributary	2013	Exposed	Corbin	CORB1	CORB1-75	0.97	0.99	1.96
Tributary	2013	Exposed	Corbin	CORB2	CORB2-25	1.59	0.94	2.53
Tributary	2013	Exposed	Corbin	CORB2	CORB2-50	1.83	1	2.83
Tributary	2013	Exposed	Corbin	CORB2	CORB2-75	1.8	1	2.8
Tributary	2013	Exposed	Dry - EVO	DRYE1	DRYE1-0	1.38	0.85	2.23
Tributary	2013	Exposed	Dry - EVO	DRYE2	DRYE2-0	1.38	0.85	2.23
Tributary	2013	Exposed	Dry - EVO	DRYE3	DRYE3-25	1.17	1	2.17
Tributary	2013	Exposed	Dry - EVO	DRYE3	DRYE3-50	1.85	1	2.85
Tributary	2013	Exposed	Dry - EVO	DRYE3	DRYE3-75	1.04	0.55	1.59
Tributary	2013	Exposed	Dry - EVO	DRYE4	DRYE4-25	1.03	0.87	1.9
Tributary	2013	Exposed	Dry - EVO	DRYE4	DRYE4-50	0.67	0.72	1.39
Tributary	2013	Exposed	Dry - EVO	DRYE4	DRYE4-75	0.33	0.65	0.98
Tributary	2013	Proposed	Dry - LCO	DRYL1	DRYL1-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL1	DRYL1-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL1	DRYL1-75	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL2	DRYL2-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL2	DRYL2-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL2	DRYL2-75	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL3	DRYL3-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL3	DRYL3-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL3	DRYL3-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Proposed	Dry - LCO	DRYL4	DRYL4-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL4	DRYL4-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL4	DRYL4-75	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL5	DRYL5-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL5	DRYL5-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL5	DRYL5-75	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL6	DRYL6-25	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL6	DRYL6-50	0	0	0
Tributary	2013	Proposed	Dry - LCO	DRYL6	DRYL6-75	0	0	0
Tributary	2013	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0.9	1	1.9
Mainstem	2013	Exposed	Elk	ELKR10	ELKR10-25	0	0	0
Mainstem	2013	Exposed	Elk	ELKR10	ELKR10-50	0	0	0
Mainstem	2013	Exposed	Elk	ELKR10	ELKR10-75	0	0	0
Mainstem	2013	Exposed	Elk	ELKR11	ELKR11-25	0	0	0
Mainstem	2013	Exposed	Elk	ELKR11	ELKR11-50	0	0	0
Mainstem	2013	Exposed	Elk	ELKR11	ELKR11-75	0	0	0
Mainstem	2013	Exposed	Elk	ELKR12	ELKR12-25	0	0	0
Mainstem	2013	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2013	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2013	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2013	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2013	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2013	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2013	Exposed	Elk	ELKR8	ELKR8-50	0	0.74	0.74
Mainstem	2013	Exposed	Elk	ELKR8	ELKR8-75	0	0.46	0.46
Mainstem	2013	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2013	Exposed	Elk	ELKR9	ELKR9-50	0	0	0
Mainstem	2013	Exposed	Elk	ELKR9	ELKR9-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Erickson	ERIC1	ERIC1-0	1.36	0.97	2.33
Tributary	2013	Exposed	Erickson	ERIC1	ERIC1-50	1.24	1	2.24
Tributary	2013	Exposed	Erickson	ERIC2	ERIC2-0	0.9	0.88	1.78
Tributary	2013	Exposed	Erickson	ERIC3	ERIC3-0	1.4	0.96	2.36
Tributary	2013	Exposed	Erickson	ERIC4	ERIC4-25	0.28	0.71	0.99
Tributary	2013	Exposed	Erickson	ERIC4	ERIC4-50	0	0.6	0.6
Tributary	2013	Exposed	Erickson	ERIC4	ERIC4-75	0	0.27	0.27
Tributary	2013	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2013	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2013	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2013	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2013	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2013	Exposed	Fennelon	FENN1	FENN1-75	0	0	0
Tributary	2013	Exposed	Fish Pond	FPON1	FPON1-25	0	0	0
Tributary	2013	Exposed	Fish Pond	FPON1	FPON1-50	0	0	0
Tributary	2013	Exposed	Fish Pond	FPON1	FPON1-75	0	0	0
Mainstem	2013	Exposed	Fording River	FORD1	FORD1-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD1	FORD1-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD1	FORD1-75	0	0	0
Mainstem	2013	Exposed	Fording River	FORD10	FORD10-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD10	FORD10-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD10	FORD10-75	0	0	0
Mainstem	2013	Exposed	Fording River	FORD11	FORD11-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD11	FORD11-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD11	FORD11-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2013	Reference	Fording River	FORD12	FORD12-25	0	0	0
Mainstem	2013	Reference	Fording River	FORD12	FORD12-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD2	FORD2-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD3	FORD3-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD3	FORD3-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD5	FORD5-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD5	FORD5-50	0	0.28	0.28
Mainstem	2013	Exposed	Fording River	FORD5	FORD5-75	0	0.68	0.68
Mainstem	2013	Exposed	Fording River	FORD6	FORD6-25	0.14	0.78	0.92
Mainstem	2013	Exposed	Fording River	FORD6	FORD6-50	0.03	0.62	0.65
Mainstem	2013	Exposed	Fording River	FORD6	FORD6-75	0.01	0.65	0.66
Mainstem	2013	Exposed	Fording River	FORD7	FORD7-25	0.06	0.68	0.74
Mainstem	2013	Exposed	Fording River	FORD7	FORD7-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD7	FORD7-75	0.03	0.52	0.55
Mainstem	2013	Exposed	Fording River	FORD8	FORD8-25	0	0.16	0.16
Mainstem	2013	Exposed	Fording River	FORD8	FORD8-50	0	0.28	0.28
Mainstem	2013	Exposed	Fording River	FORD8	FORD8-75	0.02	0.46	0.48
Mainstem	2013	Exposed	Fording River	FORD9	FORD9-25	0	0	0
Mainstem	2013	Exposed	Fording River	FORD9	FORD9-50	0	0	0
Mainstem	2013	Exposed	Fording River	FORD9	FORD9-75	0	0	0
Tributary	2013	Exposed	Gardine	GARD1	GARD1-25	0	0.86	0.86
Tributary	2013	Exposed	Gardine	GARD1	GARD1-50	0	0	0
Tributary	2013	Exposed	Gardine	GARD1	GARD1-75	0	0	0
Tributary	2013	Exposed	Gate	GATE1	GATE1-0	0	0.05	0.05
Tributary	2013	Exposed	Gate	GATE2	GATE2-25	0.03	0.26	0.29
Tributary	2013	Exposed	Goddard	GODD1	GODD1-0	0	0	0
Tributary	2013	Exposed	Goddard	GODD2	GODD2-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Goddard	GODD2	GODD2-50	0	0	0
Tributary	2013	Exposed	Goddard	GODD2	GODD2-75	0	0	0
Tributary	2013	Exposed	Goddard	GODD3	GODD3-25	0	0	0
Tributary	2013	Exposed	Goddard	GODD3	GODD3-50	0	0	0
Tributary	2013	Exposed	Goddard	GODD3	GODD3-75	0	0	0
Tributary	2013	Reference	Grace	GRAC1	GRAC1-25	0.02	0.37	0.39
Tributary	2013	Reference	Grace	GRAC1	GRAC1-50	0.04	0.2	0.24
Tributary	2013	Reference	Grace	GRAC1	GRAC1-75	0	0.3	0.3
Tributary	2013	Reference	Grace	GRAC2	GRAC2-25	0.02	0.31	0.33
Tributary	2013	Reference	Grace	GRAC2	GRAC2-50	0	0.13	0.13
Tributary	2013	Reference	Grace	GRAC2	GRAC2-75	0	0	0
Tributary	2013	Exposed	Grassy	GRAS1	GRAS1-25	0	0	0
Tributary	2013	Exposed	Grassy	GRAS1	GRAS1-50	0	0	0
Tributary	2013	Exposed	Grassy	GRAS1	GRAS1-75	0	0	0
Tributary	2013	Exposed	Grave	GRAV1	GRAV1-25	0	0.56	0.56
Tributary	2013	Exposed	Grave	GRAV1	GRAV1-50	0	0.07	0.07
Tributary	2013	Exposed	Grave	GRAV1	GRAV1-75	0	1	1
Tributary	2013	Exposed	Grave	GRAV2	GRAV2-25	0	0.34	0.34
Tributary	2013	Exposed	Grave	GRAV2	GRAV2-50	0	0.16	0.16
Tributary	2013	Exposed	Grave	GRAV2	GRAV2-75	0	0.2	0.2
Tributary	2013	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2013	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2013	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2013	Exposed	Greenhills	GREE1	GREE1-25	0	0.11	0.11
Tributary	2013	Exposed	Greenhills	GREE1	GREE1-50	0	0.21	0.21
Tributary	2013	Exposed	Greenhills	GREE1	GREE1-75	0.02	0.72	0.74
Tributary	2013	Exposed	Greenhills	GREE2	GREE2-25	0	0.6	0.6
Tributary	2013	Exposed	Greenhills	GREE3	GREE3-25	0.17	0.82	0.99

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Greenhills	GREE3	GREE3-50	0.57	0.82	1.39
Tributary	2013	Exposed	Greenhills	GREE3	GREE3-75	0.67	0.85	1.52
Tributary	2013	Exposed	Greenhills	GREE4	GREE4-25	1.04	0.96	2
Tributary	2013	Exposed	Greenhills	GREE4	GREE4-50	0.82	0.8	1.62
Tributary	2013	Exposed	Greenhills	GREE4	GREE4-75	0.63	0.6	1.23
Tributary	2013	Exposed	Harmer	HARM1	HARM1-25	0	0.47	0.47
Tributary	2013	Exposed	Harmer	HARM1	HARM1-50	0	0.42	0.42
Tributary	2013	Exposed	Harmer	HARM1	HARM1-75	0	0.84	0.84
Tributary	2013	Exposed	Harmer	HARM2	HARM2-0	0	0.31	0.31
Tributary	2013	Exposed	Harmer	HARM2	HARM2-50	0	0.03	0.03
Tributary	2013	Exposed	Harmer	HARM3	HARM3-25	0	0.16	0.16
Tributary	2013	Exposed	Harmer	HARM3	HARM3-50	0	0.12	0.12
Tributary	2013	Exposed	Harmer	HARM3	HARM3-75	0	0.18	0.18
Tributary	2013	Exposed	Harmer	HARM4	HARM4-25	0	0.07	0.07
Tributary	2013	Exposed	Harmer	HARM4	HARM4-50	0.02	0.27	0.29
Tributary	2013	Exposed	Harmer	HARM4	HARM4-75	0	0.14	0.14
Tributary	2013	Exposed	Harmer	HARM5	HARM5-25	0	0.26	0.26
Tributary	2013	Exposed	Harmer	HARM5	HARM5-50	0	0.14	0.14
Tributary	2013	Exposed	Harmer	HARM5	HARM5-75	0	0.16	0.16
Tributary	2013	Exposed	Harmer Dump Seep	HDSE1	HDSE1-0	0.03	0.49	0.52
Tributary	2013	Exposed	Henretta	HENR1	HENR1-25	0	0	0
Tributary	2013	Exposed	Henretta	HENR1	HENR1-50	0	0	0
Tributary	2013	Exposed	Henretta	HENR1	HENR1-75	0	0	0
Tributary	2013	Exposed	Henretta	HENR2	HENR2-25	0	0	0
Tributary	2013	Exposed	Henretta	HENR2	HENR2-50	0	0	0
Tributary	2013	Exposed	Henretta	HENR2	HENR2-75	0	0	0
Tributary	2013	Reference	Henretta	HENR3	HENR3-25	0	0	0
Tributary	2013	Reference	Henretta	HENR3	HENR3-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Kilmamock	KILM1	KILM1-50	1.63	0.94	2.57
Tributary	2013	Exposed	Kilmamock	KILM1	KILM1-75	1.02	0.72	1.74
Tributary	2013	Exposed	Lagoon C Seep	LCSE1	LCSE1-0	0	0.39	0.39
Tributary	2013	Exposed	Lake Mountain	LMOU1	LMOU1-25	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU1	LMOU1-75	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU2	LMOU2-0	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU3	LMOU3-25	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU3	LMOU3-50	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU3	LMOU3-75	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU4	LMOU4-25	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU4	LMOU4-50	0	0	0
Tributary	2013	Exposed	Lake Mountain	LMOU4	LMOU4-75	0	0	0
Tributary	2013	Exposed	Leask	LEAS1	LEAS1-25	0	0	0
Tributary	2013	Exposed	Leask	LEAS1	LEAS1-50	0	0	0
Tributary	2013	Exposed	Leask	LEAS1	LEAS1-75	0	0.09	0.09
Tributary	2013	Exposed	Leask	LEAS2	LEAS2-25	0	0.08	0.08
Tributary	2013	Exposed	Leask	LEAS2	LEAS2-50	0	0.1	0.1
Tributary	2013	Exposed	Leask	LEAS2	LEAS2-75	0	0.22	0.22
Tributary	2013	Exposed	Lindsay	LIND1	LIND1-25	0	0.58	0.58
Tributary	2013	Exposed	Lindsay	LIND1	LIND1-50	0	0	0
Tributary	2013	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2013	Exposed	Line	LINE1	LINE1-25	0	0.13	0.13
Tributary	2013	Exposed	Line	LINE1	LINE1-50	0	0.27	0.27
Tributary	2013	Exposed	Line	LINE1	LINE1-75	0	0.4	0.4
Tributary	2013	Exposed	Line	LINE2	LINE2-25	0	0	0
Tributary	2013	Exposed	Line	LINE2	LINE2-50	0	0	0
Tributary	2013	Exposed	Line	LINE2	LINE2-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Line	LINE3	LINE3-25	0	0	0
Tributary	2013	Exposed	Line	LINE3	LINE3-50	0	0	0
Tributary	2013	Exposed	Line	LINE3	LINE3-75	0	0	0
Tributary	2013	Exposed	Line	LINE4	LINE4-25	0	0.51	0.51
Tributary	2013	Exposed	Line	LINE4	LINE4-50	0	0.19	0.19
Tributary	2013	Exposed	Line	LINE4	LINE4-75	0	0.49	0.49
Tributary	2013	Reference	Line	LINE7	LINE7-25	0	0	0
Tributary	2013	Reference	Line	LINE7	LINE7-50	0	0	0
Tributary	2013	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2013	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2013	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2013	Exposed	Michel	MICH1	MICH1-75	0	0.93	0.93
Mainstem	2013	Exposed	Michel	MICH2	MICH2-25	0	0	0
Mainstem	2013	Exposed	Michel	MICH2	MICH2-50	0	0.16	0.16
Mainstem	2013	Exposed	Michel	MICH2	MICH2-75	0	0	0
Mainstem	2013	Exposed	Michel	MICH3	MICH3-25	0	0	0
Mainstem	2013	Exposed	Michel	MICH3	MICH3-75	0	0	0
Mainstem	2013	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2013	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2013	Exposed	Michel	MICH4	MICH4-75	0	0	0
Mainstem	2013	Reference	Michel	MICH5	MICH5-25	0	0	0
Mainstem	2013	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2013	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2013	Exposed	Mickelson	MICK1	MICK1-25	0	0	0
Tributary	2013	Exposed	Mickelson	MICK1	MICK1-50	0	0	0
Tributary	2013	Exposed	Mickelson	MICK1	MICK1-75	0	0.02	0.02
Tributary	2013	Exposed	Mickelson	MICK2	MICK2-25	0	0.05	0.05
Tributary	2013	Exposed	Mickelson	MICK2	MICK2-50	0	0.08	0.08

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Mickelson	MICK2	MICK2-75	0	0.02	0.02
Tributary	2013	Exposed	Milligan	MILL1	MILL1-0	0	0	0
Tributary	2013	Exposed	Milligan	MILL2	MILL2-0	0	0	0
Tributary	2013	Exposed	North Thompson	NTHO1	NTHO1-25	0.13	0.7	0.83
Tributary	2013	Exposed	North Thompson	NTHO1	NTHO1-50	1.22	0.87	2.09
Tributary	2013	Exposed	North Thompson	NTHO1	NTHO1-75	0.14	0.66	0.8
Tributary	2013	Exposed	North Wolfram	NWOL1	NWOL1-25	0.74	0.98	1.72
Tributary	2013	Exposed	North Wolfram	NWOL1	NWOL1-50	0	0.16	0.16
Tributary	2013	Exposed	North Wolfram	NWOL1	NWOL1-75	0	0.22	0.22
Tributary	2013	Exposed	Otto	OTTO1	OTTO1-0	0	0.3	0.3
Tributary	2013	Exposed	Otto	OTTO2	OTTO2-25	0	0.08	0.08
Tributary	2013	Exposed	Otto	OTTO2	OTTO2-50	0	0	0
Tributary	2013	Exposed	Otto	OTTO2	OTTO2-75	0	0	0
Tributary	2013	Exposed	Otto	OTTO3	OTTO3-25	0.02	0.04	0.06
Tributary	2013	Exposed	Otto	OTTO3	OTTO3-50	0	0	0
Tributary	2013	Exposed	Otto	OTTO3	OTTO3-75	0	0	0
Tributary	2013	Exposed	Pengelly	PENG1	PENG1-0	0	0.1	0.1
Tributary	2013	Exposed	Pengelly	PENG1	PENG1-50	0	0.07	0.07
Tributary	2013	Exposed	Pit Road 12 Seep	P12S1	P12S1-0	0	0	0
Tributary	2013	Exposed	Pit Road 12 Seep	P12S1	P12S1-50	0	0	0
Tributary	2013	Exposed	Porter	PORT1	PORT1-0	0.14	0.78	0.92
Tributary	2013	Exposed	Porter	PORT2	PORT2-0	0.06	0.05	0.11
Tributary	2013	Exposed	Porter	PORT3a	PORT3a-25	1.41	0.92	2.33
Tributary	2013	Exposed	Porter	PORT3b	PORT3b-50	2	1	3
Tributary	2013	Exposed	Porter	PORT3b	PORT3b-75	2	1	3
Tributary	2013	Exposed	Qualteri	QUAL1	QUAL1-0	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Sawmill	SAWM1	SAWM1-0	0	0	0
Tributary	2013	Exposed	Sawmill	SAWM1	SAWM1-50	0	0	0
Tributary	2013	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2013	Exposed	Sawmill	SAWM2	SAWM2-50	0	0.76	0.76
Tributary	2013	Exposed	Sixmile	SIXM1	SIXM1-25	0	0.98	0.98
Tributary	2013	Exposed	Sixmile	SIXM1	SIXM1-50	0	0.9	0.9
Tributary	2013	Exposed	Sixmile	SIXM1	SIXM1-75	0	0.51	0.51
Tributary	2013	Exposed	Sixmile	SIXM2	SIXM2-25	0	0	0
Tributary	2013	Exposed	Sixmile	SIXM2	SIXM2-50	0	0	0
Tributary	2013	Exposed	Sixmile	SIXM2	SIXM2-75	0	0	0
Tributary	2013	Exposed	Smith Ponds Outlet	SPOU1	SPOU1-0	1.72	0.89	2.61
Tributary	2013	Reference	South Line	SLIN2	SLIN2-25	0	0	0
Tributary	2013	Reference	South Line	SLIN2	SLIN2-50	0	0	0
Tributary	2013	Reference	South Line	SLIN2	SLIN2-75	0	0	0
Tributary	2013	Exposed	South Pit	SPIT1	SPIT1-25	0	0	0
Tributary	2013	Exposed	South Pit	SPIT1	SPIT1-50	0	0	0
Tributary	2013	Exposed	South Pit	SPIT1	SPIT1-75	0	0	0
Tributary	2013	Exposed	South Pit	SPIT2	SPIT2-25	0	0	0
Tributary	2013	Exposed	South Pit	SPIT2	SPIT2-50	0	0	0
Tributary	2013	Exposed	South Pit	SPIT2	SPIT2-75	0.03	0.06	0.09
Tributary	2013	Exposed	South Pond Seep	SPSE1	SPSE1-50	0	0	0
Tributary	2013	Exposed	South Wolfram	SWOL1	SWOL1-25	1.83	1	2.83
Tributary	2013	Exposed	South Wolfram	SWOL1	SWOL1-50	0.42	0.92	1.34
Tributary	2013	Exposed	South Wolfram	SWOL1	SWOL1-75	0.74	1	1.74
Tributary	2013	Exposed	Spring	SPRI1	SPRI1-0	0	0.2	0.2
Tributary	2013	Exposed	Swift	SWIF1	SWIF1-0	1.71	0.87	2.58
Tributary	2013	Exposed	Swift	SWIF2	SWIF2-25	0	0	0
Tributary	2013	Exposed	Swift	SWIF2	SWIF2-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2013	Exposed	Thompson	THOM1	THOM1-0	0	0	0
Tributary	2013	Exposed	Thompson	THOM2	THOM2-25	0	0	0
Tributary	2013	Exposed	Thompson	THOM2	THOM2-50	0.02	0.22	0.24
Tributary	2013	Exposed	Thompson	THOM2	THOM2-75	0	0	0
Tributary	2013	Exposed	Thompson	THOM3	THOM3-25	0	0	0
Tributary	2013	Exposed	Thompson	THOM3	THOM3-50	0	0	0
Tributary	2013	Exposed	Thompson	THOM3	THOM3-75	0	0	0
Tributary	2013	Exposed	Thresher	THRE1	THRE1-25	0	0	0
Tributary	2013	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2013	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2013	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2013	Exposed	Wolfram	WOLF2	WOLF2-0	0.02	0.25	0.27
Tributary	2013	Exposed	Wolfram	WOLF3	WOLF3-25	1.9	1	2.9
Tributary	2013	Exposed	Wolfram	WOLF3	WOLF3-50	1.94	1	2.94
Tributary	2013	Exposed	Wolfram	WOLF3	WOLF3-75	1.95	1	2.95
Tributary	2014	Reference	Alexander	ALEX3	ALEX3-25	0.1	0.42	0.52
Tributary	2014	Reference	Alexander	ALEX3	ALEX3-50	0.01	0.31	0.32
Tributary	2014	Reference	Alexander	ALEX3	ALEX3-75	0.05	0.25	0.3
Tributary	2014	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2014	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2014	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE2	AQUE2-0	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE2	AQUE2-50	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE3	AQUE3-25	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE3	AQUE3-50	0	0	0
Tributary	2014	Exposed	Aqueduct	AQUE3	AQUE3-75	0	0	0
Tributary	2014	Exposed	Balmer	BALM1	BALM1-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Bodie	BODI1	BODI1-25	0	0	0
Tributary	2014	Exposed	Bodie	BODI1	BODI1-50	0	0	0
Tributary	2014	Exposed	Bodie	BODI1	BODI1-75	0	0	0
Tributary	2014	Exposed	Bodie	BODI2	BODI2-0	0	0	0
Tributary	2014	Exposed	Bodie	BODI3	BODI3-25	1.66	0.99	2.65
Tributary	2014	Exposed	Bodie	BODI3	BODI3-50	1.71	0.98	2.69
Tributary	2014	Exposed	Bodie	BODI3	BODI3-75	1.17	0.91	2.08
Tributary	2014	Exposed	CCR Seep	CSEE1	CSEE1-0	0	0	0
Tributary	2014	Proposed	Carbon	CARB1	CARB1-25	0	0	0
Tributary	2014	Proposed	Carbon	CARB1	CARB1-50	0	0	0
Tributary	2014	Proposed	Carbon	CARB1	CARB1-75	0	0	0
Tributary	2014	Proposed	Carbon	CARB2	CARB2-25	0	0	0
Tributary	2014	Proposed	Carbon	CARB2	CARB2-50	0	0	0
Tributary	2014	Proposed	Carbon	CARB2	CARB2-75	0	0	0
Tributary	2014	Exposed	Cataract	CATA1	CATA1-0	2	1	3
Tributary	2014	Exposed	Cataract	CATA2	CATA2-25	0.02	0.16	0.18
Tributary	2014	Exposed	Cataract	CATA2	CATA2-50	1.02	0.55	1.57
Tributary	2014	Exposed	Cataract	CATA2	CATA2-75	0.06	0.1	0.16
Tributary	2014	Exposed	Cataract	CATA3	CATA3-0	1.52	0.76	2.28
Tributary	2014	Exposed	Cataract	CATA3	CATA3-50	2	1	3
Tributary	2014	Reference	Chauncey	CHAU1	CHAU1-25	0	0	0
Tributary	2014	Reference	Chauncey	CHAU1	CHAU1-50	0	0	0
Tributary	2014	Reference	Chauncey	CHAU1	CHAU1-75	0	0	0
Tributary	2014	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.36	0.65	1.01
Tributary	2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0.32	0.32
Tributary	2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0	0.04	0.04
Tributary	2014	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	0	0.94	0.94
Tributary	2014	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	0	0.84	0.84

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Corbin	CORB1	CORB1-25	0.76	0.79	1.55
Tributary	2014	Exposed	Corbin	CORB1	CORB1-50	1.23	0.94	2.17
Tributary	2014	Exposed	Corbin	CORB1	CORB1-75	0.54	0.86	1.4
Tributary	2014	Exposed	Corbin	CORB2	CORB2-25	1.56	1	2.56
Tributary	2014	Exposed	Corbin	CORB2	CORB2-50	1.6	1	2.6
Tributary	2014	Exposed	Corbin	CORB2	CORB2-75	1.89	1	2.89
Tributary	2014	Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.16	0.97	2.13
Tributary	2014	Exposed	Dry (EVO)	DRYE2	DRYE2-0	0	0.03	0.03
Tributary	2014	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.6	0.8	2.4
Tributary	2014	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.24	0.62	1.86
Tributary	2014	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.93	1	2.93
Tributary	2014	Exposed	Dry (EVO)	DRYE4	DRYE4-25	1.22	0.62	1.84
Tributary	2014	Proposed	Dry (LCO)	DRYL1	DRYL1-25	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL1	DRYL1-50	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL1	DRYL1-75	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL2	DRYL2-25	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL2	DRYL2-50	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL2	DRYL2-75	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL3	DRYL3-25	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL3	DRYL3-50	0	0	0
Tributary	2014	Proposed	Dry (LCO)	DRYL3	DRYL3-75	0	0	0
Tributary	2014	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0.73	0.58	1.31
Mainstem	2014	Exposed	Elk	ELKR10	ELKR10-25	0	0	0
Mainstem	2014	Exposed	Elk	ELKR10	ELKR10-50	0	0	0
Mainstem	2014	Exposed	Elk	ELKR10	ELKR10-75	0	0	0
Mainstem	2014	Exposed	Elk	ELKR11	ELKR11-25	0	0	0
Mainstem	2014	Exposed	Elk	ELKR11	ELKR11-50	0	0	0
Mainstem	2014	Exposed	Elk	ELKR12	ELKR12-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2014	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2014	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2014	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2014	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2014	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2014	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2014	Exposed	Elk	ELKR8	ELKR8-50	0	0	0
Mainstem	2014	Exposed	Elk	ELKR8	ELKR8-75	0	0	0
Mainstem	2014	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2014	Exposed	Elk	ELKR9	ELKR9-50	0	0	0
Mainstem	2014	Exposed	Elk	ELKR9	ELKR9-75	0	0	0
Tributary	2014	Exposed	Erickson	ERIC1	ERIC1-0	1.69	0.98	2.67
Tributary	2014	Exposed	Erickson	ERIC1	ERIC1-50	1.52	0.98	2.5
Tributary	2014	Exposed	Erickson	ERIC2	ERIC2-0	1.35	0.92	2.27
Tributary	2014	Exposed	Erickson	ERIC3	ERIC3-0	1.6	1	2.6
Tributary	2014	Exposed	Erickson	ERIC4	ERIC4-25	0.61	0.95	1.56
Tributary	2014	Exposed	Erickson	ERIC4	ERIC4-50	0.46	0.82	1.28
Tributary	2014	Exposed	Erickson	ERIC4	ERIC4-75	0.26	0.73	0.99
Tributary	2014	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2014	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2014	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2014	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2014	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2014	Exposed	Fennelon	FENN1	FENN1-75	0	0	0
Tributary	2014	Exposed	Fish Pond	FPON1	FPON1-25	0	0.03	0.03
Tributary	2014	Exposed	Fish Pond	FPON1	FPON1-50	0	0.06	0.06
Tributary	2014	Exposed	Fish Pond	FPON1	FPON1-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD1	FORD1-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2014	Exposed	Fording	FORD1	FORD1-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD1	FORD1-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD10	FORD10-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD10	FORD10-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD10	FORD10-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD11	FORD11-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD11	FORD11-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD11	FORD11-75	0	0	0
Mainstem	2014	Reference	Fording	FORD12	FORD12-25	0	0	0
Mainstem	2014	Reference	Fording	FORD12	FORD12-50	0	0	0
Mainstem	2014	Reference	Fording	FORD12	FORD12-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD2	FORD2-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD2	FORD2-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD2	FORD2-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD3	FORD3-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD3	FORD3-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD3	FORD3-75	0	0.04	0.04
Mainstem	2014	Exposed	Fording	FORD4	FORD4-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD4	FORD4-50	0	0.16	0.16
Mainstem	2014	Exposed	Fording	FORD4	FORD4-75	0	0	0
Mainstem	2014	Exposed	Fording	FORD5	FORD5-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD5	FORD5-50	0.21	0.77	0.98
Mainstem	2014	Exposed	Fording	FORD5	FORD5-75	0	0.06	0.06

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2014	Exposed	Fording	FORD6	FORD6-25	0.09	0.39	0.48
Mainstem	2014	Exposed	Fording	FORD6	FORD6-50	0.21	0.52	0.73
Mainstem	2014	Exposed	Fording	FORD6	FORD6-75	0	0.07	0.07
Mainstem	2014	Exposed	Fording	FORD7	FORD7-25	0.6	0.89	1.49
Mainstem	2014	Exposed	Fording	FORD7	FORD7-50	0	0.03	0.03
Mainstem	2014	Exposed	Fording	FORD7	FORD7-75	0.52	0.88	1.4
Mainstem	2014	Exposed	Fording	FORD8	FORD8-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD8	FORD8-50	0.16	0.88	1.04
Mainstem	2014	Exposed	Fording	FORD8	FORD8-75	0	0.43	0.43
Mainstem	2014	Exposed	Fording	FORD9	FORD9-25	0	0	0
Mainstem	2014	Exposed	Fording	FORD9	FORD9-50	0	0	0
Mainstem	2014	Exposed	Fording	FORD9	FORD9-75	0	0	0
Tributary	2014	Exposed	Gardine	GARD1	GARD1-25	1.19	0.92	2.11
Tributary	2014	Exposed	Gardine	GARD1	GARD1-50	0	0	0
Tributary	2014	Exposed	Gardine	GARD1	GARD1-75	0	0	0
Tributary	2014	Exposed	Gate	GATE1	GATE1-0	0	0.05	0.05
Tributary	2014	Exposed	Gate	GATE2	GATE2-25	0	0	0
Tributary	2014	Exposed	Gate	GATE2	GATE2-50	0	0	0
Tributary	2014	Exposed	Gate	GATE2	GATE2-75	0	0	0
Tributary	2014	Exposed	Goddard	GODD1	GODD1-0	0	0	0
Tributary	2014	Exposed	Goddard	GODD2	GODD2-25	0	0	0
Tributary	2014	Exposed	Goddard	GODD2	GODD2-50	0	0	0
Tributary	2014	Exposed	Goddard	GODD2	GODD2-75	0	0	0
Tributary	2014	Exposed	Goddard	GODD3	GODD3-25	1.11	0.91	2.02
Tributary	2014	Exposed	Goddard	GODD3	GODD3-50	0.99	0.76	1.75
Tributary	2014	Exposed	Goddard	GODD3	GODD3-75	1.12	0.8	1.92
Tributary	2014	Reference	Grace	GRAC1	GRAC1-25	0	0.07	0.07
Tributary	2014	Reference	Grace	GRAC1	GRAC1-50	0.05	0.2	0.25

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Reference	Grace	GRAC1	GRAC1-75	0	0.27	0.27
Tributary	2014	Reference	Grace	GRAC2	GRAC2-25	0.02	0.1	0.12
Tributary	2014	Reference	Grace	GRAC2	GRAC2-50	0	0.14	0.14
Tributary	2014	Reference	Grace	GRAC2	GRAC2-75	0	0.04	0.04
Tributary	2014	Reference	Grace	GRAC3	GRAC3-25	0	0	0
Tributary	2014	Reference	Grace	GRAC3	GRAC3-50	0	0	0
Tributary	2014	Reference	Grace	GRAC3	GRAC3-75	0	0	0
Tributary	2014	Exposed	Grassy	GRAS1	GRAS1-25	0.04	0.12	0.16
Tributary	2014	Exposed	Grassy	GRAS1	GRAS1-50	0	0.04	0.04
Tributary	2014	Exposed	Grassy	GRAS1	GRAS1-75	0	0.06	0.06
Tributary	2014	Exposed	Grave	GRAV1	GRAV1-25	0.08	0.27	0.35
Tributary	2014	Exposed	Grave	GRAV1	GRAV1-50	0.29	0.46	0.75
Tributary	2014	Exposed	Grave	GRAV1	GRAV1-75	0.32	0.73	1.05
Tributary	2014	Exposed	Grave	GRAV2	GRAV2-25	0	0.32	0.32
Tributary	2014	Exposed	Grave	GRAV2	GRAV2-50	0.17	0.13	0.3
Tributary	2014	Exposed	Grave	GRAV2	GRAV2-75	0	0	0
Tributary	2014	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2014	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2014	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2014	Exposed	Greenhills	GREE1	GREE1-25	0	0.13	0.13
Tributary	2014	Exposed	Greenhills	GREE1	GREE1-50	0.57	0.86	1.43
Tributary	2014	Exposed	Greenhills	GREE1	GREE1-75	0.67	0.94	1.61
Tributary	2014	Exposed	Greenhills	GREE2	GREE2-25	0	0	0
Tributary	2014	Exposed	Greenhills	GREE3	GREE3-25	1.4	0.97	2.37
Tributary	2014	Exposed	Greenhills	GREE3	GREE3-50	1.26	0.86	2.12
Tributary	2014	Exposed	Greenhills	GREE3	GREE3-75	1.26	0.92	2.18
Tributary	2014	Exposed	Greenhills	GREE4	GREE4-25	1.73	0.97	2.7
Tributary	2014	Exposed	Greenhills	GREE4	GREE4-50	1.8	0.99	2.79

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Greenhills	GREE4	GREE4-75	1.86	0.98	2.84
Tributary	2014	Exposed	Harmer	HARM1	HARM1-25	0.21	0.67	0.88
Tributary	2014	Exposed	Harmer	HARM1	HARM1-50	0.17	0.75	0.92
Tributary	2014	Exposed	Harmer	HARM1	HARM1-75	0.49	0.95	1.44
Tributary	2014	Exposed	Harmer	HARM2	HARM2-0	0	0.15	0.15
Tributary	2014	Exposed	Harmer	HARM2	HARM2-50	0	0.05	0.05
Tributary	2014	Exposed	Harmer	HARM3	HARM3-25	0.27	0.31	0.58
Tributary	2014	Exposed	Harmer	HARM3	HARM3-50	0.08	0.09	0.17
Tributary	2014	Exposed	Harmer	HARM3	HARM3-75	0	0.08	0.08
Tributary	2014	Exposed	Harmer	HARM4	HARM4-25	0.21	0.33	0.54
Tributary	2014	Exposed	Harmer	HARM4	HARM4-50	0.64	0.65	1.29
Tributary	2014	Exposed	Harmer	HARM4	HARM4-75	0.01	0.25	0.26
Tributary	2014	Exposed	Harmer	HARM5	HARM5-25	0.34	0.73	1.07
Tributary	2014	Exposed	Harmer	HARM5	HARM5-50	0.09	0.31	0.4
Tributary	2014	Exposed	Harmer	HARM5	HARM5-75	0.06	0.15	0.21
Tributary	2014	Exposed	Henretta	HENR1	HENR1-25	0	0	0
Tributary	2014	Exposed	Henretta	HENR1	HENR1-50	0	0	0
Tributary	2014	Exposed	Henretta	HENR1	HENR1-75	0	0	0
Tributary	2014	Exposed	Henretta	HENR2	HENR2-25	0	0	0
Tributary	2014	Exposed	Henretta	HENR2	HENR2-50	0	0	0
Tributary	2014	Exposed	Henretta	HENR2	HENR2-75	0	0	0
Tributary	2014	Reference	Henretta	HENR3	HENR3-25	0	0	0
Tributary	2014	Reference	Henretta	HENR3	HENR3-50	0	0	0
Tributary	2014	Exposed	Kilmamock	KILM1	KILM1-50	1.72	0.98	2.7
Tributary	2014	Exposed	Kilmamock	KILM1	KILM1-75	0.37	0.2	0.57
Tributary	2014	Exposed	Lake Mountain	LMOU1	LMOU1-25	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU1	LMOU1-75	0.17	0.83	1

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Lake Mountain	LMOU2	LMOU2-0	0.04	0.05	0.09
Tributary	2014	Exposed	Lake Mountain	LMOU3	LMOU3-25	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU3	LMOU3-50	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU3	LMOU3-75	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU4	LMOU4-25	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU4	LMOU4-50	0	0	0
Tributary	2014	Exposed	Lake Mountain	LMOU4	LMOU4-75	0	0	0
Tributary	2014	Exposed	Leask	LEAS1	LEAS1-25	0	0	0
Tributary	2014	Exposed	Leask	LEAS1	LEAS1-50	0	0	0
Tributary	2014	Exposed	Leask	LEAS1	LEAS1-75	0.22	0.29	0.51
Tributary	2014	Exposed	Leask	LEAS2	LEAS2-25	0.7	0.7	1.4
Tributary	2014	Exposed	Leask	LEAS2	LEAS2-50	0.93	0.87	1.8
Tributary	2014	Exposed	Lindsay	LIND1	LIND1-25	0.08	0.7	0.78
Tributary	2014	Exposed	Lindsay	LIND1	LIND1-50	0	0	0
Tributary	2014	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2014	Exposed	Line	LINE1	LINE1-25	0	0	0
Tributary	2014	Exposed	Line	LINE1	LINE1-50	0	0	0
Tributary	2014	Exposed	Line	LINE1	LINE1-75	0	0	0
Tributary	2014	Exposed	Line	LINE2	LINE2-25	0	0	0
Tributary	2014	Exposed	Line	LINE2	LINE2-50	0	0	0
Tributary	2014	Exposed	Line	LINE2	LINE2-75	0	0	0
Tributary	2014	Exposed	Line	LINE3	LINE3-25	0	0	0
Tributary	2014	Exposed	Line	LINE3	LINE3-50	0	0	0
Tributary	2014	Exposed	Line	LINE3	LINE3-75	0	0	0
Tributary	2014	Exposed	Line	LINE4	LINE4-25	0	0.34	0.34
Tributary	2014	Exposed	Line	LINE4	LINE4-50	0	0.2	0.2
Tributary	2014	Exposed	Line	LINE4	LINE4-75	0.01	0.27	0.28
Tributary	2014	Reference	Line	LINE7	LINE7-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Reference	Line	LINE7	LINE7-50	0	0	0
Tributary	2014	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2014	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2014	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2014	Exposed	Michel	MICH1	MICH1-75	0	0	0
Mainstem	2014	Exposed	Michel	MICH2	MICH2-25	0	0	0
Mainstem	2014	Exposed	Michel	MICH2	MICH2-50	0	0	0
Mainstem	2014	Exposed	Michel	MICH2	MICH2-75	0	0.15	0.15
Mainstem	2014	Exposed	Michel	MICH3	MICH3-25	0	0	0
Mainstem	2014	Exposed	Michel	MICH3	MICH3-50	0	0	0
Mainstem	2014	Exposed	Michel	MICH3	MICH3-75	0	0	0
Mainstem	2014	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2014	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2014	Exposed	Michel	MICH4	MICH4-75	0	0	0
Mainstem	2014	Reference	Michel	MICH5	MICH5-25	0	0	0
Mainstem	2014	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2014	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2014	Exposed	Mickelson	MICK1	MICK1-25	0	0	0
Tributary	2014	Exposed	Mickelson	MICK1	MICK1-50	0	0	0
Tributary	2014	Exposed	Mickelson	MICK1	MICK1-75	0	0	0
Tributary	2014	Exposed	Mickelson	MICK2	MICK2-25	0	0	0
Tributary	2014	Exposed	Mickelson	MICK2	MICK2-50	0	0	0
Tributary	2014	Exposed	Milligan	MILL1	MILL1-0	0	0	0
Tributary	2014	Exposed	Milligan	MILL2	MILL2-0	0	0	0
Tributary	2014	Exposed	North Thompson	NTHO1	NTHO1-25	1.52	0.87	2.39
Tributary	2014	Exposed	North Thompson	NTHO1	NTHO1-50	1.46	0.93	2.39
Tributary	2014	Exposed	North Wolfram	NWOL1	NWOL1-25	0.61	0.61	1.22
Tributary	2014	Exposed	North Wolfram	NWOL1	NWOL1-50	0.52	0.91	1.43

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Exposed	Otto	OTTO1	OTTO1-0	0.02	0.2	0.22
Tributary	2014	Exposed	Otto	OTTO2	OTTO2-25	0	0	0
Tributary	2014	Exposed	Otto	OTTO2	OTTO2-50	0	0	0
Tributary	2014	Exposed	Otto	OTTO2	OTTO2-75	0	0	0
Tributary	2014	Exposed	Otto	OTTO3	OTTO3-25	0.02	0.05	0.07
Tributary	2014	Exposed	Otto	OTTO3	OTTO3-50	0	0	0
Tributary	2014	Exposed	Otto	OTTO3	OTTO3-75	0	0	0
Tributary	2014	Exposed	Pengally	PENG1	PENG1-0	0	0.03	0.03
Tributary	2014	Exposed	Pengally	PENG1	PENG1-50	0	0	0
Tributary	2014	Exposed	Porter	PORT1	PORT1-0	0.06	0.78	0.84
Tributary	2014	Exposed	Porter	PORT2	PORT2-0	0	0.1	0.1
Tributary	2014	Exposed	Porter	PORT3a	PORT3a-25	0.4	0.94	1.34
Tributary	2014	Exposed	Porter	PORT3b	PORT3b-50	0.85	0.89	1.74
Tributary	2014	Exposed	Porter	PORT3b	PORT3b-75	1.88	0.94	2.82
Tributary	2014	Exposed	Qualteri	QUAL1	QUAL1-0	0	0	0
Tributary	2014	Exposed	Sawmill	SAWM1	SAWM1-0	0	0	0
Tributary	2014	Exposed	Sawmill	SAWM1	SAWM1-50	0	0	0
Tributary	2014	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2014	Exposed	Sawmill	SAWM2	SAWM2-50	0.47	0.61	1.08
Tributary	2014	Exposed	Six Mile	SIXM1	SIXM1-25	0.34	1	1.34
Tributary	2014	Exposed	Six Mile	SIXM1	SIXM1-50	0.3	0.94	1.24
Tributary	2014	Exposed	Six Mile	SIXM1	SIXM1-75	0.31	0.69	1
Tributary	2014	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.39	0.85	2.24
Tributary	2014	Proposed	Snowslide	SNOW1	SNOW1-25	0	0	0
Tributary	2014	Proposed	Snowslide	SNOW1	SNOW1-50	0	0	0
Tributary	2014	Proposed	Snowslide	SNOW1	SNOW1-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Reference	South Line	SLINE2	SLINE2-25	0	0	0
Tributary	2014	Reference	South Line	SLINE2	SLINE2-50	0	0	0
Tributary	2014	Reference	South Line	SLINE2	SLINE2-75	0	0	0
Tributary	2014	Exposed	South Pit	SPIT1	SPIT1-25	0	0	0
Tributary	2014	Exposed	South Pit	SPIT1	SPIT1-50	0	0	0
Tributary	2014	Exposed	South Pit	SPIT1	SPIT1-75	0	0	0
Tributary	2014	Exposed	South Pit	SPIT2	SPIT2-25	0	0	0
Tributary	2014	Exposed	South Pit	SPIT2	SPIT2-75	0	0	0
Tributary	2014	Exposed	South Pond Seep	SPSE1	SPSE1-50	1	0.5	1.5
Tributary	2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	0.6	0.66	1.26
Tributary	2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	1.15	0.8	1.95
Tributary	2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-75	1.75	0.95	2.7
Tributary	2014	Exposed	Spring	SPRI1	SPRI1-0	0	0.11	0.11
Tributary	2014	Exposed	Swift	SWIF1	SWIF1-0	1.27	0.91	2.18
Tributary	2014	Exposed	Swift	SWIF2	SWIF2-25	0	0.1	0.1
Tributary	2014	Exposed	Swift	SWIF2	SWIF2-50	0.13	0.4	0.53
Tributary	2014	Exposed	Swift	SWIF2	SWIF2-75	1.61	0.88	2.49
Tributary	2014	Exposed	Thompson	THOM1	THOM1-0	0	0	0
Tributary	2014	Exposed	Thompson	THOM2	THOM2-25	0	0	0
Tributary	2014	Exposed	Thompson	THOM2	THOM2-50	0	0	0
Tributary	2014	Exposed	Thompson	THOM2	THOM2-75	0	0	0
Tributary	2014	Exposed	Thompson	THOM3	THOM3-25	0	0	0
Tributary	2014	Exposed	Thompson	THOM3	THOM3-50	0	0	0
Tributary	2014	Exposed	Thompson	THOM3	THOM3-75	0	0	0
Tributary	2014	Exposed	Thresher	THRE1	THRE1-25	0	0	0
Tributary	2014	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2014	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2014	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2014	Proposed	Wheeler	WHEE1	WHEE1-25	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE1	WHEE1-50	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE1	WHEE1-75	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE2	WHEE2-25	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE2	WHEE2-50	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE2	WHEE2-75	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE3	WHEE3-25	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE3	WHEE3-50	0	0	0
Tributary	2014	Proposed	Wheeler	WHEE3	WHEE3-75	0	0	0
Tributary	2014	Exposed	Wolfram	WOLF2	WOLF2-25	0	0	0
Tributary	2014	Exposed	Wolfram	WOLF2	WOLF2-50	0	0	0
Tributary	2014	Exposed	Wolfram	WOLF2	WOLF2-75	0.18	0.24	0.42
Tributary	2014	Exposed	Wolfram	WOLF3	WOLF3-25	1.13	0.87	2
Tributary	2014	Exposed	Wolfram	WOLF3	WOLF3-50	1.22	0.88	2.1
Tributary	2014	Exposed	Wolfram	WOLF3	WOLF3-75	1.28	0.83	2.11
Tributary	2015	Reference	Alexander	ALEX3	ALEX3-25	0	0.5	0.5
Tributary	2015	Reference	Alexander	ALEX3	ALEX3-50	0	0.32	0.32
Tributary	2015	Reference	Alexander	ALEX3	ALEX3-75	0.02	0.35	0.37
Tributary	2015	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2015	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2015	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE2	AQUE2-0	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE2	AQUE2-50	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE3	AQUE3-25	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE3	AQUE3-50	0	0	0
Tributary	2015	Exposed	Aqueduct	AQUE3	AQUE3-75	0	0	0
Tributary	2015	Exposed	Balmer	BALM1	BALM1-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Bodie	BODI1	BODI1-25	0	0	0
Tributary	2015	Exposed	Bodie	BODI1	BODI1-50	0	0	0
Tributary	2015	Exposed	Bodie	BODI1	BODI1-75	0	0	0
Tributary	2015	Exposed	CCR Seep	CSEE1	CSEE1-0	0.54	0.31	0.85
Tributary	2015	Proposed	Carbon	CARB1	CARB1-25	0	0	0
Tributary	2015	Proposed	Carbon	CARB1	CARB1-50	0	0	0
Tributary	2015	Proposed	Carbon	CARB1	CARB1-75	0	0	0
Tributary	2015	Proposed	Carbon	CARB2	CARB2-25	0	0	0
Tributary	2015	Proposed	Carbon	CARB2	CARB2-50	0	0	0
Tributary	2015	Proposed	Carbon	CARB2	CARB2-75	0	0	0
Tributary	2015	Exposed	Cataract	CATA1	CATA1-0	2	1	3
Tributary	2015	Exposed	Cataract	CATA3	CATA3-0	1.51	1	2.51
Tributary	2015	Exposed	Cataract	CATA3	CATA3-50	1.64	0.97	2.61
Tributary	2015	Reference	Chauncey	CHAU1	CHAU1-25	0	0	0
Tributary	2015	Reference	Chauncey	CHAU1	CHAU1-50	0	0	0
Tributary	2015	Reference	Chauncey	CHAU1	CHAU1-75	0	0	0
Tributary	2015	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.16	0.87	1.03
Tributary	2015	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0	0
Tributary	2015	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0	0	0
Tributary	2015	Exposed	Corbin	CORB1	CORB1-25	1.6	1	2.6
Tributary	2015	Exposed	Corbin	CORB1	CORB1-37.5	1.83	1	2.83
Tributary	2015	Exposed	Corbin	CORB1	CORB1-50	1.93	1	2.93
Tributary	2015	Exposed	Corbin	CORB1	CORB1-62.5	1.76	1	2.76
Tributary	2015	Exposed	Corbin	CORB1	CORB1-75	1.63	1	2.63
Tributary	2015	Exposed	Corbin	CORB1	CORB1-87.5	1.01	0.95	1.96
Tributary	2015	Exposed	Corbin	CORB2	CORB2-12.5	0.78	0.97	1.75

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Corbin	CORB2	CORB2-25	1.88	1	2.88
Tributary	2015	Exposed	Corbin	CORB2	CORB2-37.5	1.99	1	2.99
Tributary	2015	Exposed	Corbin	CORB2	CORB2-50	1.92	1	2.92
Tributary	2015	Exposed	Corbin	CORB2	CORB2-75	1.96	1	2.96
Tributary	2015	Exposed	Corbin	CORB2	CORB2-87.5	0	0	0
Tributary	2015	Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.25	0.94	2.19
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.41	0.87	2.28
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-37.5	1.8	0.96	2.76
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.84	0.98	2.82
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-62.5	1.34	0.81	2.15
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.38	0.93	2.31
Tributary	2015	Exposed	Dry (EVO)	DRYE3	DRYE3-99	1.58	0.98	2.56
Tributary	2015	Exposed	Dry (EVO)	DRYE4	DRYE4-25	1.43	0.94	2.37
Tributary	2015	Proposed	Dry (LCO)	DRYL1	DRYL1-25	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL1	DRYL1-50	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL1	DRYL1-75	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL2	DRYL2-25	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL2	DRYL2-50	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL2	DRYL2-75	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL3	DRYL3-25	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL3	DRYL3-50	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL3	DRYL3-75	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL4	DRYL4-25	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL4	DRYL4-50	0	0	0
Tributary	2015	Proposed	Dry (LCO)	DRYL4	DRYL4-75	0	0	0
Tributary	2015	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0.32	0.26	0.58

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2015	Exposed	Elk	ELKR10	ELKR10-25	0	0	0
Mainstem	2015	Exposed	Elk	ELKR10	ELKR10-50	0	0	0
Mainstem	2015	Exposed	Elk	ELKR10	ELKR10-75	0	0	0
Mainstem	2015	Exposed	Elk	ELKR11	ELKR11-25	0	0	0
Mainstem	2015	Exposed	Elk	ELKR11	ELKR11-50	0	0	0
Mainstem	2015	Exposed	Elk	ELKR11	ELKR11-75	0	0	0
Mainstem	2015	Exposed	Elk	ELKR12	ELKR12-25	0	0	0
Mainstem	2015	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2015	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2015	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2015	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2015	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2015	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2015	Exposed	Elk	ELKR8	ELKR8-50	0	0	0
Mainstem	2015	Exposed	Elk	ELKR8	ELKR8-75	0	0	0
Mainstem	2015	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2015	Exposed	Elk	ELKR9	ELKR9-50	0	0	0
Mainstem	2015	Exposed	Elk	ELKR9	ELKR9-75	0	0	0
Tributary	2015	Exposed	Erickson	ERIC1	ERIC1-0	1.77	0.92	2.69
Tributary	2015	Exposed	Erickson	ERIC1	ERIC1-50	1.86	0.99	2.85
Tributary	2015	Exposed	Erickson	ERIC2	ERIC2-0	1.68	0.9	2.58
Tributary	2015	Exposed	Erickson	ERIC3	ERIC3-0	2	1	3
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-12.5	1.42	0.91	2.33
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-25	0.85	0.71	1.56
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-37.5	0.15	0.7	0.85
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-50	0.1	0.61	0.71
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-62.5	0.08	0.75	0.83
Tributary	2015	Exposed	Erickson	ERIC4	ERIC4-75	0.14	0.6	0.74

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2015	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2015	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2015	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2015	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2015	Exposed	Fennelon	FENN1	FENN1-75	0	0	0
Tributary	2015	Exposed	Fish Pond	FPON1	FPON1-25	0	0	0
Tributary	2015	Exposed	Fish Pond	FPON1	FPON1-50	0	0	0
Tributary	2015	Exposed	Fish Pond	FPON1	FPON1-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD1	FORD1-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD1	FORD1-50	0	0	0
Mainstem	2015	Exposed	Fording	FORD1	FORD1-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD10	FORD10-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD10	FORD10-50	0	0	0
Mainstem	2015	Exposed	Fording	FORD10	FORD10-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD11	FORD11-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD11	FORD11-50	0	0	0
Mainstem	2015	Exposed	Fording	FORD11	FORD11-75	0	0	0
Mainstem	2015	Reference	Fording	FORD12	FORD12-25	0	0	0
Mainstem	2015	Reference	Fording	FORD12	FORD12-50	0	0	0
Mainstem	2015	Reference	Fording	FORD12	FORD12-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD2	FORD2-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD2	FORD2-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2015	Exposed	Fording	FORD2	FORD2-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD3	FORD3-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD3	FORD3-50	0	0	0
Mainstem	2015	Exposed	Fording	FORD3	FORD3-75	0	0	0
Mainstem	2015	Exposed	Fording	FORD4	FORD4-25	0	0.13	0.13
Mainstem	2015	Exposed	Fording	FORD4	FORD4-50	0	0.99	0.99
Mainstem	2015	Exposed	Fording	FORD4	FORD4-75	0	0.87	0.87
Mainstem	2015	Exposed	Fording	FORD5	FORD5-12.5	0	0.29	0.29
Mainstem	2015	Exposed	Fording	FORD5	FORD5-25	0	0.27	0.27
Mainstem	2015	Exposed	Fording	FORD5	FORD5-37.5	0	0.49	0.49
Mainstem	2015	Exposed	Fording	FORD5	FORD5-50	0	0.69	0.69
Mainstem	2015	Exposed	Fording	FORD5	FORD5-75	0	0.68	0.68
Mainstem	2015	Exposed	Fording	FORD5	FORD5-87.5	0	0.78	0.78
Mainstem	2015	Exposed	Fording	FORD6	FORD6-25	1.17	0.99	2.16
Mainstem	2015	Exposed	Fording	FORD6	FORD6-50	0.93	0.93	1.86
Mainstem	2015	Exposed	Fording	FORD6	FORD6-75	0	0.56	0.56
Mainstem	2015	Exposed	Fording	FORD7	FORD7-25	0	0.72	0.72
Mainstem	2015	Exposed	Fording	FORD7	FORD7-50	0	0.33	0.33
Mainstem	2015	Exposed	Fording	FORD7	FORD7-75	0.01	0.59	0.6
Mainstem	2015	Exposed	Fording	FORD8	FORD8-25	0	0.14	0.14
Mainstem	2015	Exposed	Fording	FORD8	FORD8-50	0	0.86	0.86
Mainstem	2015	Exposed	Fording	FORD8	FORD8-75	0.03	0.41	0.44
Mainstem	2015	Exposed	Fording	FORD9	FORD9-25	0	0	0
Mainstem	2015	Exposed	Fording	FORD9	FORD9-50	0	0	0
Mainstem	2015	Exposed	Fording	FORD9	FORD9-75	0	0	0
Tributary	2015	Exposed	Gardine	GARD1	GARD1-25	0.17	0.8	0.97

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Gardine	GARD1	GARD1-50	0	0	0
Tributary	2015	Exposed	Gardine	GARD1	GARD1-75	0	0	0
Tributary	2015	Exposed	Gate	GATE2	GATE2-25	0	0	0
Tributary	2015	Exposed	Gate	GATE2	GATE2-50	0.78	0.53	1.31
Tributary	2015	Exposed	Gate	GATE2	GATE2-75	0.36	0.55	0.91
Tributary	2015	Exposed	Goddard	GODD1	GODD1-0	0	0	0
Tributary	2015	Exposed	Goddard	GODD2	GODD2-25	0	0	0
Tributary	2015	Exposed	Goddard	GODD2	GODD2-50	0	0	0
Tributary	2015	Exposed	Goddard	GODD2	GODD2-75	0	0	0
Tributary	2015	Exposed	Goddard	GODD3	GODD3-25	1.36	0.86	2.22
Tributary	2015	Exposed	Goddard	GODD3	GODD3-50	1.14	0.74	1.88
Tributary	2015	Exposed	Goddard	GODD3	GODD3-75	1.13	0.67	1.8
Tributary	2015	Reference	Grace	GRAC1	GRAC1-12.5	0	0.04	0.04
Tributary	2015	Reference	Grace	GRAC1	GRAC1-25	0	0.04	0.04
Tributary	2015	Reference	Grace	GRAC1	GRAC1-37.5	0	0.08	0.08
Tributary	2015	Reference	Grace	GRAC1	GRAC1-50	0	0.02	0.02
Tributary	2015	Reference	Grace	GRAC1	GRAC1-75	0	0.13	0.13
Tributary	2015	Reference	Grace	GRAC1	GRAC1-87.5	0	0.01	0.01
Tributary	2015	Reference	Grace	GRAC2	GRAC2-25	0	0.1	0.1
Tributary	2015	Reference	Grace	GRAC2	GRAC2-50	0	0.14	0.14
Tributary	2015	Reference	Grace	GRAC2	GRAC2-75	0	0.05	0.05
Tributary	2015	Reference	Grace	GRAC3	GRAC3-25	0	0	0
Tributary	2015	Reference	Grace	GRAC3	GRAC3-50	0	0	0
Tributary	2015	Reference	Grace	GRAC3	GRAC3-75	0	0	0
Tributary	2015	Exposed	Grassy	GRAS1	GRAS1-25	0	0	0
Tributary	2015	Exposed	Grassy	GRAS1	GRAS1-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Grassy	GRAS1	GRAS1-75	0	0	0
Tributary	2015	Exposed	Grave	GRAV1	GRAV1-25	0	0.01	0.01
Tributary	2015	Exposed	Grave	GRAV1	GRAV1-50	0	0.04	0.04
Tributary	2015	Exposed	Grave	GRAV1	GRAV1-75	0	0.01	0.01
Tributary	2015	Exposed	Grave	GRAV2	GRAV2-25	0	0	0
Tributary	2015	Exposed	Grave	GRAV2	GRAV2-50	0	0	0
Tributary	2015	Exposed	Grave	GRAV2	GRAV2-75	0	0	0
Tributary	2015	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2015	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2015	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2015	Exposed	Greenhills	GREE1	GREE1-25	0	0.06	0.06
Tributary	2015	Exposed	Greenhills	GREE1	GREE1-50	0.02	0.46	0.48
Tributary	2015	Exposed	Greenhills	GREE1	GREE1-75	0.1	0.7	0.8
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-12.5	1.33	0.9	2.23
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-25	1.57	0.98	2.55
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-37.5	1.27	0.95	2.22
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-50	1.64	0.89	2.53
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-62.5	1.71	0.97	2.68
Tributary	2015	Exposed	Greenhills	GREE3	GREE3-75	1.58	0.94	2.52
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-12.5	1.9	0.96	2.86
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-25	1.83	0.94	2.77
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-37.5	1.83	0.98	2.81
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-50	1.9	0.98	2.88
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-62.5	1.76	0.94	2.7
Tributary	2015	Exposed	Greenhills	GREE4	GREE4-75	1.82	0.94	2.76

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Harmer	HARM1	HARM1-25	0	0.03	0.03
Tributary	2015	Exposed	Harmer	HARM1	HARM1-50	0	0.04	0.04
Tributary	2015	Exposed	Harmer	HARM1	HARM1-75	0	0.13	0.13
Tributary	2015	Exposed	Harmer	HARM3	HARM3-25	0	0.02	0.02
Tributary	2015	Exposed	Harmer	HARM3	HARM3-50	0	0	0
Tributary	2015	Exposed	Harmer	HARM3	HARM3-75	0	0	0
Tributary	2015	Exposed	Harmer	HARM4	HARM4-12.5	0	0.23	0.23
Tributary	2015	Exposed	Harmer	HARM4	HARM4-25	0	0.05	0.05
Tributary	2015	Exposed	Harmer	HARM4	HARM4-37.5	0	0.1	0.1
Tributary	2015	Exposed	Harmer	HARM4	HARM4-50	0	0.28	0.28
Tributary	2015	Exposed	Harmer	HARM4	HARM4-62.5	0	0.29	0.29
Tributary	2015	Exposed	Harmer	HARM4	HARM4-75	0	0.04	0.04
Tributary	2015	Exposed	Harmer	HARM5	HARM5-25	0	0.31	0.31
Tributary	2015	Exposed	Harmer	HARM5	HARM5-50	0	0.19	0.19
Tributary	2015	Exposed	Harmer	HARM5	HARM5-75	0	0.16	0.16
Tributary	2015	Exposed	Henretta	HENR1	HENR1-25	0	0	0
Tributary	2015	Exposed	Henretta	HENR1	HENR1-50	0	0	0
Tributary	2015	Exposed	Henretta	HENR1	HENR1-75	0	0	0
Tributary	2015	Exposed	Henretta	HENR2	HENR2-25	0	0	0
Tributary	2015	Exposed	Henretta	HENR2	HENR2-50	0	0	0
Tributary	2015	Exposed	Henretta	HENR2	HENR2-75	0	0	0
Tributary	2015	Reference	Henretta	HENR3	HENR3-25	0	0	0
Tributary	2015	Exposed	Kilmamock	KILM1	KILM1-25	1.61	0.95	2.56
Tributary	2015	Exposed	Kilmamock	KILM1	KILM1-50	1.83	0.94	2.77
Tributary	2015	Exposed	Kilmamock	KILM1	KILM1-62.5	1.61	0.83	2.44
Tributary	2015	Exposed	Kilmamock	KILM1	KILM1-75	1.37	0.72	2.09

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Kilmamock	KILM1	KILM1-87.5	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU1	LMOU1-25	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU1	LMOU1-75	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU3	LMOU3-25	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU3	LMOU3-50	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU3	LMOU3-75	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU4	LMOU4-25	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU4	LMOU4-50	0	0	0
Tributary	2015	Exposed	Lake Mountain	LMOU4	LMOU4-75	0	0	0
Tributary	2015	Exposed	Leask	LEAS2	LEAS2-25	0	0.24	0.24
Tributary	2015	Exposed	Lindsay	LIND1	LIND1-25	0.05	0.51	0.56
Tributary	2015	Exposed	Lindsay	LIND1	LIND1-50	0	0	0
Tributary	2015	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2015	Exposed	Line	LINE1	LINE1-25	0	0	0
Tributary	2015	Exposed	Line	LINE1	LINE1-50	0	0	0
Tributary	2015	Exposed	Line	LINE1	LINE1-75	0	0	0
Tributary	2015	Exposed	Line	LINE2	LINE2-25	0	0	0
Tributary	2015	Exposed	Line	LINE2	LINE2-50	0	0	0
Tributary	2015	Exposed	Line	LINE2	LINE2-75	0	0	0
Tributary	2015	Exposed	Line	LINE3	LINE3-25	0	0	0
Tributary	2015	Exposed	Line	LINE3	LINE3-50	0	0	0
Tributary	2015	Exposed	Line	LINE3	LINE3-75	0	0	0
Tributary	2015	Exposed	Line	LINE4	LINE4-25	0.19	0.58	0.77
Tributary	2015	Exposed	Line	LINE4	LINE4-50	0.1	0.46	0.56
Tributary	2015	Exposed	Line	LINE4	LINE4-75	0.12	0.58	0.7
Tributary	2015	Reference	Line	LINE7	LINE7-25	0	0	0
Tributary	2015	Reference	Line	LINE7	LINE7-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2015	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2015	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2015	Exposed	Michel	MICH1	MICH1-75	0	0	0
Mainstem	2015	Exposed	Michel	MICH2	MICH2-25	0	0	0
Mainstem	2015	Exposed	Michel	MICH2	MICH2-50	0	0	0
Mainstem	2015	Exposed	Michel	MICH2	MICH2-75	0	0	0
Mainstem	2015	Exposed	Michel	MICH3	MICH3-25	0	0	0
Mainstem	2015	Exposed	Michel	MICH3	MICH3-50	0	0	0
Mainstem	2015	Exposed	Michel	MICH3	MICH3-75	0	0	0
Mainstem	2015	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2015	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2015	Exposed	Michel	MICH4	MICH4-75	0	0	0
Mainstem	2015	Reference	Michel	MICH5	MICH5-25	0	0	0
Mainstem	2015	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2015	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2015	Exposed	Mickelson	MICK1	MICK1-25	0	0	0
Tributary	2015	Exposed	Mickelson	MICK1	MICK1-50	0	0	0
Tributary	2015	Exposed	Mickelson	MICK1	MICK1-75	0	0	0
Tributary	2015	Exposed	Mickelson	MICK2	MICK2-25	0	0	0
Tributary	2015	Exposed	Mickelson	MICK2	MICK2-50	0	0.09	0.09
Tributary	2015	Exposed	Mickelson	MICK2	MICK2-75	0	0	0
Tributary	2015	Exposed	Milligan	MILL1	MILL1-0	0	0	0
Tributary	2015	Exposed	Milligan	MILL2	MILL2-0	0	0	0
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-12.5	0	0.29	0.29
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-25	0.92	0.89	1.81
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-37.5	0.88	0.78	1.66

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-50	0.91	0.73	1.64
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-62.5	0.56	0.77	1.33
Tributary	2015	Exposed	North Thompson	NTHO1	NTHO1-75	0.12	0.21	0.33
Tributary	2015	Exposed	North Wolfram	NWOL1	NWOL1-25	0.08	0.34	0.42
Tributary	2015	Exposed	North Wolfram	NWOL1	NWOL1-50	0	0	0
Tributary	2015	Exposed	Otto	OTTO1	OTTO1-0	0	0.1	0.1
Tributary	2015	Exposed	Otto	OTTO2	OTTO2-25	0	0	0
Tributary	2015	Exposed	Otto	OTTO2	OTTO2-50	0	0	0
Tributary	2015	Exposed	Otto	OTTO2	OTTO2-75	0	0	0
Tributary	2015	Exposed	Otto	OTTO3	OTTO3-25	0	0	0
Tributary	2015	Exposed	Otto	OTTO3	OTTO3-50	0	0	0
Tributary	2015	Exposed	Otto	OTTO3	OTTO3-75	0	0	0
Tributary	2015	Exposed	Pengally	PENG1	PENG1-0	0	0.03	0.03
Tributary	2015	Exposed	Pengally	PENG1	PENG1-50	0	0	0
Tributary	2015	Exposed	Porter	PORT1	PORT1-0	0.23	0.62	0.85
Tributary	2015	Exposed	Porter	PORT3a	PORT3a-25	0.33	0.59	0.92
Tributary	2015	Exposed	Porter	PORT3b	PORT3b-50	1.29	0.78	2.07
Tributary	2015	Exposed	Porter	PORT3b	PORT3b-75	1.85	0.98	2.83
Tributary	2015	Exposed	Qualteri	QUAL1	QUAL1-0	0	0	0
Tributary	2015	Exposed	Sawmill	SAWM1	SAWM1-0	0	0	0
Tributary	2015	Exposed	Sawmill	SAWM1	SAWM1-50	0	0	0
Tributary	2015	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2015	Exposed	Sawmill	SAWM2	SAWM2-50	0.63	0.61	1.24
Tributary	2015	Exposed	Six Mile	SIXM1	SIXM1-25	0	0.58	0.58
Tributary	2015	Exposed	Six Mile	SIXM1	SIXM1-50	0	0.38	0.38
Tributary	2015	Exposed	Six Mile	SIXM1	SIXM1-75	0	0.5	0.5

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.39	0.85	2.24
Tributary	2015	Proposed	Snowslide	SNOW1	SNOW1-25	0	0	0
Tributary	2015	Proposed	Snowslide	SNOW1	SNOW1-50	0	0	0
Tributary	2015	Proposed	Snowslide	SNOW1	SNOW1-75	0	0	0
Tributary	2015	Reference	South Line	SLINE2	SLINE2-25	0	0	0
Tributary	2015	Reference	South Line	SLINE2	SLINE2-50	0	0	0
Tributary	2015	Reference	South Line	SLINE2	SLINE2-75	0	0	0
Tributary	2015	Exposed	South Pit	SPIT1	SPIT1-0	1.26	0.87	2.13
Tributary	2015	Exposed	South Pit	SPIT1	SPIT1-25	1.32	0.87	2.19
Tributary	2015	Exposed	South Pit	SPIT1	SPIT1-50	0.12	0.12	0.24
Tributary	2015	Exposed	South Pit	SPIT1	SPIT1-75	0	0	0
Tributary	2015	Exposed	South Pit	SPIT2	SPIT2-25	0	0	0
Tributary	2015	Exposed	South Pit	SPIT2	SPIT2-75	0	0	0
Tributary	2015	Exposed	South Pond Seep	SPSE1	SPSE1-50	0.02	0.08	0.1
Tributary	2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	0.22	0.63	0.85
Tributary	2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	0	0	0
Tributary	2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-75	0	0	0
Tributary	2015	Exposed	Spring	SPRI1	SPRI1-0	0	0.11	0.11
Tributary	2015	Exposed	Swift	SWIF1	SWIF1-0	1.53	0.86	2.39
Tributary	2015	Exposed	Swift	SWIF2	SWIF2-25	0	0	0
Tributary	2015	Exposed	Swift	SWIF2	SWIF2-50	0	0	0
Tributary	2015	Exposed	Swift	SWIF2	SWIF2-75	1.53	0.93	2.46
Tributary	2015	Exposed	Thompson	THOM1	THOM1-0	0	0	0
Tributary	2015	Exposed	Thompson	THOM2	THOM2-25	0	0	0
Tributary	2015	Exposed	Thompson	THOM2	THOM2-50	0	0.04	0.04
Tributary	2015	Exposed	Thompson	THOM2	THOM2-75	0	0	0
Tributary	2015	Exposed	Thompson	THOM3	THOM3-25	0	0	0
Tributary	2015	Exposed	Thompson	THOM3	THOM3-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2015	Exposed	Thompson	THOM3	THOM3-75	0	0	0
Tributary	2015	Exposed	Thresher	THRE1	THRE1-25	0	0	0
Tributary	2015	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2015	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2015	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE1	WHEE1-25	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE1	WHEE1-50	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE1	WHEE1-75	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE2	WHEE2-25	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE2	WHEE2-50	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE2	WHEE2-75	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE3	WHEE3-25	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE3	WHEE3-50	0	0	0
Tributary	2015	Proposed	Wheeler	WHEE3	WHEE3-75	0	0	0
Tributary	2015	Exposed	Wolfram	WOLF2	WOLF2-25	0	0	0
Tributary	2015	Exposed	Wolfram	WOLF2	WOLF2-50	0	0	0
Tributary	2015	Exposed	Wolfram	WOLF2	WOLF2-75	0.06	0.64	0.7
Tributary	2015	Exposed	Wolfram	WOLF3	WOLF3-25	0.37	0.92	1.29
Tributary	2015	Exposed	Wolfram	WOLF3	WOLF3-50	1.01	0.86	1.87
Tributary	2015	Exposed	Wolfram	WOLF3	WOLF3-75	0.8	0.84	1.64
Tributary	2016	Reference	Alexander	ALEX3	ALEX3-25	0	0.39	0.39
Tributary	2016	Reference	Alexander	ALEX3	ALEX3-50	0	0.53	0.53
Tributary	2016	Reference	Alexander	ALEX3	ALEX3-75	0.06	0.39	0.45
Tributary	2016	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2016	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2016	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2016	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2016	Exposed	Balmer	BALM1	BALM1-25	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Bodie	BODI1	BODI1-25	0.05	0.35	0.4
Tributary	2016	Exposed	Bodie	BODI1	BODI1-50	0.13	0.99	1.12
Tributary	2016	Exposed	Bodie	BODI1	BODI1-75	0.24	0.62	0.86
Tributary	2016	Exposed	Bodie	BODI3	BODI3-25	0.92	0.79	1.71
Tributary	2016	Exposed	Bodie	BODI3	BODI3-50	1.38	0.84	2.22
Tributary	2016	Exposed	Bodie	BODI3	BODI3-75	0.74	0.64	1.38
Tributary	2016	Exposed	CCR Seep	CSEE1	CSEE1-0	0.58	0.82	1.4
Tributary	2016	Exposed	Cataract	CATA1	CATA1-0	2	1	3
Tributary	2016	Reference	Chauncey	CHAU1	CHAU1-25	0	0.09	0.09
Tributary	2016	Reference	Chauncey	CHAU1	CHAU1-50	0.03	0.19	0.22
Tributary	2016	Reference	Chauncey	CHAU1	CHAU1-75	0	0.21	0.21
Tributary	2016	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.25	0.96	1.21
Tributary	2016	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0.5	0.5
Tributary	2016	Exposed	Corbin (2)	CORB1	CORB1-25	1.53	1	2.53
Tributary	2016	Exposed	Corbin (2)	CORB1	CORB1-50	1.2	1	2.2
Tributary	2016	Exposed	Corbin (2)	CORB1	CORB1-75	0.9	0.99	1.89
Tributary	2016	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.57	0.92	2.49
Tributary	2016	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.52	0.97	2.49
Tributary	2016	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.54	1	2.54
Tributary	2016	Proposed	Dry (LCO)	DRYL1	DRYL1-25	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL1	DRYL1-50	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL1	DRYL1-75	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL2	DRYL2-25	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL2	DRYL2-50	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL2	DRYL2-75	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL3	DRYL3-25	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL3	DRYL3-50	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL3	DRYL3-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Proposed	Dry (LCO)	DRYL4	DRYL4-25	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL4	DRYL4-50	0	0	0
Tributary	2016	Proposed	Dry (LCO)	DRYL4	DRYL4-75	0	0	0
Tributary	2016	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0.06	0.14	0.2
Mainstem	2016	Exposed	Elk	ELKR12	ELKR12-25	0	0	0
Mainstem	2016	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2016	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2016	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2016	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2016	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2016	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2016	Exposed	Elk	ELKR8	ELKR8-50	0	0	0
Mainstem	2016	Exposed	Elk	ELKR8	ELKR8-75	0	0	0
Mainstem	2016	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2016	Exposed	Elk	ELKR9	ELKR9-50	0	0	0
Mainstem	2016	Exposed	Elk	ELKR9	ELKR9-75	0	0	0
Tributary	2016	Exposed	Erickson	ERIC1	ERIC1-0	1.43	0.93	2.36
Tributary	2016	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2016	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2016	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2016	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2016	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2016	Exposed	Fennelon	FENN1	FENN1-75	0	0	0
Tributary	2016	Exposed	Fish Pond	FPON1	FPON1-25	0	0.04	0.04
Tributary	2016	Exposed	Fish Pond	FPON1	FPON1-50	0	0.1	0.1
Tributary	2016	Exposed	Fish Pond	FPON1	FPON1-75	0	0.09	0.09
Mainstem	2016	Exposed	Fording	FORD1	FORD1-25	0	0.45	0.45
Mainstem	2016	Exposed	Fording	FORD1	FORD1-50	0	0.2	0.2

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2016	Exposed	Fording	FORD1	FORD1-75	0	0.47	0.47
Mainstem	2016	Reference	Fording	FORD12	FORD12-25	0	0	0
Mainstem	2016	Reference	Fording	FORD12	FORD12-50	0	0	0
Mainstem	2016	Reference	Fording	FORD12	FORD12-75	0	0	0
Mainstem	2016	Exposed	Fording	FORD2	FORD2-25	0	0	0
Mainstem	2016	Exposed	Fording	FORD2	FORD2-50	0	0	0
Mainstem	2016	Exposed	Fording	FORD2	FORD2-75	0	0	0
Mainstem	2016	Exposed	Fording	FORD4	FORD4-25	0.16	0.79	0.95
Mainstem	2016	Exposed	Fording	FORD4	FORD4-50	0	0.2	0.2
Mainstem	2016	Exposed	Fording	FORD4	FORD4-75	0.01	0.63	0.64
Mainstem	2016	Exposed	Fording	FORD5	FORD5-12.5	0	0.46	0.46
Mainstem	2016	Exposed	Fording	FORD5	FORD5-25	0	0.5	0.5
Mainstem	2016	Exposed	Fording	FORD5	FORD5-50	0	0.78	0.78
Mainstem	2016	Exposed	Fording	FORD6	FORD6-12.5	0	0.77	0.77
Mainstem	2016	Exposed	Fording	FORD6	FORD6-25	0	0.5	0.5
Mainstem	2016	Exposed	Fording	FORD6	FORD6-37.5	0	0.61	0.61
Mainstem	2016	Exposed	Fording	FORD6	FORD6-50	0.06	0.56	0.62
Mainstem	2016	Exposed	Fording	FORD6	FORD6-62.5	0.04	0.74	0.78
Mainstem	2016	Exposed	Fording	FORD6	FORD6-75	0	0.55	0.55
Mainstem	2016	Exposed	Fording	FORD7	FORD7-25	0.01	0.83	0.84
Mainstem	2016	Exposed	Fording	FORD7	FORD7-50	0	0.18	0.18
Mainstem	2016	Exposed	Fording	FORD7	FORD7-75	0.01	0.87	0.88
Mainstem	2016	Exposed	Fording	FORD9	FORD9-25	0	0	0
Mainstem	2016	Exposed	Fording	FORD9	FORD9-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2016	Exposed	Fording	FORD9	FORD9-75	0	0	0
Tributary	2016	Exposed	Gardine	GARD1	GARD1-25	0.06	0.36	0.42
Tributary	2016	Exposed	Gardine	GARD1	GARD1-50	0	0	0
Tributary	2016	Exposed	Gardine	GARD1	GARD1-75	0	0	0
Tributary	2016	Exposed	Gate	GATE2	GATE2-25	0.72	0.88	1.6
Tributary	2016	Exposed	Gate	GATE2	GATE2-50	0.59	0.85	1.44
Tributary	2016	Exposed	Gate	GATE2	GATE2-75	0.48	0.89	1.37
Tributary	2016	Exposed	Goddard (2)	GODD1	GODD1-0	0.02	0.2	0.22
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-12.5	0.68	0.5	1.18
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-25	1.66	0.86	2.52
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-37.5	1.54	0.86	2.4
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-50	1.59	0.87	2.46
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-62.5	1.48	0.92	2.4
Tributary	2016	Exposed	Goddard (2)	GODD3	GODD3-75	1.46	0.89	2.35
Tributary	2016	Reference	Grace	GRAC1	GRAC1-25	0	0.06	0.06
Tributary	2016	Reference	Grace	GRAC1	GRAC1-50	0	0.08	0.08
Tributary	2016	Reference	Grace	GRAC1	GRAC1-75	0	0.13	0.13
Tributary	2016	Exposed	Grassy (2)	GRAS1	GRAS1-25	0.04	0.08	0.12
Tributary	2016	Exposed	Grassy (2)	GRAS1	GRAS1-50	0	0	0
Tributary	2016	Exposed	Grassy (2)	GRAS1	GRAS1-75	0	0	0
Tributary	2016	Exposed	Grave	GRAV1	GRAV1-25	0	0.23	0.23
Tributary	2016	Exposed	Grave	GRAV1	GRAV1-50	0	0.13	0.13
Tributary	2016	Exposed	Grave	GRAV1	GRAV1-75	0	0.07	0.07
Tributary	2016	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2016	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2016	Reference	Grave	GRAV3	GRAV3-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Greenhills	GREE1	GREE1-25	0	0.12	0.12
Tributary	2016	Exposed	Greenhills	GREE1	GREE1-50	0.2	0.7	0.9
Tributary	2016	Exposed	Greenhills	GREE1	GREE1-75	0.61	0.96	1.57
Tributary	2016	Exposed	Greenhills	GREE3	GREE3-25	0.84	0.9	1.74
Tributary	2016	Exposed	Greenhills	GREE3	GREE3-50	1.4	0.98	2.38
Tributary	2016	Exposed	Greenhills	GREE3	GREE3-75	1.45	0.98	2.43
Tributary	2016	Exposed	Greenhills	GREE4	GREE4-25	1.72	0.99	2.71
Tributary	2016	Exposed	Greenhills	GREE4	GREE4-50	1.67	0.93	2.6
Tributary	2016	Exposed	Greenhills	GREE4	GREE4-75	1.54	0.97	2.51
Tributary	2016	Exposed	Harmer	HARM1	HARM1-25	0	0.44	0.44
Tributary	2016	Exposed	Harmer	HARM1	HARM1-50	0	0.66	0.66
Tributary	2016	Exposed	Harmer	HARM1	HARM1-75	0.02	0.81	0.83
Tributary	2016	Exposed	Harmer	HARM3	HARM3-25	0.02	0.18	0.2
Tributary	2016	Exposed	Harmer	HARM3	HARM3-50	0	0.06	0.06
Tributary	2016	Exposed	Harmer	HARM3	HARM3-75	0	0.09	0.09
Tributary	2016	Exposed	Henretta	HENR1	HENR1-25	0	0	0
Tributary	2016	Exposed	Henretta	HENR1	HENR1-50	0	0	0
Tributary	2016	Exposed	Henretta	HENR1	HENR1-75	0	0	0
Tributary	2016	Exposed	Kilmamock (2)	KILM1	KILM1-25	2	1	3
Tributary	2016	Exposed	Kilmamock (2)	KILM1	KILM1-37.5	2	1	3
Tributary	2016	Exposed	Kilmamock (2)	KILM1	KILM1-50	1.8	1	2.8
Tributary	2016	Exposed	Kilmamock (2)	KILM1	KILM1-62.5	1.31	0.94	2.25
Tributary	2016	Exposed	Kilmamock (2)	KILM1	KILM1-75	1.08	0.8	1.88
Tributary	2016	Exposed	Lake Mountain	LMOU1	LMOU1-25	0	0.04	0.04
Tributary	2016	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0	0
Tributary	2016	Exposed	Lake Mountain	LMOU1	LMOU1-75	0	0.41	0.41
Tributary	2016	Exposed	Leask	LEAS2	LEAS2-1	1.64	0.96	2.6
Tributary	2016	Exposed	Leask	LEAS2	LEAS2-2	1.17	0.91	2.08

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Leask	LEAS2	LEAS2-25	0.26	0.51	0.77
Tributary	2016	Exposed	Lindsay	LIND1	LIND1-25	0.05	0.48	0.53
Tributary	2016	Exposed	Lindsay	LIND1	LIND1-50	0	0	0
Tributary	2016	Exposed	Lindsay	LIND1	LIND1-75	0	0.05	0.05
Tributary	2016	Exposed	Line	LINE1	LINE1-25	0	0.1	0.1
Tributary	2016	Exposed	Line	LINE1	LINE1-50	0	0	0
Tributary	2016	Exposed	Line	LINE1	LINE1-75	0	0	0
Tributary	2016	Exposed	Line	LINE4	LINE4-25	0	0.73	0.73
Tributary	2016	Exposed	Line	LINE4	LINE4-50	0	0.63	0.63
Tributary	2016	Exposed	Line	LINE4	LINE4-75	0	0.6	0.6
Tributary	2016	Reference	Line	LINE7	LINE7-25	0	0	0
Tributary	2016	Reference	Line	LINE7	LINE7-50	0	0	0
Tributary	2016	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2016	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2016	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2016	Exposed	Michel	MICH1	MICH1-75	0	0	0
Mainstem	2016	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2016	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2016	Exposed	Michel	MICH4	MICH4-75	0	0	0
Mainstem	2016	Reference	Michel	MICH5	MICH5-25	0	0	0
Mainstem	2016	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2016	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2016	Exposed	Mickelson	MICK1	MICK1-25	1.3	0.99	2.29
Tributary	2016	Exposed	Mickelson	MICK1	MICK1-50	1.3	0.93	2.23
Tributary	2016	Exposed	Mickelson	MICK1	MICK1-75	1.06	0.96	2.02
Tributary	2015	Exposed	Milligan	MILL2	MILL2-0	0.7	0.8	1.5
Tributary	2016	Exposed	Milligan	MILL2	MILL2-1	0.79	0.86	1.65
Tributary	2016	Exposed	Milligan	MILL2	MILL2-2	0.76	0.89	1.65

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Milligan	MILL2	MILL2-3	0.6	0.75	1.35
Tributary	2016	Exposed	Milligan	MILL2	MILL2-4	0.05	0.15	0.2
Tributary	2016	Exposed	Milligan	MILL2	MILL2-5	0	0.08	0.08
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-12.5	0.18	0.66	0.84
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-25	0.58	0.7	1.28
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-37.5	0.88	0.72	1.6
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-50	1.2	0.91	2.11
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-62.5	0.92	0.91	1.83
Tributary	2016	Exposed	North Thompson (2)	NTHO1	NTHO1-75	0.86	0.74	1.6
Tributary	2016	Exposed	North Wolfram	NWOL1	NWOL1-25	0	0.14	0.14
Tributary	2016	Exposed	Otto	OTTO1	OTTO1-0	0.02	0.21	0.23
Tributary	2016	Exposed	Pengally	PENG1	PENG1-0	0	0	0
Tributary	2016	Exposed	Porter	PORT1	PORT1-0	0	0.75	0.75
Tributary	2016	Exposed	Porter	PORT3a	PORT3a-12.5	0	0.17	0.17
Tributary	2016	Exposed	Porter	PORT3a	PORT3a-25	0.05	0.65	0.7
Tributary	2016	Exposed	Porter	PORT3a	PORT3a-37.5	0	0.54	0.54
Tributary	2016	Exposed	Porter	PORT3b	PORT3b-50	0.97	0.74	1.71
Tributary	2016	Exposed	Porter	PORT3b	PORT3b-62.5	1.83	0.97	2.8
Tributary	2016	Exposed	Porter	PORT3b	PORT3b-75	1.86	1	2.86
Tributary	2016	Exposed	Qualteri	QUAL1	QUAL1-0	0	0	0
Tributary	2016	Exposed	Sawmill	SAWM1	SAWM1-50	0	0	0
Tributary	2016	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2016	Exposed	Sawmill	SAWM2	SAWM2-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Sawmill	SAWM2	SAWM2-75	0	0	0
Tributary	2016	Exposed	Six Mile	SIXM1	SIXM1-25	0	0.86	0.86
Tributary	2016	Exposed	Six Mile	SIXM1	SIXM1-50	0.03	0.63	0.66
Tributary	2016	Exposed	Six Mile	SIXM1	SIXM1-75	0.02	0.4	0.42
Tributary	2016	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	2	1	3
Tributary	2016	Reference	South Line	SLINE2	SLINE2-25	0	0	0
Tributary	2016	Reference	South Line	SLINE2	SLINE2-50	0	0	0
Tributary	2016	Reference	South Line	SLINE2	SLINE2-75	0	0	0
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-12.5	1.64	1	2.64
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-25	0.8	0.88	1.68
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-37.5	1.25	1	2.25
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-50	1.24	0.97	2.21
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-62.5	0.01	0.06	0.07
Tributary	2016	Exposed	South Pit	SPIT1	SPIT1-75	0.18	0.48	0.66
Tributary	2015	Exposed	South Pond Seep	SPSE1	SPSE1-50	0	0	0
Tributary	2016	Exposed	South Wolfram Creek	SWOL1	SWOL1-1	1	0.93	1.93
Tributary	2016	Exposed	South Wolfram Creek	SWOL1	SWOL1-2	1.42	0.99	2.41
Tributary	2016	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	0.62	0.97	1.59
Tributary	2016	Exposed	South Wolfram Creek	SWOL1	SWOL1-3	0.58	0.92	1.5
Tributary	2016	Exposed	Spring	SPRI1	SPRI1-0	0	0.12	0.12
Tributary	2016	Exposed	Swift	SWIF1	SWIF1-0	1.48	0.95	2.43
Tributary	2016	Exposed	Thompson	THOM1	THOM1-0	0	0.22	0.22
Tributary	2016	Exposed	Thresher	THRE1	THRE1-25	0	0	0
Tributary	2016	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2016	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2016	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2016	Exposed	Willow North	WILN2	WILN2-25	0	0	0
Tributary	2016	Exposed	Willow North	WILN2	WILN2-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2016	Exposed	Willow South	WILS1	WILS1-25	0	0	0
Tributary	2016	Exposed	Willow South	WILS1	WILS1-50	0	0	0
Tributary	2016	Exposed	Wolf	WOL1	WOL1-25	0	0	0
Tributary	2016	Exposed	Wolf	WOL1	WOL1-50	0	0	0
Tributary	2016	Exposed	Wolfram	WOLF2	WOLF2-75	0.2	0.49	0.69
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-12.5	1.39	0.98	2.37
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-25	1.45	0.99	2.44
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-37.5	1.74	0.96	2.7
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-50	1.67	0.98	2.65
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-62.5	1.82	0.97	2.79
Tributary	2016	Exposed	Wolfram	WOLF3	WOLF3-75	1.75	0.96	2.71
Tributary	2017	Reference	Alexander	ALEX3	ALEX3-25	0.04	0.61	0.65
Tributary	2017	Reference	Alexander	ALEX3	ALEX3-50	0	0.37	0.37
Tributary	2017	Reference	Alexander	ALEX3	ALEX3-75	0	0.12	0.12
Tributary	2017	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2017	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2017	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2017	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2017	Exposed	Balmer	BALM1	BALM1-25	0	0	0
Tributary	2017	Exposed	Bodie	BODI1	BODI1-25	0.04	0.19	0.23
Tributary	2017	Exposed	Bodie	BODI3	BODI3-25	0.84	0.5	1.34
Tributary	2017	Exposed	Bodie	BODI3	BODI3-50	1.75	0.95	2.7
Tributary	2017	Exposed	Bodie	BODI3	BODI3-75	1.34	0.89	2.23
Tributary	2017	Exposed	Cataract	CATA1	CATA1-0	2	1	3
Tributary	2017	Reference	Chauncey	CHAU1	CHAU1-25	0	0.04	0.04
Tributary	2017	Reference	Chauncey	CHAU1	CHAU1-50	0.12	0.11	0.23

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Reference	Chauncey	CHAU1	CHAU1-75	0	0.1	0.1
Tributary	2017	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.05	0.24	0.29
Tributary	2017	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0.21	0.21
Tributary	2017	Exposed	Corbin	CORB1	CORB1-25	1.8	1	2.8
Tributary	2017	Exposed	Corbin	CORB1	CORB1-50	1.72	0.98	2.7
Tributary	2017	Exposed	Corbin	CORB1	CORB1-75	1.71	1	2.71
Tributary	2017	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.97	1	2.97
Tributary	2017	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.86	1	2.86
Tributary	2017	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.73	1	2.73
Tributary	2017	Proposed	Dry (LCO)	DRYL1	DRYL1-25	0	0.02	0.02
Tributary	2017	Proposed	Dry (LCO)	DRYL1	DRYL1-50	0	0.05	0.05
Tributary	2017	Proposed	Dry (LCO)	DRYL1	DRYL1-75	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL2	DRYL2-25	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL2	DRYL2-50	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL2	DRYL2-75	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL3	DRYL3-25	0	0.01	0.01
Tributary	2017	Proposed	Dry (LCO)	DRYL3	DRYL3-50	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL3	DRYL3-75	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL4	DRYL4-25	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL4	DRYL4-50	0	0	0
Tributary	2017	Proposed	Dry (LCO)	DRYL4	DRYL4-75	0	0	0
Tributary	2017	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0.04	0.21	0.25
Mainstem	2017	Exposed	Elk	ELKR12	ELKR12-25	0	0	0
Mainstem	2017	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2017	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2017	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2017	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2017	Reference	Elk	ELKR15	ELKR15-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2017	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2017	Exposed	Elk	ELKR8	ELKR8-50	0	0	0
Mainstem	2017	Exposed	Elk	ELKR8	ELKR8-75	0	0.02	0.02
Mainstem	2017	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2017	Exposed	Elk	ELKR9	ELKR9-50	0	0	0
Mainstem	2017	Exposed	Elk	ELKR9	ELKR9-75	0	0	0
Tributary	2017	Exposed	Erickson	ERIC1	ERIC1-0	1.73	0.94	2.67
Tributary	2017	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2017	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2017	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2017	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2017	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2017	Exposed	Fennelon	FENN1	FENN1-75	0	0	0
Tributary	2017	Exposed	Fish Pond	FPON1	FPON1-25	0	0.2	0.2
Mainstem	2017	Exposed	Fording	FORD1	FORD1-25	0.02	0.33	0.35
Mainstem	2017	Exposed	Fording	FORD1	FORD1-50	0.18	0.35	0.53
Mainstem	2017	Exposed	Fording	FORD1	FORD1-75	0.07	0.38	0.45
Mainstem	2017	Reference	Fording	FORD12	FORD12-25	0	0.08	0.08
Mainstem	2017	Reference	Fording	FORD12	FORD12-50	0	0.08	0.08
Mainstem	2017	Reference	Fording	FORD12	FORD12-75	0	0.16	0.16
Mainstem	2017	Exposed	Fording	FORD2	FORD2-25	0	0.04	0.04
Mainstem	2017	Exposed	Fording	FORD2	FORD2-50	0.01	0.24	0.25
Mainstem	2017	Exposed	Fording	FORD2	FORD2-75	0	0	0
Mainstem	2017	Exposed	Fording	FORD4	FORD4-25	0.36	0.81	1.17
Mainstem	2017	Exposed	Fording	FORD4	FORD4-50	0	0.84	0.84
Mainstem	2017	Exposed	Fording	FORD4	FORD4-75	0	0.51	0.51

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2017	Exposed	Fording	FORD5	FORD5-12.5	0	0.62	0.62
Mainstem	2017	Exposed	Fording	FORD5	FORD5-25	0	0.63	0.63
Mainstem	2017	Exposed	Fording	FORD5	FORD5-50	0	0.93	0.93
Mainstem	2017	Exposed	Fording	FORD6	FORD6-12.5	0.09	0.9	0.99
Mainstem	2017	Exposed	Fording	FORD6	FORD6-37.5	0.02	0.95	0.97
Mainstem	2017	Exposed	Fording	FORD6	FORD6-50	0.15	0.57	0.72
Mainstem	2017	Exposed	Fording	FORD6	FORD6-62.5	0	0.85	0.85
Mainstem	2017	Exposed	Fording	FORD6	FORD6-75	0.01	0.55	0.56
Mainstem	2017	Exposed	Fording	FORD7	FORD7-25	0.08	0.93	1.01
Mainstem	2017	Exposed	Fording	FORD7	FORD7-50	0	0.22	0.22
Mainstem	2017	Exposed	Fording	FORD7	FORD7-75	0.01	0.9	0.91
Mainstem	2017	Exposed	Fording	FORD9	FORD9-12.5	0.08	0.21	0.29
Mainstem	2017	Exposed	Fording	FORD9	FORD9-25	0.12	0.47	0.59
Mainstem	2017	Exposed	Fording	FORD9	FORD9-37.5	0.32	0.41	0.73
Mainstem	2017	Exposed	Fording	FORD9	FORD9-50	0	0.1	0.1
Mainstem	2017	Exposed	Fording	FORD9	FORD9-62.5	0	0.15	0.15
Mainstem	2017	Exposed	Fording	FORD9	FORD9-75	0	0.06	0.06
Tributary	2017	Exposed	Gardine	GARD1	GARD1-25	0.85	0.93	1.78
Tributary	2017	Exposed	Gardine	GARD1	GARD1-50	0	0.01	0.01
Tributary	2017	Exposed	Gardine	GARD1	GARD1-75	0	0	0
Tributary	2017	Exposed	Gate	GATE2	GATE2-25	1.42	0.88	2.3
Tributary	2017	Exposed	Gate	GATE2	GATE2-50	1.08	0.86	1.94
Tributary	2017	Exposed	Gate	GATE2	GATE2-75	0.96	0.74	1.7
Tributary	2017	Exposed	Goddard	GODD1	GODD1-0	0	0.13	0.13

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Goddard	GODD3	GODD3-12.5	1.53	1	2.53
Tributary	2017	Exposed	Goddard	GODD3	GODD3-25	1.82	1	2.82
Tributary	2017	Exposed	Goddard	GODD3	GODD3-37.5	1.8	1	2.8
Tributary	2017	Exposed	Goddard	GODD3	GODD3-50	1.8	1	2.8
Tributary	2017	Exposed	Goddard	GODD3	GODD3-62.5	1.41	1	2.41
Tributary	2017	Exposed	Goddard	GODD3	GODD3-75	1.51	0.96	2.47
Tributary	2017	Reference	Grace	GRAC1	GRAC1-25	0	0.07	0.07
Tributary	2017	Reference	Grace	GRAC1	GRAC1-50	0	0.03	0.03
Tributary	2017	Reference	Grace	GRAC1	GRAC1-75	0	0.09	0.09
Tributary	2017	Exposed	Grassy	GRAS1	GRAS1-25	0.32	0.41	0.73
Tributary	2017	Exposed	Grassy	GRAS1	GRAS1-50	0.01	0.07	0.08
Tributary	2017	Exposed	Grassy	GRAS1	GRAS1-75	0	0.06	0.06
Tributary	2017	Exposed	Grave	GRAV1	GRAV1-25	0	0.21	0.21
Tributary	2017	Exposed	Grave	GRAV1	GRAV1-50	0	0.31	0.31
Tributary	2017	Exposed	Grave	GRAV1	GRAV1-75	0	0.2	0.2
Tributary	2017	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2017	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2017	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2017	Exposed	Greenhills	GREE1	GREE1-25	0.02	0.21	0.23
Tributary	2017	Exposed	Greenhills	GREE1	GREE1-50	0.14	0.76	0.9
Tributary	2017	Exposed	Greenhills	GREE1	GREE1-75	1.09	1	2.09
Tributary	2017	Exposed	Greenhills	GREE3	GREE3-25	1.45	0.98	2.43
Tributary	2017	Exposed	Greenhills	GREE3	GREE3-50	1.5	0.99	2.49
Tributary	2017	Exposed	Greenhills	GREE3	GREE3-75	1.73	0.99	2.72
Tributary	2017	Exposed	Greenhills	GREE4	GREE4-25	1.8	1	2.8
Tributary	2017	Exposed	Greenhills	GREE4	GREE4-50	1.91	1	2.91

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Greenhills	GREE4	GREE4-75	1.35	0.99	2.34
Tributary	2017	Exposed	Harmer	HARM1	HARM1-25	0.1	0.35	0.45
Tributary	2017	Exposed	Harmer	HARM1	HARM1-50	0.23	0.42	0.65
Tributary	2017	Exposed	Harmer	HARM1	HARM1-75	0.16	0.57	0.73
Tributary	2017	Exposed	Harmer	HARM3	HARM3-25	0	0	0
Tributary	2017	Exposed	Harmer	HARM3	HARM3-50	0	0.06	0.06
Tributary	2017	Exposed	Harmer	HARM3	HARM3-75	0	0.03	0.03
Tributary	2017	Exposed	Henretta	HENR1	HENR1-25	0	0	0
Tributary	2017	Exposed	Henretta	HENR1	HENR1-50	0	0	0
Tributary	2017	Exposed	Henretta	HENR1	HENR1-75	0	0.11	0.11
Tributary	2017	Exposed	Kilmamock	KILM1	KILM1-25	1.98	1	2.98
Tributary	2017	Exposed	Kilmamock	KILM1	KILM1-37.5	1.81	1	2.81
Tributary	2017	Exposed	Kilmamock	KILM1	KILM1-50	1.94	1	2.94
Tributary	2017	Exposed	Kilmamock	KILM1	KILM1-62.5	1.81	0.96	2.77
Tributary	2017	Exposed	Kilmamock	KILM1	KILM1-75	1.53	0.82	2.35
Tributary	2017	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0	0
Tributary	2017	Exposed	Lake Mountain	LMOU1	LMOU1-75	0	0.54	0.54
Tributary	2017	Exposed	Leask	LEAS2	LEAS2-18.2	1.99	1	2.99
Tributary	2017	Exposed	Leask	LEAS2	LEAS2-25	1.34	0.98	2.32
Tributary	2017	Exposed	Leask	LEAS2	LEAS2-9.1	1.98	1	2.98
Tributary	2017	Exposed	Lindsay	LIND1	LIND1-25	0.08	0.37	0.45
Tributary	2017	Exposed	Lindsay	LIND1	LIND1-50	0	0	0
Tributary	2017	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2017	Exposed	Line	LINE1	LINE1-25	0	0	0
Tributary	2017	Exposed	Line	LINE1	LINE1-50	0	0	0
Tributary	2017	Exposed	Line	LINE1	LINE1-75	0	0	0
Tributary	2017	Exposed	Line	LINE4	LINE4-25	0	0.77	0.77

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Line	LINE4	LINE4-50	0	0.63	0.63
Tributary	2017	Exposed	Line	LINE4	LINE4-75	0	0.59	0.59
Tributary	2017	Reference	Line	LINE7	LINE7-25	0	0	0
Tributary	2017	Reference	Line	LINE7	LINE7-50	0	0	0
Tributary	2017	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2017	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2017	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2017	Exposed	Michel	MICH1	MICH1-75	0	0	0
Mainstem	2017	Exposed	Michel	MICH2	MICH2-25	0	0	0
Mainstem	2017	Exposed	Michel	MICH2	MICH2-50	0.09	0.15	0.24
Mainstem	2017	Exposed	Michel	MICH2	MICH2-75	0	0	0
Mainstem	2017	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2017	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2017	Exposed	Michel	MICH4	MICH4-75	0	0.03	0.03
Mainstem	2017	Reference	Michel	MICH5	MICH5-25	0	0.04	0.04
Mainstem	2017	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2017	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2017	Exposed	Mickelson	MICK1	MICK1-25	0.42	0.96	1.38
Tributary	2017	Exposed	Mickelson	MICK1	MICK1-50	0.19	0.9	1.09
Tributary	2017	Exposed	Mickelson	MICK1	MICK1-75	0.35	0.92	1.27
Tributary	2017	Exposed	Milligan	MILL1	MILL1-0	0.15	0.21	0.36
Tributary	2017	Exposed	Milligan	MILL2	MILL2-14.3	1.1	0.95	2.05
Tributary	2017	Exposed	Milligan	MILL2	MILL2-29.9	1.08	0.94	2.02
Tributary	2017	Exposed	Milligan	MILL2	MILL2-42.6	0.45	0.49	0.94
Tributary	2017	Exposed	Milligan	MILL2	MILL2-55.2	0.08	0.15	0.23
Tributary	2017	Exposed	Milligan	MILL2	MILL2-71.5	0.01	0.06	0.07
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-12.5	0.25	0.94	1.19

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-25	0.59	0.86	1.45
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-37.5	1	0.86	1.86
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-50	1.07	0.92	1.99
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-62.5	1.2	0.93	2.13
Tributary	2017	Exposed	North Thompson	NTHO1	NTHO1-75	1.13	0.93	2.06
Tributary	2017	Exposed	North Wolfram	NWOL1	NWOL1-25	1.62	0.97	2.59
Tributary	2017	Exposed	Otto	OTTO1	OTTO1-0	0.02	0.12	0.14
Tributary	2017	Exposed	Pengally	PENG1	PENG1-0	0	0	0
Tributary	2017	Exposed	Porter	PORT1	PORT1-0	0	0.74	0.74
Tributary	2017	Exposed	Porter	PORT3a	PORT3a-12.5	0.01	0.26	0.27
Tributary	2017	Exposed	Porter	PORT3a	PORT3a-25	0.4	0.67	1.07
Tributary	2017	Exposed	Porter	PORT3a	PORT3a-37.5	0.08	0.28	0.36
Tributary	2017	Exposed	Porter	PORT3b	PORT3b-50	1.38	0.83	2.21
Tributary	2017	Exposed	Porter	PORT3b	PORT3b-62.5	1.89	1	2.89
Tributary	2017	Exposed	Porter	PORT3b	PORT3b-75	1.94	1	2.94
Tributary	2017	Exposed	Qualteri	QUAL1	QUAL1-0	0	0	0
Tributary	2017	Exposed	Sawmill	SAWM1	SAWM1-50	0	0	0
Tributary	2017	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2017	Exposed	Sawmill	SAWM2	SAWM2-50	0	0	0
Tributary	2017	Exposed	Site18	SITE	SITE-18	2	1	3
Tributary	2017	Exposed	Six Mile	SIXM1	SIXM1-25	0.15	0.74	0.89
Tributary	2017	Exposed	Six Mile	SIXM1	SIXM1-50	0.03	0.65	0.68
Tributary	2017	Exposed	Six Mile	SIXM1	SIXM1-75	0.48	0.8	1.28
Tributary	2017	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.66	0.94	2.6

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Reference	South Line	SLINE2	SLINE2-25	0	0.01	0.01
Tributary	2017	Reference	South Line	SLINE2	SLINE2-50	0	0	0
Tributary	2017	Reference	South Line	SLINE2	SLINE2-75	0	0	0
Tributary	2017	Exposed	South Pit	SPIT1	SPIT1-0	1.59	0.9	2.49
Tributary	2017	Exposed	South Wolfram Creek	SWOL1	SWOL1-16	1.29	1	2.29
Tributary	2017	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	0.87	1	1.87
Tributary	2017	Exposed	South Wolfram Creek	SWOL1	SWOL1-32.1	0.73	0.97	1.7
Tributary	2017	Exposed	South Wolfram Creek	SWOL1	SWOL1-7.5	1.32	1	2.32
Tributary	2017	Exposed	Spring	SPRI1	SPRI1-0	0.01	0.12	0.13
Tributary	2017	Reference	Stream 02	STR02	STR02-25	1.33	0.72	2.05
Tributary	2017	Reference	Stream 02	STR02	STR02-50	0	0	0
Tributary	2017	Reference	Stream 02	STR02	STR02-75	0	0	0
Tributary	2017	Reference	Stream 14	STR14	STR14-25	0	0	0
Tributary	2017	Reference	Stream 14	STR14	STR14-50	0	0	0
Tributary	2017	Reference	Stream 14	STR14	STR14-75	0	0	0
Tributary	2017	Exposed	Swift	SWIF1	SWIF1-0	1.47	0.98	2.45
Tributary	2017	Exposed	Thompson	THOM2	THOM2-25	0.02	0.53	0.55
Tributary	2017	Exposed	Thompson	THOM2	THOM2-50	0	0.61	0.61
Tributary	2017	Exposed	Thompson	THOM2	THOM2-75	0.42	0.92	1.34
Tributary	2017	Exposed	Thresher	THRE1	THRE1-25	0	0	0
Tributary	2017	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2017	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2017	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2017	Exposed	Willow North	WILN2	WILN2-25	0	0	0
Tributary	2017	Exposed	Willow North	WILN2	WILN2-50	0	0	0
Tributary	2017	Exposed	Willow South	WILS1	WILS1-25	0	0	0
Tributary	2017	Exposed	Willow South	WILS1	WILS1-50	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2017	Exposed	Wolf	WOL1	WOL1-25	0	0	0
Tributary	2017	Exposed	Wolf	WOL1	WOL1-50	0	0	0
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-12.5	1.58	1	2.58
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-25	1.75	1	2.75
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-37.5	1.83	1	2.83
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-50	1.88	1	2.88
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-62.5	1.8	1	2.8
Tributary	2017	Exposed	Wolfram	WOLF3	WOLF3-75	1.94	1	2.94
Tributary	2018	Reference	Alexander	ALEX3	ALEX3-25	0.02	0.52	0.54
Tributary	2018	Reference	Alexander	ALEX3	ALEX3-50	0.02	0.29	0.31
Tributary	2018	Reference	Alexander	ALEX3	ALEX3-75	0.01	0.22	0.23
Tributary	2018	Reference	Andy Good	ANDY1	ANDY1-25	0	0.02	0.02
Tributary	2018	Reference	Andy Good	ANDY1	ANDY1-50	0	0.03	0.03
Tributary	2018	Reference	Andy Good	ANDY1	ANDY1-75	0	0.08	0.08
Tributary	2018	Exposed	Aqueduct	AQUE1	AQUE1-0	0.01	0.02	0.03
Tributary	2018	Exposed	Aqueduct	AQUE2	AQUE2-0	0	0	0
Tributary	2018	Exposed	Aqueduct	AQUE2	AQUE2-50	0	0	0
Tributary	2018	Exposed	Aqueduct	AQUE3	AQUE3-25	0	0	0
Tributary	2018	Exposed	Aqueduct	AQUE3	AQUE3-50	0	0	0
Tributary	2018	Exposed	Aqueduct	AQUE3	AQUE3-75	0	0.43	0.43
Tributary	2018	Exposed	Balmer	BALM1	BALM1-25	0	0.01	0.01
Tributary	2018	Exposed	Bodie	BODI1	BODI1-25	0.08	0.08	0.16
Tributary	2018	Exposed	Bodie	BODI1	BODI1-50	1.22	0.99	2.21
Tributary	2018	Exposed	Bodie	BODI1	BODI1-75	0.61	0.69	1.3
Tributary	2018	Exposed	Bodie	BODI3	BODI3-25	1.47	0.88	2.35
Tributary	2018	Exposed	Bodie	BODI3	BODI3-50	1.74	1	2.74

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Bodie	BODI3	BODI3-75	1.03	0.88	1.91
Tributary	2018	Exposed	Cataract	CATA1	CATA1-0	1.96	1	2.96
Tributary	2018	Exposed	Cataract	CATA3	CATA3-0	1.89	1	2.89
Tributary	2018	Exposed	Cataract	CATA3	CATA3-50	1.88	1	2.88
Tributary	2018	Reference	Chauncey	CHAU1	CHAU1-25	0	0.03	0.03
Tributary	2018	Reference	Chauncey	CHAU1	CHAU1-50	0.03	0.13	0.16
Tributary	2018	Reference	Chauncey	CHAU1	CHAU1-75	0	0.17	0.17
Tributary	2018	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.55	0.91	1.46
Tributary	2018	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0.01	0.66	0.67
Tributary	2018	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0	0.67	0.67
Tributary	2018	Exposed	Corbin	CORB1	CORB1-25	1.68	0.94	2.62
Tributary	2018	Exposed	Corbin	CORB1	CORB1-50	1.87	1	2.87
Tributary	2018	Exposed	Corbin	CORB1	CORB1-75	1.61	0.99	2.6
Tributary	2018	Exposed	Corbin	CORB2	CORB2-25	1.96	1	2.96
Tributary	2018	Exposed	Corbin	CORB2	CORB2-50	1.91	1	2.91
Tributary	2018	Exposed	Corbin	CORB2	CORB2-75	1.89	0.99	2.88
Tributary	2018	Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.96	1	2.96
Tributary	2018	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.74	1	2.74
Tributary	2018	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.85	1	2.85
Tributary	2018	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.69	1	2.69
Tributary	2018	Exposed	Dry (EVO)	DRYE4	DRYE4-25	2	1	3
Tributary	2018	Proposed	Dry (LCO)	DRYL1	DRYL1-25	0	0.6	0.6
Tributary	2018	Exposed	Dry (LCO)	DRYL1	DRYL1-50	0	0.83	0.83
Tributary	2018	Exposed	Dry (LCO)	DRYL1	DRYL1-75	0	0.29	0.29
Tributary	2018	Exposed	Dry (LCO)	DRYL2	DRYL2-25	0	0.46	0.46
Tributary	2018	Exposed	Dry (LCO)	DRYL2	DRYL2-50	0	0.24	0.24
Tributary	2018	Exposed	Dry (LCO)	DRYL2	DRYL2-75	0	0.03	0.03
Tributary	2018	Exposed	Dry (LCO)	DRYL3	DRYL3-25	0	0.02	0.02

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Dry (LCO)	DRYL3	DRYL3-50	0	0.09	0.09
Tributary	2018	Exposed	Dry (LCO)	DRYL3	DRYL3-75	0	0.08	0.08
Tributary	2018	Exposed	Dry (LCO)	DRYL4	DRYL4-25	0	0.37	0.37
Tributary	2018	Exposed	Dry (LCO)	DRYL4	DRYL4-50	0	0.23	0.23
Tributary	2018	Exposed	Dry (LCO)	DRYL4	DRYL4-75	0	0.36	0.36
Tributary	2018	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	0	0.21	0.21
Mainstem	2018	Exposed	Elk	ELKR10	ELKR10-25	0	0	0
Mainstem	2018	Exposed	Elk	ELKR10	ELKR10-50	0	0.05	0.05
Mainstem	2018	Exposed	Elk	ELKR10	ELKR10-75	0	0.04	0.04
Mainstem	2018	Exposed	Elk	ELKR11	ELKR11-25	0	0	0
Mainstem	2018	Exposed	Elk	ELKR11	ELKR11-50	0	0	0
Mainstem	2018	Exposed	Elk	ELKR11	ELKR11-75	0	0	0
Mainstem	2018	Exposed	Elk	ELKR12	ELKR12-25	0	0	0
Mainstem	2018	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2018	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2018	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2018	Reference	Elk	ELKR15	ELKR15-50	0	0.06	0.06
Mainstem	2018	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2018	Exposed	Elk	ELKR8	ELKR8-25	0	0	0
Mainstem	2018	Exposed	Elk	ELKR8	ELKR8-50	0	0.08	0.08
Mainstem	2018	Exposed	Elk	ELKR8	ELKR8-75	0.04	0.71	0.75
Mainstem	2018	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2018	Exposed	Elk	ELKR9	ELKR9-50	0	0.05	0.05
Mainstem	2018	Exposed	Elk	ELKR9	ELKR9-75	0.01	0.15	0.16
Tributary	2018	Exposed	Erickson	ERIC1	ERIC1-0	1.83	0.98	2.81
Tributary	2018	Exposed	Erickson	ERIC1	ERIC1-50	1.97	1	2.97
Tributary	2018	Exposed	Erickson	ERIC2	ERIC2-0	1.6	0.9	2.5
Tributary	2018	Exposed	Erickson	ERIC3	ERIC3-0	1.95	1	2.95

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-12.5	1.97	1	2.97
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-25	1.68	1	2.68
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-37.5	0.68	0.98	1.66
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-50	0.37	0.96	1.33
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-62.5	0.5	0.79	1.29
Tributary	2018	Exposed	Erickson	ERIC4	ERIC4-75	0.07	0.39	0.46
Tributary	2018	Exposed	Feltham	FELT1	FELT1-25	0.03	0.27	0.3
Tributary	2018	Exposed	Feltham	FELT1	FELT1-50	0	0.09	0.09
Tributary	2018	Exposed	Feltham	FELT1	FELT1-75	0	0.05	0.05
Tributary	2018	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2018	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2018	Exposed	Fennelon	FENN1	FENN1-75	0.8	0.48	1.28
Tributary	2018	Exposed	Fish Pond	FPON1	FPON1-25	0	0.26	0.26
Tributary	2018	Exposed	Fish Pond	FPON1	FPON1-50	0.02	0.24	0.26
Tributary	2018	Exposed	Fish Pond	FPON1	FPON1-75	0	0	0
Mainstem	2018	Exposed	Fording	FORD1	FORD1-25	0	0.44	0.44
Mainstem	2018	Exposed	Fording	FORD1	FORD1-50	0	0	0
Mainstem	2018	Exposed	Fording	FORD1	FORD1-75	0	0.25	0.25
Mainstem	2018	Exposed	Fording	FORD10	FORD10-25	0	0.53	0.53
Mainstem	2018	Exposed	Fording	FORD10	FORD10-50	0.01	0.44	0.45
Mainstem	2018	Exposed	Fording	FORD10	FORD10-75	0.07	0.84	0.91
Mainstem	2018	Exposed	Fording	FORD11	FORD11-25	0	0.31	0.31
Mainstem	2018	Exposed	Fording	FORD11	FORD11-50	0	0.39	0.39
Mainstem	2018	Exposed	Fording	FORD11	FORD11-75	0	0.11	0.11

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2018	Reference	Fording	FORD12	FORD12-25	0.02	0.33	0.35
Mainstem	2018	Reference	Fording	FORD12	FORD12-50	0.02	0.38	0.4
Mainstem	2018	Reference	Fording	FORD12	FORD12-75	0	0.18	0.18
Mainstem	2018	Exposed	Fording	FORD2	FORD2-25	0.01	0.11	0.12
Mainstem	2018	Exposed	Fording	FORD2	FORD2-50	0.01	0.1	0.11
Mainstem	2018	Exposed	Fording	FORD2	FORD2-75	0	0.15	0.15
Mainstem	2018	Exposed	Fording	FORD3	FORD3-25	0.07	0.38	0.45
Mainstem	2018	Exposed	Fording	FORD3	FORD3-50	0	0.28	0.28
Mainstem	2018	Exposed	Fording	FORD3	FORD3-75	0.29	0.46	0.75
Mainstem	2018	Exposed	Fording	FORD4	FORD4-25	0.2	0.72	0.92
Mainstem	2018	Exposed	Fording	FORD4	FORD4-50	0	0.8	0.8
Mainstem	2018	Exposed	Fording	FORD4	FORD4-75	0	0.67	0.67
Mainstem	2018	Exposed	Fording	FORD5	FORD5-12.5	0	0.59	0.59
Mainstem	2018	Exposed	Fording	FORD5	FORD5-25	0	0.46	0.46
Mainstem	2018	Exposed	Fording	FORD5	FORD5-50	0	0.93	0.93
Mainstem	2018	Exposed	Fording	FORD5	FORD5-75	0.03	0.78	0.81
Mainstem	2018	Exposed	Fording	FORD6	FORD6-25	0.14	0.63	0.77
Mainstem	2018	Exposed	Fording	FORD6	FORD6-50	0.29	0.57	0.86
Mainstem	2018	Exposed	Fording	FORD6	FORD6-75	0	0.73	0.73
Mainstem	2018	Exposed	Fording	FORD7	FORD7-25	0.07	0.93	1
Mainstem	2018	Exposed	Fording	FORD7	FORD7-50	0.01	0.57	0.58
Mainstem	2018	Exposed	Fording	FORD7	FORD7-75	0.12	0.97	1.09
Mainstem	2018	Exposed	Fording	FORD8	FORD8-25	0	0.53	0.53
Mainstem	2018	Exposed	Fording	FORD8	FORD8-50	0	0.65	0.65
Mainstem	2018	Exposed	Fording	FORD8	FORD8-75	0	0.65	0.65
Mainstem	2018	Exposed	Fording	FORD9	FORD9-25	0.52	0.99	1.51

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2018	Exposed	Fording	FORD9	FORD9-50	0.02	0.54	0.56
Mainstem	2018	Exposed	Fording	FORD9	FORD9-75	0	0.12	0.12
Tributary	2018	Exposed	Gardine	GARD1	GARD1-25	0.88	0.93	1.81
Tributary	2018	Exposed	Gardine	GARD1	GARD1-50	0	0.05	0.05
Tributary	2018	Exposed	Gardine	GARD1	GARD1-75	0	0.05	0.05
Tributary	2018	Exposed	Gate	GATE2	GATE2-25	0.58	0.6	1.18
Tributary	2018	Exposed	Gate	GATE2	GATE2-50	0.62	0.46	1.08
Tributary	2018	Exposed	Gate	GATE2	GATE2-75	0.46	0.7	1.16
Tributary	2018	Exposed	Goddard	GODD1	GODD1-0	0	0.35	0.35
Tributary	2018	Exposed	Goddard	GODD2	GODD2-25	1.09	0.99	2.08
Tributary	2018	Exposed	Goddard	GODD2	GODD2-50	2	1	3
Tributary	2018	Exposed	Goddard	GODD2	GODD2-75	1.79	0.99	2.78
Tributary	2018	Exposed	Goddard	GODD3	GODD3-25	1.71	0.97	2.68
Tributary	2018	Exposed	Goddard	GODD3	GODD3-50	1.68	0.98	2.66
Tributary	2018	Exposed	Goddard	GODD3	GODD3-75	1.58	0.93	2.51
Tributary	2018	Reference	Grace	GRAC1	GRAC1-25	0.02	0.18	0.2
Tributary	2018	Reference	Grace	GRAC1	GRAC1-50	0	0.07	0.07
Tributary	2018	Reference	Grace	GRAC1	GRAC1-75	0	0.03	0.03
Tributary	2018	Reference	Grace	GRAC2	GRAC2-25	0	0.08	0.08
Tributary	2018	Reference	Grace	GRAC2	GRAC2-50	0	0.08	0.08
Tributary	2018	Reference	Grace	GRAC2	GRAC2-75	0	0.03	0.03
Tributary	2018	Reference	Grace	GRAC3	GRAC3-25	0	0	0
Tributary	2018	Reference	Grace	GRAC3	GRAC3-50	0	0	0
Tributary	2018	Reference	Grace	GRAC3	GRAC3-75	0	0	0
Tributary	2018	Exposed	Grassy	GRAS1	GRAS1-25	0.02	0.07	0.09
Tributary	2018	Exposed	Grassy	GRAS1	GRAS1-50	0.26	0.27	0.53
Tributary	2018	Exposed	Grassy	GRAS1	GRAS1-75	0	0.13	0.13
Tributary	2018	Exposed	Grave	GRAV1	GRAV1-25	0.01	0.46	0.47

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Grave	GRAV1	GRAV1-50	0.03	0.41	0.44
Tributary	2018	Exposed	Grave	GRAV1	GRAV1-75	0.02	0.18	0.2
Tributary	2018	Exposed	Grave	GRAV2	GRAV2-25	0.01	0.22	0.23
Tributary	2018	Exposed	Grave	GRAV2	GRAV2-50	0	0.13	0.13
Tributary	2018	Exposed	Grave	GRAV2	GRAV2-75	0	0.07	0.07
Tributary	2018	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2018	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2018	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2018	Exposed	Greenhills	GREE1	GREE1-25	0	0.23	0.23
Tributary	2018	Exposed	Greenhills	GREE1	GREE1-50	0.03	0.23	0.26
Tributary	2018	Exposed	Greenhills	GREE1	GREE1-75	0.57	0.87	1.44
Tributary	2018	Exposed	Greenhills	GREE3	GREE3-25	1.44	0.98	2.42
Tributary	2018	Exposed	Greenhills	GREE3	GREE3-50	1.54	0.98	2.52
Tributary	2018	Exposed	Greenhills	GREE3	GREE3-75	1.55	0.99	2.54
Tributary	2018	Exposed	Greenhills	GREE4	GREE4-25	1.77	1	2.77
Tributary	2018	Exposed	Greenhills	GREE4	GREE4-50	1.88	0.98	2.86
Tributary	2018	Exposed	Greenhills	GREE4	GREE4-75	1.61	0.98	2.59
Tributary	2018	Exposed	Harmer	HARM1	HARM1-25	0.12	0.57	0.69
Tributary	2018	Exposed	Harmer	HARM1	HARM1-50	0.03	0.69	0.72
Tributary	2018	Exposed	Harmer	HARM1	HARM1-75	0.08	0.92	1
Tributary	2018	Exposed	Harmer	HARM3	HARM3-25	0.01	0.05	0.06
Tributary	2018	Exposed	Harmer	HARM3	HARM3-50	0.04	0.09	0.13
Tributary	2018	Exposed	Harmer	HARM3	HARM3-75	0.01	0.05	0.06
Tributary	2018	Exposed	Harmer	HARM4	HARM4-25	0	0.09	0.09
Tributary	2018	Exposed	Harmer	HARM4	HARM4-50	0.16	0.41	0.57
Tributary	2018	Exposed	Harmer	HARM4	HARM4-75	0	0.39	0.39
Tributary	2018	Exposed	Harmer	HARM5	HARM5-25	0.01	0.39	0.4
Tributary	2018	Exposed	Harmer	HARM5	HARM5-50	0.03	0.24	0.27

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Harmer	HARM5	HARM5-75	0	0.25	0.25
Tributary	2018	Exposed	Henretta	HENR1	HENR1-25	0	0.39	0.39
Tributary	2018	Exposed	Henretta	HENR1	HENR1-50	0	0.32	0.32
Tributary	2018	Exposed	Henretta	HENR1	HENR1-75	0	0.24	0.24
Tributary	2018	Reference	Henretta	HENR3	HENR3-25	0	0	0
Tributary	2018	Exposed	Kilmamock	KILM1	KILM1-25	1.59	1	2.59
Tributary	2018	Exposed	Kilmamock	KILM1	KILM1-50	1.4	0.91	2.31
Tributary	2018	Exposed	Kilmamock	KILM1	KILM1-75	1.2	0.81	2.01
Tributary	2018	Exposed	Lake Mountain	LMOU1	LMOU1-0	0	0.39	0.39
Tributary	2018	Exposed	Leask	LEAS2	LEAS2-18.2	1.53	0.99	2.52
Tributary	2018	Exposed	Leask	LEAS2	LEAS2-25	1.51	0.99	2.5
Tributary	2018	Exposed	Leask	LEAS2	LEAS2-9.1	1.78	1	2.78
Tributary	2018	Exposed	Lindsay	LIND1	LIND1-25	0	0.53	0.53
Tributary	2018	Exposed	Lindsay	LIND1	LIND1-50	0	0.05	0.05
Tributary	2018	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2018	Exposed	Line	LINE1	LINE1-25	0	0.3	0.3
Tributary	2018	Exposed	Line	LINE1	LINE1-50	0	0.59	0.59
Tributary	2018	Exposed	Line	LINE1	LINE1-75	0	0.68	0.68
Tributary	2018	Exposed	Line	LINE2	LINE2-25	0	0.46	0.46
Tributary	2018	Exposed	Line	LINE2	LINE2-50	0	0.77	0.77
Tributary	2018	Exposed	Line	LINE2	LINE2-75	0	0.11	0.11
Tributary	2018	Exposed	Line	LINE3	LINE3-25	0	0.48	0.48
Tributary	2018	Exposed	Line	LINE3	LINE3-50	0	0.67	0.67
Tributary	2018	Exposed	Line	LINE3	LINE3-75	0.03	0.79	0.82
Tributary	2018	Exposed	Line	LINE4	LINE4-25	0.15	0.98	1.13
Tributary	2018	Exposed	Line	LINE4	LINE4-50	0	0.81	0.81
Tributary	2018	Exposed	Line	LINE4	LINE4-75	0.01	0.9	0.91

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Reference	Line	LINE7	LINE7-25	0	0.02	0.02
Tributary	2018	Reference	Line	LINE7	LINE7-50	0	0.01	0.01
Tributary	2018	Reference	Line	LINE7	LINE7-75	0	0	0
Mainstem	2018	Exposed	Michel	MICH1	MICH1-25	0	0	0
Mainstem	2018	Exposed	Michel	MICH1	MICH1-50	0	0	0
Mainstem	2018	Exposed	Michel	MICH1	MICH1-75	0.01	0.24	0.25
Mainstem	2018	Exposed	Michel	MICH2	MICH2-25	0	0.02	0.02
Mainstem	2018	Exposed	Michel	MICH2	MICH2-50	0	0.02	0.02
Mainstem	2018	Exposed	Michel	MICH2	MICH2-75	0	0.02	0.02
Mainstem	2018	Exposed	Michel	MICH3	MICH3-25	0	0.03	0.03
Mainstem	2018	Exposed	Michel	MICH3	MICH3-50	0	0.01	0.01
Mainstem	2018	Exposed	Michel	MICH3	MICH3-75	0	0	0
Mainstem	2018	Exposed	Michel	MICH4	MICH4-25	0	0.05	0.05
Mainstem	2018	Exposed	Michel	MICH4	MICH4-50	0	0.03	0.03
Mainstem	2018	Exposed	Michel	MICH4	MICH4-75	0	0.11	0.11
Mainstem	2018	Reference	Michel	MICH5	MICH5-25	0	0	0
Mainstem	2018	Reference	Michel	MICH5	MICH5-50	0	0	0
Mainstem	2018	Reference	Michel	MICH5	MICH5-75	0	0	0
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-25	0.12	0.76	0.88
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-37.5	1.16	0.91	2.07
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-50	0.64	0.96	1.6
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-62.5	0.29	0.79	1.08
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-75	0.15	0.78	0.93
Tributary	2018	Exposed	Mickelson	MICK1	MICK1-87.5	0.06	0.74	0.8
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-25	0.33	0.59	0.92
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-37.5	0.5	0.88	1.38

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-50	0.66	0.7	1.36
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-62.5	0.66	0.85	1.51
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-75	0.53	0.84	1.37
Tributary	2018	Exposed	Mickelson	MICK2	MICK2-87.5	0.81	0.87	1.68
Tributary	2018	Exposed	Milligan	MILL1	MILL1-0	0.87	0.9	1.77
Tributary	2018	Exposed	Milligan	MILL2	MILL2-0	1.44	0.95	2.39
Tributary	2018	Exposed	Milligan	MILL2	MILL2-14.3	1.11	0.94	2.05
Tributary	2018	Exposed	Milligan	MILL2	MILL2-29.9	0.83	0.93	1.76
Tributary	2018	Exposed	Milligan	MILL2	MILL2-42.6	0.18	0.21	0.39
Tributary	2018	Exposed	Milligan	MILL2	MILL2-55.2	0.07	0.14	0.21
Tributary	2018	Exposed	Milligan	MILL2	MILL2-71.5	0.08	0.17	0.25
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-12.5	0.91	0.97	1.88
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-25	0.43	0.93	1.36
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-37.5	1	0.99	1.99
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-50	1.1	0.93	2.03
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-62.5	1.14	0.96	2.1
Tributary	2018	Exposed	North Thompson	NTHO1	NTHO1-75	1.19	0.91	2.1
Tributary	2018	Exposed	North Wolfram	NWOL1	NWOL1-25	1.54	0.9	2.44
Tributary	2018	Exposed	Otto	OTTO1	OTTO1-0	0.03	0.56	0.59
Tributary	2018	Exposed	Otto	OTTO3	OTTO3-25	0	0	0
Tributary	2018	Exposed	Otto	OTTO3	OTTO3-50	0	0.04	0.04
Tributary	2018	Exposed	Otto	OTTO3	OTTO3-75	0	0.1	0.1
Tributary	2018	Exposed	Pengally	PENG1	PENG1-0	0	0	0
Tributary	2018	Exposed	Pengally	PENG1	PENG1-50	0	0	0
Tributary	2018	Exposed	Porter	PORT1	PORT1-0	0.06	0.79	0.85

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Exposed	Porter	PORT3a	PORT3a-12.5	0.01	0.3	0.31
Tributary	2018	Exposed	Porter	PORT3a	PORT3a-25	0.26	0.73	0.99
Tributary	2018	Exposed	Porter	PORT3a	PORT3a-37.5	0.13	0.64	0.77
Tributary	2018	Exposed	Porter	PORT3b	PORT3b-50	1.13	0.91	2.04
Tributary	2018	Exposed	Porter	PORT3b	PORT3b-62.5	1.86	1	2.86
Tributary	2018	Exposed	Porter	PORT3b	PORT3b-75	1.91	1	2.91
Tributary	2018	Exposed	Sawmill	SAWM1	SAWM1-0	0	0	0
Tributary	2018	Exposed	Sawmill	SAWM1	SAWM1-50	0	0.02	0.02
Tributary	2018	Exposed	Sawmill	SAWM2	SAWM2-25	0	0	0
Tributary	2018	Exposed	Sawmill	SAWM2	SAWM2-50	0	0	0
Tributary	2018	Exposed	Site18	SITE	SITE-18	2	1	3
Tributary	2018	Exposed	Six Mile	SIXM1	SIXM1-25	0.24	0.85	1.09
Tributary	2018	Exposed	Six Mile	SIXM1	SIXM1-50	0.04	0.35	0.39
Tributary	2018	Exposed	Six Mile	SIXM1	SIXM1-75	0.34	0.95	1.29
Tributary	2018	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.54	0.91	2.45
Tributary	2018	Reference	South Line	SLINE2	SLINE2-25	0	0.04	0.04
Tributary	2018	Reference	South Line	SLINE2	SLINE2-50	0	0.01	0.01
Tributary	2018	Reference	South Line	SLINE2	SLINE2-75	0	0.06	0.06
Tributary	2018	Exposed	South Pit	SPIT1	SPIT1-0	1.77	1	2.77
Tributary	2018	Exposed	South Wolfram Creek	SWOL1	SWOL1-16	1.8	0.96	2.76
Tributary	2018	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	0.98	0.99	1.97
Tributary	2018	Exposed	South Wolfram Creek	SWOL1	SWOL1-32.1	1.6	0.93	2.53
Tributary	2018	Exposed	South Wolfram Creek	SWOL1	SWOL1-7.5	1.32	0.93	2.25
Tributary	2018	Exposed	Spring	SPRI1	SPRI1-0	0	0.14	0.14

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2018	Reference	Stream 02	STR02	STR02-25	1.41	0.75	2.16
Tributary	2018	Reference	Stream 02	STR02	STR02-50	0	0	0
Tributary	2018	Reference	Stream 02	STR02	STR02-75	0	0	0
Tributary	2018	Exposed	Stream 14	STR14	STR14-25	0.06	0.34	0.4
Tributary	2018	Exposed	Swift	SWIF1	SWIF1-0	0.84	0.85	1.69
Tributary	2018	Exposed	Swift	SWIF2	SWIF2-25	0.5	0.95	1.45
Tributary	2018	Exposed	Swift	SWIF2	SWIF2-75	0	0.78	0.78
Tributary	2018	Exposed	Thompson	THOM2	THOM2-25	0.02	0.69	0.71
Tributary	2018	Exposed	Thompson	THOM2	THOM2-50	0	0.67	0.67
Tributary	2018	Exposed	Thompson	THOM2	THOM2-75	0.22	0.82	1.04
Tributary	2018	Exposed	Thompson	THOM3	THOM3-25	0.27	0.74	1.01
Tributary	2018	Exposed	Thompson	THOM3	THOM3-50	0.44	0.87	1.31
Tributary	2018	Exposed	Thompson	THOM3	THOM3-75	0.22	0.57	0.79
Tributary	2018	Exposed	Thresher	THRE1	THRE1-25	0.02	0.04	0.06
Tributary	2018	Exposed	Thresher	THRE1	THRE1-50	0	0	0
Tributary	2018	Exposed	Unnamed South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2018	Exposed	Unnamed South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2018	Exposed	Willow North	WILN2	WILN2-25	0	0	0
Tributary	2018	Exposed	Willow North	WILN2	WILN2-50	0	0	0
Tributary	2018	Exposed	Willow South	WILS1	WILS1-25	0	0	0
Tributary	2018	Exposed	Willow South	WILS1	WILS1-50	0	0	0
Tributary	2018	Exposed	Wolf	WOL1	WOL1-25	0	0	0
Tributary	2018	Exposed	Wolf	WOL1	WOL1-50	0	0	0
Tributary	2018	Exposed	Wolfram	WOLF2	WOLF2-75	0.52	0.36	0.88
Tributary	2018	Exposed	Wolfram	WOLF3	WOLF3-25	1.79	0.94	2.73
Tributary	2018	Exposed	Wolfram	WOLF3	WOLF3-50	1.74	0.95	2.69
Tributary	2018	Exposed	Wolfram	WOLF3	WOLF3-75	1.72	0.92	2.64
Tributary	2019	Reference	Alexander	ALEX3	ALEX3-25	0.06	0.79	0.85

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Reference	Alexander	ALEX3	ALEX3-50	0.02	0.84	0.86
Tributary	2019	Reference	Andy Good	ANDY1	ANDY1-25	0	0.01	0.01
Tributary	2019	Reference	Andy Good	ANDY1	ANDY1-50	0	0.02	0.02
Tributary	2019	Reference	Andy Good	ANDY1	ANDY1-75	0	0.25	0.25
Tributary	2019	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2019	Exposed	Bodie	BODI1	BODI1-25	0.1	0.26	0.36
Tributary	2019	Exposed	Bodie	BODI1	BODI1-50	0.87	0.96	1.83
Tributary	2019	Exposed	Bodie	BODI1	BODI1-75	0.1	0.97	1.07
Tributary	2019	Exposed	Bodie	BODI3	BODI3-25	1.61	0.98	2.59
Tributary	2019	Exposed	Bodie	BODI3	BODI3-50	1.67	0.99	2.66
Tributary	2019	Exposed	Bodie	BODI3	BODI3-75	1.48	1	2.48
Tributary	2019	Reference	Chauncey	CHAU1	CHAU1-25	0	0.14	0.14
Tributary	2019	Reference	Chauncey	CHAU1	CHAU1-50	0.02	0.22	0.24
Tributary	2019	Reference	Chauncey	CHAU1	CHAU1-75	0	0.31	0.31
Tributary	2019	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.38	0.9	1.28
Tributary	2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0.71	0.71
Tributary	2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0	0.66	0.66
Tributary	2019	Exposed	Corbin	CORB1	CORB1-25	1.28	0.95	2.23
Tributary	2019	Exposed	Corbin	CORB1	CORB1-50	1.82	0.97	2.79
Tributary	2019	Exposed	Corbin	CORB1	CORB1-75	1.42	0.97	2.39
Tributary	2019	Exposed	Corbin	CORB2	CORB2-25	1.92	1	2.92
Tributary	2019	Exposed	Corbin	CORB2	CORB2-50	1.86	0.98	2.84
Tributary	2019	Exposed	Corbin	CORB2	CORB2-75	1.86	0.98	2.84
Tributary	2019	Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.2	0.99	2.19
Tributary	2019	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.44	1	2.44
Tributary	2019	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.06	1	2.06
Tributary	2019	Exposed	Dry (EVO)	DRYE4	DRYE4-25	1.51	1	2.51
Tributary	2019	Exposed	Dry (LCO)	DRYL1	DRYL1-25	0	0.51	0.51

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Dry (LCO)	DRYL1	DRYL1-50	0	0.79	0.79
Tributary	2019	Exposed	Dry (LCO)	DRYL1	DRYL1-75	0.08	0.57	0.65
Tributary	2019	Exposed	Dry (LCO)	DRYL2	DRYL2-25	0	0.43	0.43
Tributary	2019	Exposed	Dry (LCO)	DRYL2	DRYL2-50	0	0.63	0.63
Tributary	2019	Exposed	Dry (LCO)	DRYL2	DRYL2-75	0	0.5	0.5
Tributary	2019	Exposed	Dry (LCO)	DRYL3	DRYL3-25	0	0.23	0.23
Tributary	2019	Exposed	Dry (LCO)	DRYL3	DRYL3-50	0	0.21	0.21
Tributary	2019	Exposed	Dry (LCO)	DRYL3	DRYL3-75	0	0.05	0.05
Tributary	2019	Exposed	Dry (LCO)	DRYL4	DRYL4-25	0	0.22	0.22
Tributary	2019	Exposed	Dry (LCO)	DRYL4	DRYL4-50	0	0.03	0.03
Tributary	2019	Exposed	Dry (LCO)	DRYL4	DRYL4-75	0	0.21	0.21
Tributary	2019	Reference	East Dry	ETRI1	ETRI1-0	0	0.01	0.01
Tributary	2019	Reference	East Dry	ETRI1	ETRI1-50	0	0.01	0.01
Mainstem	2019	Exposed	Elk	ELKR10	ELKR10-25	0	0	0
Mainstem	2019	Exposed	Elk	ELKR10	ELKR10-50	0	0.03	0.03
Mainstem	2019	Exposed	Elk	ELKR10	ELKR10-75	0	0	0
Mainstem	2019	Exposed	Elk	ELKR12	ELKR12-25	0	0.09	0.09
Mainstem	2019	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2019	Exposed	Elk	ELKR12	ELKR12-75	0	0	0
Mainstem	2019	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2019	Reference	Elk	ELKR15	ELKR15-50	0	0.02	0.02
Mainstem	2019	Reference	Elk	ELKR15	ELKR15-75	0	0.04	0.04
Mainstem	2019	Exposed	Elk	ELKR8	ELKR8-50	0	0	0
Mainstem	2019	Exposed	Elk	ELKR8	ELKR8-75	0	0.18	0.18
Mainstem	2019	Exposed	Elk	ELKR9	ELKR9-25	0	0	0
Mainstem	2019	Exposed	Elk	ELKR9	ELKR9-50	0	0.08	0.08
Mainstem	2019	Exposed	Elk	ELKR9	ELKR9-75	0	0.17	0.17
Tributary	2019	Exposed	Erickson	ERIC1	ERIC1-0	1.91	1	2.91

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Erickson	ERIC1	ERIC1-50	1.89	1	2.89
Tributary	2019	Exposed	Erickson	ERIC2	ERIC2-0	1.52	0.94	2.46
Tributary	2019	Exposed	Erickson	ERIC3	ERIC3-0	1.96	1	2.96
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-12.5	1.93	1	2.93
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-25	1.77	1	2.77
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-37.5	0.9	0.99	1.89
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-50	0.16	0.98	1.14
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-62.5	0.07	1	1.07
Tributary	2019	Exposed	Erickson	ERIC4	ERIC4-75	0	0.66	0.66
Tributary	2019	Exposed	Feltham	FELT1	FELT1-25	0	0	0
Tributary	2019	Exposed	Feltham	FELT1	FELT1-50	0	0	0
Tributary	2019	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2019	Exposed	Fennelon	FENN1	FENN1-25	0	0	0
Tributary	2019	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2019	Exposed	Fennelon	FENN1	FENN1-75	0	0.05	0.05
Tributary	2019	Exposed	Fish Pond	FPON1	FPON1-25	0	0.43	0.43
Tributary	2019	Exposed	Fish Pond	FPON1	FPON1-50	0	0.46	0.46
Tributary	2019	Exposed	Fish Pond	FPON1	FPON1-75	0	0.24	0.24
Mainstem	2019	Exposed	Fording	FORD1	FORD1-25	0	0.4	0.4
Mainstem	2019	Exposed	Fording	FORD1	FORD1-50	0	0	0
Mainstem	2019	Exposed	Fording	FORD1	FORD1-75	0	0.19	0.19
Mainstem	2019	Reference	Fording	FORD12	FORD12-25	0	0.48	0.48
Mainstem	2019	Reference	Fording	FORD12	FORD12-50	0	0.22	0.22
Mainstem	2019	Reference	Fording	FORD12	FORD12-75	0	0.15	0.15
Mainstem	2019	Exposed	Fording	FORD2	FORD2-25	0	0.22	0.22
Mainstem	2019	Exposed	Fording	FORD2	FORD2-50	0.07	0.25	0.32

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2019	Exposed	Fording	FORD2	FORD2-75	0.03	0.33	0.36
Mainstem	2019	Exposed	Fording	FORD4	FORD4-25	0.35	0.98	1.33
Mainstem	2019	Exposed	Fording	FORD4	FORD4-50	0	0.95	0.95
Mainstem	2019	Exposed	Fording	FORD4	FORD4-75	0	1	1
Mainstem	2019	Exposed	Fording	FORD5	FORD5-12.5	0	0.7	0.7
Mainstem	2019	Exposed	Fording	FORD5	FORD5-25	0	0.69	0.69
Mainstem	2019	Exposed	Fording	FORD5	FORD5-50	0	1	1
Mainstem	2019	Exposed	Fording	FORD6	FORD6-25	0.02	0.94	0.96
Mainstem	2019	Exposed	Fording	FORD6	FORD6-50	0.16	1	1.16
Mainstem	2019	Exposed	Fording	FORD6	FORD6-75	0	0.81	0.81
Mainstem	2019	Exposed	Fording	FORD7	FORD7-25	0.09	1	1.09
Mainstem	2019	Exposed	Fording	FORD7	FORD7-50	0	0.47	0.47
Mainstem	2019	Exposed	Fording	FORD7	FORD7-75	0.14	1	1.14
Mainstem	2019	Exposed	Fording	FORD9	FORD9-25	0.3	0.76	1.06
Mainstem	2019	Exposed	Fording	FORD9	FORD9-37.5	0.5	0.81	1.31
Mainstem	2019	Exposed	Fording	FORD9	FORD9-50	0	0.15	0.15
Mainstem	2019	Exposed	Fording	FORD9	FORD9-60	0	0.17	0.17
Mainstem	2019	Exposed	Fording	FORD9	FORD9-62.5	0	0.45	0.45
Mainstem	2019	Exposed	Fording	FORD9	FORD9-75	0	0.08	0.08
Tributary	2019	Exposed	Gardine	GARD1	GARD1-50	0.01	0.58	0.59
Tributary	2019	Exposed	Gardine	GARD1	GARD1-75	0	0.41	0.41
Tributary	2019	Exposed	Goddard	GODD1	GODD1-0	0	0.24	0.24
Tributary	2019	Exposed	Goddard	GODD2	GODD2-25	1.41	0.97	2.38
Tributary	2019	Exposed	Goddard	GODD2	GODD2-50	1.83	1	2.83
Tributary	2019	Exposed	Goddard	GODD2	GODD2-75	1.38	0.98	2.36
Tributary	2019	Exposed	Goddard	GODD3	GODD3-25	1.73	1	2.73

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Goddard	GODD3	GODD3-50	1.64	0.91	2.55
Tributary	2019	Exposed	Goddard	GODD3	GODD3-75	1.69	1	2.69
Tributary	2019	Reference	Grace	GRAC1	GRAC1-25	0.02	0.38	0.4
Tributary	2019	Reference	Grace	GRAC1	GRAC1-50	0	0.09	0.09
Tributary	2019	Reference	Grace	GRAC1	GRAC1-75	0	0.09	0.09
Tributary	2019	Exposed	Grassy	GRAS1	GRAS1-25	0.22	0.39	0.61
Tributary	2019	Exposed	Grassy	GRAS1	GRAS1-50	0.15	0.17	0.32
Tributary	2019	Exposed	Grassy	GRAS1	GRAS1-75	0	0.21	0.21
Tributary	2019	Exposed	Grave	GRAV1	GRAV1-25	0	0.42	0.42
Tributary	2019	Exposed	Grave	GRAV1	GRAV1-50	0	0.38	0.38
Tributary	2019	Exposed	Grave	GRAV1	GRAV1-75	0.01	0.41	0.42
Tributary	2019	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2019	Reference	Grave	GRAV3	GRAV3-75	0	0	0
Tributary	2019	Exposed	Greenhills	GREE1	GREE1-25	0	0.21	0.21
Tributary	2019	Exposed	Greenhills	GREE1	GREE1-50	0	0.54	0.54
Tributary	2019	Exposed	Greenhills	GREE1	GREE1-75	0.28	0.95	1.23
Tributary	2019	Exposed	Greenhills	GREE3	GREE3-25	0.81	0.99	1.8
Tributary	2019	Exposed	Greenhills	GREE3	GREE3-50	1.3	1	2.3
Tributary	2019	Exposed	Greenhills	GREE3	GREE3-75	0.64	0.98	1.62
Tributary	2019	Exposed	Greenhills	GREE4	GREE4-25	0.81	1	1.81
Tributary	2019	Exposed	Greenhills	GREE4	GREE4-50	1.86	1	2.86
Tributary	2019	Exposed	Greenhills	GREE4	GREE4-75	1.3	1	2.3
Tributary	2019	Exposed	Harmer	HARM1	HARM1-25	0	0.7	0.7
Tributary	2019	Exposed	Harmer	HARM1	HARM1-50	0	0.89	0.89
Tributary	2019	Exposed	Harmer	HARM1	HARM1-75	0	0.87	0.87
Tributary	2019	Exposed	Harmer	HARM3	HARM3-25	0.01	0.2	0.21
Tributary	2019	Exposed	Harmer	HARM3	HARM3-50	0	0.06	0.06
Tributary	2019	Exposed	Harmer	HARM3	HARM3-75	0	0.14	0.14

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Henretta	HENR1	HENR1-25	0	0.5	0.5
Tributary	2019	Exposed	Henretta	HENR1	HENR1-50	0	0.32	0.32
Tributary	2019	Exposed	Henretta	HENR1	HENR1-75	0	0.39	0.39
Tributary	2019	Exposed	Kilmamock	KILM1	KILM1-25	1.94	1	2.94
Tributary	2019	Exposed	Kilmamock	KILM1	KILM1-50	1.94	1	2.94
Tributary	2019	Exposed	Kilmamock	KILM1	KILM1-75	1.07	0.73	1.8
Tributary	2019	Exposed	Lake Mountain	LMOU1	LMOU1-50	0	0.83	0.83
Tributary	2019	Exposed	Lake Mountain	LMOU1	LMOU1-75	0	0.92	0.92
Tributary	2019	Exposed	Leask	LEAS2	LEAS2-18.2	1.8	1	2.8
Tributary	2019	Exposed	Leask	LEAS2	LEAS2-25	1.75	1	2.75
Tributary	2019	Exposed	Leask	LEAS2	LEAS2-9.1	1.81	1	2.81
Tributary	2019	Exposed	Line	LINE1	LINE1-25	0	0.12	0.12
Tributary	2019	Exposed	Line	LINE1	LINE1-50	0.06	0.28	0.34
Tributary	2019	Exposed	Line	LINE1	LINE1-75	0.16	0.77	0.93
Tributary	2019	Exposed	Line	LINE4	LINE4-25	0	0.97	0.97
Tributary	2019	Exposed	Line	LINE4	LINE4-50	0	0.93	0.93
Tributary	2019	Exposed	Line	LINE4	LINE4-75	0	0.89	0.89
Mainstem	2019	Exposed	Michel	MICH1	MICH1-25	0	0.08	0.08
Mainstem	2019	Exposed	Michel	MICH1	MICH1-50	0	0.02	0.02
Mainstem	2019	Exposed	Michel	MICH1	MICH1-75	0	0.02	0.02
Mainstem	2019	Exposed	Michel	MICH4	MICH4-25	0	0	0
Mainstem	2019	Exposed	Michel	MICH4	MICH4-50	0	0	0
Mainstem	2019	Exposed	Michel	MICH4	MICH4-75	0	0.05	0.05
Mainstem	2019	Reference	Michel	MICH5	MICH5-25	0	0.06	0.06
Mainstem	2019	Reference	Michel	MICH5	MICH5-50	0	0.07	0.07
Mainstem	2019	Reference	Michel	MICH5	MICH5-75	0	0.04	0.04
Tributary	2019	Exposed	Mickelson	MICK1	MICK1-37.5	0.82	1	1.82

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Exposed	Mickelson	MICK1	MICK1-50	0.39	0.95	1.34
Tributary	2019	Exposed	Mickelson	MICK1	MICK1-62.5	1.01	0.98	1.99
Tributary	2019	Exposed	Mickelson	MICK1	MICK1-75	1.2	1	2.2
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-12.5	0.75	0.91	1.66
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-25	0.11	0.86	0.97
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-37.5	0.38	0.87	1.25
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-50	0.38	0.93	1.31
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-62.5	1.05	0.98	2.03
Tributary	2019	Exposed	North Thompson	NTHO1	NTHO1-75	1.18	0.98	2.16
Tributary	2018	Exposed	Pengally	PENG1	PENG1-0	0	0	0
Tributary	2018	Exposed	Pengally	PENG1	PENG1-50	0	0	0
Tributary	2019	Exposed	Porter	PORT1	PORT1-0	0	0.85	0.85
Tributary	2019	Exposed	Porter	PORT3a	PORT3a-12.5	0	0.26	0.26
Tributary	2019	Exposed	Porter	PORT3a	PORT3a-25	0.02	0.4	0.42
Tributary	2019	Exposed	Porter	PORT3a	PORT3a-37.5	0	0.34	0.34
Tributary	2019	Exposed	Porter	PORT3b	PORT3b-50	1.22	0.95	2.17
Tributary	2019	Exposed	Porter	PORT3b	PORT3b-62.5	1.62	0.99	2.61
Tributary	2019	Exposed	Porter	PORT3b	PORT3b-75	1.82	1	2.82
Tributary	2019	Exposed	Sawmill	SAWM1	SAWM1-0	0	0	0
Tributary	2019	Exposed	Site18	SITE	SITE-18	1.93	1	2.93
Tributary	2019	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.09	0.91	2
Tributary	2019	Reference	South Line	SLINE2	SLINE2-25	0	0.06	0.06
Tributary	2019	Reference	South Line	SLINE2	SLINE2-50	0	0.08	0.08

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2019	Reference	South Line	SLINE2	SLINE2-75	0	0.09	0.09
Tributary	2019	Exposed	South Pit	SPIT1	SPIT1-0	1.43	1	2.43
Tributary	2019	Reference	SouthWolfram	SWOL1	SWOL1-7.5	1.96	1	2.96
Tributary	2019	Exposed	Spring	SPRI1	SPRI1-0	0	0.05	0.05
Tributary	2019	Exposed	Swift	SWIF1	SWIF1-0	1.16	0.95	2.11
Tributary	2019	Exposed	Swift	SWIF1	SWIF1-25	0.65	0.99	1.64
Tributary	2019	Exposed	Thompson	THOM2	THOM2-25	0	0.71	0.71
Tributary	2019	Exposed	Thompson	THOM2	THOM2-50	0	0.58	0.58
Tributary	2019	Exposed	Thompson	THOM2	THOM2-75	0.25	0.93	1.18
Tributary	2019	Exposed	Thompson	THOM3	THOM3-25	0.22	0.95	1.17
Tributary	2019	Exposed	Thompson	THOM3	THOM3-50	0.85	1	1.85
Tributary	2019	Exposed	Thompson	THOM3	THOM3-75	0.9	0.97	1.87
Tributary	2019	Exposed	Wolf	WOL1	WOL1-25	0	0.87	0.87
Tributary	2019	Exposed	Wolf	WOL1	WOL1-50	0.01	0.91	0.92
Tributary	2019	Exposed	Wolfram	WOLF2	WOLF2-75	0.06	0.78	0.84
Tributary	2019	Exposed	Wolfram	WOLF3	WOLF3-25	1.8	1	2.8
Tributary	2019	Exposed	Wolfram	WOLF3	WOLF3-50	1.86	1	2.86
Tributary	2019	Exposed	Wolfram	WOLF3	WOLF3-75	1.93	1	2.93
Tributary	2020	Reference	Alexander	ALEX3	ALEX3-25	0	0.45	0.45
Tributary	2020	Reference	Alexander	ALEX3	ALEX3-50	0	0.41	0.41
Tributary	2020	Reference	Alexander	ALEX3	ALEX3-75	0	0.36	0.36
Tributary	2020	Reference	Andy Good	ANDY1	ANDY1-25	0	0	0
Tributary	2020	Reference	Andy Good	ANDY1	ANDY1-50	0	0	0
Tributary	2020	Reference	Andy Good	ANDY1	ANDY1-75	0	0	0
Tributary	2020	Exposed	Aqueduct	AQUE1	AQUE1-0	0	0	0
Tributary	2020	Exposed	Balmer	BALM1	BALM1-25	0	0.01	0.01
Tributary	2020	Exposed	Balmer	BALM1	BALM1-50	0	0.02	0.02
Tributary	2020	Exposed	Balmer	BALM1	BALM1-75	0	0	0

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Bodie	BODI1	BODI1-25	0.08	0.29	0.37
Tributary	2020	Exposed	Bodie	BODI1	BODI1-50	0.83	0.96	1.79
Tributary	2020	Exposed	Bodie	BODI1	BODI1-75	0.45	0.69	1.14
Tributary	2020	Exposed	Bodie	BODI3	BODI3-25	1.69	0.97	2.66
Tributary	2020	Exposed	Bodie	BODI3	BODI3-50	1.64	0.99	2.63
Tributary	2020	Exposed	Bodie	BODI3	BODI3-75	1.56	1	2.56
Tributary	2020	Reference	Chauncey	CHAU1	CHAU1-25	0	0.15	0.15
Tributary	2020	Reference	Chauncey	CHAU1	CHAU1-50	0	0.21	0.21
Tributary	2020	Reference	Chauncey	CHAU1	CHAU1-75	0	0.27	0.27
Tributary	2020	Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.29	0.87	1.16
Tributary	2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0	0.8	0.8
Tributary	2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0	0.72	0.72
Tributary	2020	Exposed	Corbin	CORB1	CORB1-25	1.38	0.93	2.31
Tributary	2020	Exposed	Corbin	CORB1	CORB1-50	1.66	0.95	2.61
Tributary	2020	Exposed	Corbin	CORB1	CORB1-75	1.48	0.96	2.44
Tributary	2020	Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.67	1	2.67
Tributary	2020	Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.93	1	2.93
Tributary	2020	Exposed	Dry (EVO)	DRYE3	DRYE3-50	1.83	1	2.83
Tributary	2020	Exposed	Dry (EVO)	DRYE3	DRYE3-75	1.71	1	2.71
Tributary	2020	Exposed	Dry (EVO)	DRYE4	DRYE4-25	1.94	1	2.94
Tributary	2020	Exposed	Dry (LCO)	DRYL1	DRYL1-25	0	0.46	0.46
Tributary	2020	Exposed	Dry (LCO)	DRYL1	DRYL1-50	0	0.76	0.76
Tributary	2020	Exposed	Dry (LCO)	DRYL1	DRYL1-75	0	0.64	0.64
Tributary	2020	Exposed	Dry (LCO)	DRYL2	DRYL2-25	0	0.6	0.6
Tributary	2020	Exposed	Dry (LCO)	DRYL2	DRYL2-50	0	0.66	0.66
Tributary	2020	Exposed	Dry (LCO)	DRYL2	DRYL2-75	0	0.54	0.54
Tributary	2020	Exposed	Dry (LCO)	DRYL3	DRYL3-25	0	0.43	0.43
Tributary	2020	Exposed	Dry (LCO)	DRYL3	DRYL3-50	0	0.2	0.2

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Dry (LCO)	DRYL3	DRYL3-75	0	0.23	0.23
Tributary	2020	Exposed	Dry (LCO)	DRYL4	DRYL4-25	0	0.39	0.39
Tributary	2020	Exposed	Dry (LCO)	DRYL4	DRYL4-50	0	0.18	0.18
Tributary	2020	Exposed	Dry (LCO)	DRYL4	DRYL4-75	0	0.32	0.32
Tributary	2020	Reference	East Dry	ETRI1	ETRI1-0	0	0.01	0.01
Tributary	2020	Reference	East Dry	ETRI1	ETRI1-50	0	0.02	0.02
Mainstem	2020	Exposed	Elk	ELKR10	ELKR10-25	0	0.01	0.01
Mainstem	2020	Exposed	Elk	ELKR10	ELKR10-50	0	0.11	0.11
Mainstem	2020	Exposed	Elk	ELKR10	ELKR10-75	0	0.04	0.04
Mainstem	2020	Exposed	Elk	ELKR12	ELKR12-25	0	0.05	0.05
Mainstem	2020	Exposed	Elk	ELKR12	ELKR12-50	0	0	0
Mainstem	2020	Exposed	Elk	ELKR12	ELKR12-75	0	0.11	0.11
Mainstem	2020	Reference	Elk	ELKR15	ELKR15-25	0	0	0
Mainstem	2020	Reference	Elk	ELKR15	ELKR15-50	0	0	0
Mainstem	2020	Reference	Elk	ELKR15	ELKR15-75	0	0	0
Mainstem	2020	Exposed	Elk	ELKR8	ELKR8-25	0	0.34	0.34
Mainstem	2020	Exposed	Elk	ELKR8	ELKR8-50	0	0.66	0.66
Mainstem	2020	Exposed	Elk	ELKR8	ELKR8-75	0	0.25	0.25
Mainstem	2020	Exposed	Elk	ELKR9	ELKR9-25	0	0.01	0.01
Mainstem	2020	Exposed	Elk	ELKR9	ELKR9-50	0	0.03	0.03
Mainstem	2020	Exposed	Elk	ELKR9	ELKR9-75	0	0.2	0.2
Tributary	2020	Exposed	Erickson	ERIC1	ERIC1-0	1.85	1	2.85
Tributary	2020	Exposed	Erickson	ERIC1	ERIC1-50	1.98	1	2.98
Tributary	2020	Exposed	Erickson	ERIC2	ERIC2-0	1.62	0.95	2.57
Tributary	2020	Exposed	Erickson	ERIC3	ERIC3-0	1.92	0.99	2.91
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-12.5	1.68	1	2.68
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-25	1.27	0.95	2.22
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-37.5	0.98	0.96	1.94

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-50	0.6	0.94	1.54
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-62.5	0.1	0.93	1.03
Tributary	2020	Exposed	Erickson	ERIC4	ERIC4-75	0.02	0.62	0.64
Tributary	2020	Exposed	Feltham	FELT1	FELT1-25	0	0.01	0.01
Tributary	2020	Exposed	Feltham	FELT1	FELT1-50	0	0.02	0.02
Tributary	2020	Exposed	Feltham	FELT1	FELT1-75	0	0	0
Tributary	2020	Exposed	Fennelon	FENN1	FENN1-50	0	0	0
Tributary	2020	Exposed	Fish Pond	FPON1	FPON1-25	0	0.56	0.56
Tributary	2020	Exposed	Fish Pond	FPON1	FPON1-50	0	0.53	0.53
Tributary	2020	Exposed	Fish Pond	FPON1	FPON1-75	0	0.34	0.34
Mainstem	2020	Exposed	Fording	FORD1	FORD1-25	0	0.15	0.15
Mainstem	2020	Exposed	Fording	FORD1	FORD1-50	0	0.01	0.01
Mainstem	2020	Exposed	Fording	FORD1	FORD1-75	0	0.27	0.27
Mainstem	2020	Exposed	Fording	FORD10	FORD10-25	0.21	0.41	0.62
Mainstem	2020	Exposed	Fording	FORD10	FORD10-50	0	0.35	0.35
Mainstem	2020	Exposed	Fording	FORD10	FORD10-75	0	0.59	0.59
Mainstem	2020	Exposed	Fording	FORD11	FORD11-25	0	0.36	0.36
Mainstem	2020	Exposed	Fording	FORD11	FORD11-50	0	0.18	0.18
Mainstem	2020	Exposed	Fording	FORD11	FORD11-75	0	0	0
Mainstem	2020	Reference	Fording	FORD12	FORD12-25	0	0.14	0.14
Mainstem	2020	Reference	Fording	FORD12	FORD12-50	0	0.25	0.25
Mainstem	2020	Reference	Fording	FORD12	FORD12-75	0	0.05	0.05
Mainstem	2020	Exposed	Fording	FORD2	FORD2-25	0	0.24	0.24

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2020	Exposed	Fording	FORD2	FORD2-50	0.03	0.28	0.31
Mainstem	2020	Exposed	Fording	FORD2	FORD2-75	0.13	0.33	0.46
Mainstem	2020	Exposed	Fording	FORD3	FORD3-25	0.25	0.76	1.01
Mainstem	2020	Exposed	Fording	FORD3	FORD3-50	0.03	0.73	0.76
Mainstem	2020	Exposed	Fording	FORD3	FORD3-75	0.37	0.73	1.1
Mainstem	2020	Exposed	Fording	FORD4	FORD4-12.5	0.14	0.99	1.13
Mainstem	2020	Exposed	Fording	FORD4	FORD4-50	0	0.9	0.9
Mainstem	2020	Exposed	Fording	FORD4	FORD4-62.5	0	0.66	0.66
Mainstem	2020	Exposed	Fording	FORD4	FORD4-75	0	0.82	0.82
Mainstem	2020	Exposed	Fording	FORD5	FORD5-12.5	0	0.71	0.71
Mainstem	2020	Exposed	Fording	FORD5	FORD5-25	0	0.57	0.57
Mainstem	2020	Exposed	Fording	FORD5	FORD5-50	0.01	0.94	0.95
Mainstem	2020	Exposed	Fording	FORD5	FORD5-75	0.11	0.81	0.92
Mainstem	2020	Exposed	Fording	FORD6	FORD6-50	0.2	1	1.2
Mainstem	2020	Exposed	Fording	FORD6	FORD6-75	0	0.71	0.71
Mainstem	2020	Exposed	Fording	FORD7	FORD7-25	0.22	0.97	1.19
Mainstem	2020	Exposed	Fording	FORD7	FORD7-50	0	0.81	0.81
Mainstem	2020	Exposed	Fording	FORD7	FORD7-75	0.28	1	1.28
Mainstem	2020	Exposed	Fording	FORD8	FORD8-25	0	0.47	0.47
Mainstem	2020	Exposed	Fording	FORD8	FORD8-50	0	0.76	0.76
Mainstem	2020	Exposed	Fording	FORD8	FORD8-75	0	0.84	0.84
Mainstem	2020	Exposed	Fording	FORD9	FORD9-12.5	0.02	0.53	0.55
Mainstem	2020	Exposed	Fording	FORD9	FORD9-25	0.16	0.69	0.85
Mainstem	2020	Exposed	Fording	FORD9	FORD9-37.5	0.11	0.46	0.57
Mainstem	2020	Exposed	Fording	FORD9	FORD9-50	0	0.23	0.23

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2020	Exposed	Fording	FORD9	FORD9-62.5	0	0.36	0.36
Mainstem	2020	Exposed	Fording	FORD9	FORD9-75	0	0.06	0.06
Tributary	2020	Exposed	Gardine	GARD1	GARD1-25	0.65	1	1.65
Tributary	2020	Exposed	Gardine	GARD1	GARD1-50	0	0.12	0.12
Tributary	2020	Exposed	Gardine	GARD1	GARD1-75	0	0.02	0.02
Tributary	2020	Exposed	Gate	GATE2	GATE2-25	0.42	0.87	1.29
Tributary	2020	Exposed	Gate	GATE2	GATE2-50	1	0.88	1.88
Tributary	2020	Exposed	Gate	GATE2	GATE2-75	0.78	0.87	1.65
Tributary	2020	Exposed	Goddard	GODD1	GODD1-0	0	0.16	0.16
Tributary	2020	Exposed	Goddard	GODD2	GODD2-25	0.32	0.61	0.93
Tributary	2020	Exposed	Goddard	GODD2	GODD2-50	1.96	1	2.96
Tributary	2020	Exposed	Goddard	GODD2	GODD2-75	1.66	0.86	2.52
Tributary	2020	Exposed	Goddard	GODD3	GODD3-25	1.65	0.91	2.56
Tributary	2020	Exposed	Goddard	GODD3	GODD3-50	1.55	0.89	2.44
Tributary	2020	Exposed	Goddard	GODD3	GODD3-75	1.72	0.92	2.64
Tributary	2020	Reference	Grace	GRAC1	GRAC1-25	0.02	0.22	0.24
Tributary	2020	Reference	Grace	GRAC1	GRAC1-50	0	0.38	0.38
Tributary	2020	Reference	Grace	GRAC1	GRAC1-75	0	0.13	0.13
Tributary	2020	Exposed	Grassy	GRAS1	GRAS1-25	0.04	0.36	0.4
Tributary	2020	Exposed	Grassy	GRAS1	GRAS1-50	0	0.01	0.01
Tributary	2020	Exposed	Grassy	GRAS1	GRAS1-75	0.01	0.1	0.11
Tributary	2020	Exposed	Grave	GRAV1	GRAV1-25	0.01	0.22	0.23
Tributary	2020	Exposed	Grave	GRAV1	GRAV1-50	0.02	0.37	0.39
Tributary	2020	Exposed	Grave	GRAV1	GRAV1-75	0	0.23	0.23
Tributary	2020	Reference	Grave	GRAV3	GRAV3-25	0	0	0
Tributary	2020	Reference	Grave	GRAV3	GRAV3-50	0	0	0
Tributary	2020	Reference	Grave	GRAV3	GRAV3-75	0	0.02	0.02

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Greenhills	GREE1	GREE1-25	0	0.47	0.47
Tributary	2020	Exposed	Greenhills	GREE1	GREE1-50	0	0.11	0.11
Tributary	2020	Exposed	Greenhills	GREE1	GREE1-75	0.39	0.95	1.34
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-12.5	1.6	1	2.6
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-25	1.51	1	2.51
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-37.5	1.63	0.99	2.62
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-50	1.6	1	2.6
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-62.5	1.54	0.99	2.53
Tributary	2020	Exposed	Greenhills	GREE3	GREE3-75	1.62	1	2.62
Tributary	2020	Exposed	Greenhills	GREE4	GREE4-25	1.92	1	2.92
Tributary	2020	Exposed	Greenhills	GREE4	GREE4-50	1.85	1	2.85
Tributary	2020	Exposed	Greenhills	GREE4	GREE4-75	1.76	0.98	2.74
Tributary	2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-25	0	0.83	0.83
Tributary	2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-50	0	0.36	0.36
Tributary	2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-75	0	0.05	0.05
Tributary	2020	Exposed	Harmer	HARM1	HARM1-25	0.04	0.76	0.8
Tributary	2020	Exposed	Harmer	HARM1	HARM1-50	0.03	0.9	0.93
Tributary	2020	Exposed	Harmer	HARM1	HARM1-75	0.02	0.95	0.97
Tributary	2020	Exposed	Harmer	HARM3	HARM3-25	0	0.17	0.17
Tributary	2020	Exposed	Harmer	HARM3	HARM3-50	0	0.05	0.05
Tributary	2020	Exposed	Harmer	HARM3	HARM3-75	0	0.13	0.13
Tributary	2020	Exposed	Henretta	HENR1	HENR1-25	0.23	0.97	1.2
Tributary	2020	Exposed	Henretta	HENR1	HENR1-50	0	0.44	0.44
Tributary	2020	Exposed	Henretta	HENR1	HENR1-75	0	0.44	0.44
Tributary	2020	Reference	Henretta	HENR3	HENR3-25	0	0.57	0.57
Tributary	2020	Reference	Henretta	HENR3	HENR3-50	0	0.04	0.04

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Reference	Henretta	HENR3	HENR3-75	0	0	0
Tributary	2020	Exposed	Kilmarnock	KILM1	KILM1-25	1.81	1	2.81
Tributary	2020	Exposed	Kilmarnock	KILM1	KILM1-50	1.91	0.99	2.9
Tributary	2020	Exposed	Kilmarnock	KILM1	KILM1-75	1.11	0.58	1.69
Tributary	2020	Exposed	Lake Mountain	LMOU1	LMOU1-0	0	0.64	0.64
Tributary	2020	Exposed	Leask	LEAS2	LEAS2-18.2	1.59	1	2.59
Tributary	2020	Exposed	Leask	LEAS2	LEAS2-25	1.46	0.99	2.45
Tributary	2020	Exposed	Leask	LEAS2	LEAS2-9.1	1.33	1	2.33
Tributary	2020	Exposed	Lindsay	LIND1	LIND1-25	0	0.28	0.28
Tributary	2020	Exposed	Lindsay	LIND1	LIND1-50	0	0.04	0.04
Tributary	2020	Exposed	Lindsay	LIND1	LIND1-75	0	0	0
Tributary	2020	Exposed	Line	LINE1	LINE1-25	0	0.76	0.76
Tributary	2020	Exposed	Line	LINE1	LINE1-50	0	0.79	0.79
Tributary	2020	Exposed	Line	LINE1	LINE1-75	0	0.73	0.73
Tributary	2020	Exposed	Line	LINE2	LINE2-25	0	0.56	0.56
Tributary	2020	Exposed	Line	LINE2	LINE2-50	0.02	0.61	0.63
Tributary	2020	Exposed	Line	LINE2	LINE2-75	0	0.37	0.37
Tributary	2020	Exposed	Line	LINE3	LINE3-25	0	0.43	0.43
Tributary	2020	Exposed	Line	LINE3	LINE3-50	0	0.61	0.61
Tributary	2020	Exposed	Line	LINE3	LINE3-75	0	0.39	0.39
Tributary	2020	Exposed	Line	LINE4	LINE4-25	0	0.85	0.85
Tributary	2020	Exposed	Line	LINE4	LINE4-50	0	0.62	0.62
Tributary	2020	Exposed	Line	LINE4	LINE4-75	0	0.64	0.64
Mainstem	2020	Exposed	Michel	MICH1	MICH1-25	0	0.16	0.16
Mainstem	2020	Exposed	Michel	MICH1	MICH1-50	0	0.12	0.12
Mainstem	2020	Exposed	Michel	MICH1	MICH1-75	0	0.08	0.08
Mainstem	2020	Exposed	Michel	MICH2	MICH2-25	0	0.78	0.78

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Mainstem	2020	Exposed	Michel	MICH2	MICH2-50	0	0.83	0.83
Mainstem	2020	Exposed	Michel	MICH2	MICH2-75	0	0.75	0.75
Mainstem	2020	Exposed	Michel	MICH3	MICH3-25	0	0.38	0.38
Mainstem	2020	Exposed	Michel	MICH3	MICH3-50	0	0.55	0.55
Mainstem	2020	Exposed	Michel	MICH3	MICH3-75	0	0.41	0.41
Mainstem	2020	Exposed	Michel	MICH4	MICH4-25	0	0.02	0.02
Mainstem	2020	Exposed	Michel	MICH4	MICH4-50	0	0.05	0.05
Mainstem	2020	Exposed	Michel	MICH4	MICH4-75	0	0.07	0.07
Mainstem	2020	Reference	Michel	MICH5	MICH5-25	0	0.04	0.04
Mainstem	2020	Reference	Michel	MICH5	MICH5-50	0	0.03	0.03
Mainstem	2020	Reference	Michel	MICH5	MICH5-75	0	0.03	0.03
Tributary	2020	Exposed	Mickelson	MICK1	MICK1-75	0.39	0.9	1.29
Tributary	2020	Exposed	Mickelson	MICK1	MICK1-87.5	0.37	0.78	1.15
Tributary	2020	Exposed	Milligan	MILL1	MILL1-0	0.51	0.82	1.33
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-12.5	1.33	0.81	2.14
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-25	1.2	0.78	1.98
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-37.5	1.3	0.79	2.09
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-50	1.27	0.9	2.17
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-62.5	1.15	0.96	2.11
Tributary	2020	Exposed	North Thompson	NTHO1	NTHO1-75	0.5	0.99	1.49
Tributary	2020	Exposed	North Willow	WILN2	WILN2-25	0	0	0
Tributary	2020	Exposed	North Willow	WILN2	WILN2-50	0	0.04	0.04
Tributary	2020	Exposed	North Wolfram	NWOL1	NWOL1-25	1.71	1	2.71
Tributary	2020	Exposed	Otto	OTTO1	OTTO1-0	0	0.46	0.46
Tributary	2020	Exposed	Porter	PORT1	PORT1-0	0	0.98	0.98

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Porter	PORT3a	PORT3a-12.5	0	0.33	0.33
Tributary	2020	Exposed	Porter	PORT3a	PORT3a-25	0.01	0.81	0.82
Tributary	2020	Exposed	Porter	PORT3a	PORT3a-37.5	0	0.28	0.28
Tributary	2020	Exposed	Porter	PORT3b	PORT3b-50	1.16	0.82	1.98
Tributary	2020	Exposed	Porter	PORT3b	PORT3b-62.5	1.77	1	2.77
Tributary	2020	Exposed	Porter	PORT3b	PORT3b-75	1.91	1	2.91
Tributary	2020	Exposed	Sawmill	SAWM1	SAWM1-0	0	0.08	0.08
Tributary	2020	Exposed	Sawmill	SAWM1	SAWM1-50	0	0.01	0.01
Tributary	2020	Exposed	Site18	SITE	SITE-18	1.97	1	2.97
Tributary	2020	Exposed	Six Mile	SIXM1	SIXM1-25	0.06	0.98	1.04
Tributary	2020	Exposed	Six Mile	SIXM1	SIXM1-50	0	0.77	0.77
Tributary	2020	Exposed	Six Mile	SIXM1	SIXM1-75	0	0.97	0.97
Tributary	2020	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	1.02	1	2.02
Tributary	2020	Reference	South Line	SLINE2	SLINE2-25	0	0.11	0.11
Tributary	2020	Reference	South Line	SLINE2	SLINE2-50	0	0.03	0.03
Tributary	2020	Reference	South Line	SLINE2	SLINE2-75	0	0.02	0.02
Tributary	2020	Exposed	South Pit	SPIT1	SPIT1-0	1.35	0.95	2.3
Tributary	2020	Exposed	SouthWolfram	SWOL1	SWOL1-16	1.89	1	2.89
Tributary	2020	Exposed	SouthWolfram	SWOL1	SWOL1-25	1.58	0.92	2.5
Tributary	2020	Exposed	SouthWolfram	SWOL1	SWOL1-32.1	1.66	0.99	2.65
Tributary	2020	Exposed	SouthWolfram	SWOL1	SWOL1-7.5	1.22	0.81	2.03
Tributary	2020	Exposed	Spring	SPRI1	SPRI1-0	0	0.04	0.04
Tributary	2020	Exposed	Stream 02	STR02	STR02-50	0	0.02	0.02
Tributary	2020	Exposed	Thompson	THOM2	THOM2-25	0.05	0.78	0.83

Strata	Year	Type	Stream	Reach	Site	Calcite concretion	Calcite presence	Calcite index
Tributary	2020	Exposed	Thompson	THOM2	THOM2-50	0	0.52	0.52
Tributary	2020	Exposed	Thompson	THOM2	THOM2-75	0.12	0.94	1.06
Tributary	2020	Exposed	Thompson	THOM3	THOM3-12.5	0.74	1	1.74
Tributary	2020	Exposed	Thompson	THOM3	THOM3-25	1.1	1	2.1
Tributary	2020	Exposed	Thompson	THOM3	THOM3-37.5	0.19	0.79	0.98
Tributary	2020	Exposed	Thompson	THOM3	THOM3-50	0.07	0.73	0.8
Tributary	2020	Exposed	Thompson	THOM3	THOM3-62.5	0.22	0.94	1.16
Tributary	2020	Exposed	Thompson	THOM3	THOM3-75	0.07	0.88	0.95
Tributary	2020	Exposed	Thompson	THOM4	THOM4-25	0	0.27	0.27
Tributary	2020	Exposed	Thompson	THOM4	THOM4-50	0	0.12	0.12
Tributary	2020	Exposed	Thompson	THOM4	THOM4-75	0	0.09	0.09
Tributary	2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	0	0	0
Tributary	2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	0	0	0
Tributary	2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-75	0	0	0
Tributary	2020	Exposed	Upper Thompson	UTHO1	UTHO1-25	0.23	0.91	1.14
Tributary	2020	Exposed	Upper Thompson	UTHO1	UTHO1-50	0	0.76	0.76
Tributary	2020	Exposed	Upper Thompson	UTHO1	UTHO1-75	0.61	0.95	1.56
Tributary	2020	Exposed	Upper Thompson Pond Outlet	UTPO1	UTPO1-0	0.12	0.4	0.52
Tributary	2020	Exposed	Wolf	WOL1	WOL1-25	0	0.01	0.01
Tributary	2020	Exposed	Wolf	WOL1	WOL1-50	0	0	0
Tributary	2020	Exposed	Wolfram	WOLF2	WOLF2-75	1.51	0.9	2.41
Tributary	2020	Exposed	Wolfram	WOLF3	WOLF3-25	1.94	1	2.94
Tributary	2020	Exposed	Wolfram	WOLF3	WOLF3-50	1.96	1	2.96
Tributary	2020	Exposed	Wolfram	WOLF3	WOLF3-75	1.94	1	2.94

Appendix 11. Summary of stream kilometers by calcite presence, calcite concretion, and calcite index bins.

Stream calcite distribution for the four stream categories, by calcite presence ranges for 2020.

Cp Bin	Exposed				Reference			
	Mainstem (km)	%	Tributary (km)	%	Mainstem (km)	%	Tributary (km)	%
0	0.0	0%	6.9	9%	14.5	48%	7.8	24%
0.01-0.20	65.3	38%	14.2	18%	16.1	52%	12.7	39%
0.21-0.40	10.7	6%	6.7	9%	0.0	0%	11.8	37%
0.41-0.60	47.8	28%	10.2	13%	0.0	0%	0.0	0%
0.61-0.80	35.6	21%	8.2	11%	0.0	0%	0.0	0%
0.81-1.00	13.8	8%	31.2	40%	0.0	0%	0.0	0%
Total 2020	**173.2**	**100%**	**77.5**	**100%**	**30.6**	**100%**	**32.4**	**100%**
Total 2019	127.3	-	53.0	-	30.6	-	24.7	-
Total 2018	195.0	-	95.8	-	30.6	-	34.9	-
Total 2017	117.7	-	72.8	-	30.6	-	21.4	-
Total 2016	110.5	-	69.4	-	30.6	-	21.4	-
Total 2015	195.0	-	90.4	-	30.6	-	50.3	-
Total 2014	195.0	-	89.4	-	30.6	-	54.5	-
Total 2013	187.8	-	92.1	-	30.6	-	41.6	-

Stream calcite distribution (km) for the four stream categories, by calcite concretion ranges for 2020.

Cc Bin	Exposed				Reference			
	Mainstem (km)	%	Tributary (km)	%	Mainstem (km)	%	Tributary (km)	%
0	125.9	73%	39.6	51%	30.6	100%	32.4	100%
0.01-0.50	47.4	27%	11.5	15%	0.0	0%	0.0	0%
0.51-1.00	0.0	0%	3.5	5%	0.0	0%	0.0	0%
1.01-1.50	0.0	0%	6.3	8%	0.0	0%	0.0	0%
1.51-2.00	0.0	0%	16.6	21%	0.0	0%	0.0	0%
Total 2020	**173.2**	**100%**	**77.5**	**100%**	**30.6**	**100%**	**32.4**	**100%**
Total 2019	127.3	-	53.0	-	30.6	-	24.7	-
Total 2018	195.0	-	95.8	-	30.6	-	34.9	-
Total 2017	117.7	-	72.8	-	30.6	-	21.4	-
Total 2016	110.5	-	69.4	-	30.6	-	21.4	-
Total 2015	195.0	-	90.4	-	30.6	-	50.3	-
Total 2014	195.0	-	89.4	-	30.6	-	54.5	-
Total 2013	187.8	-	92.1	-	30.6	-	41.6	-

Stream calcite distribution (km) for the four stream categories, by calcite index ranges for 2020.

CI Bin	Exposed				Reference				
	Mainstem (km)	%	Tributary (km)	%	Mainstem (km)	%	Tributary (km)	%	
0	0.0	0%	6.9	9%	14.5	48%	7.8	24%	
0.01-0.50	120.5	70%	23.8	31%	16.1	52%	24.6	76%	
0.51-1.00	50.8	29%	17.3	22%	0.0	0%	0.0	0%	
1.01-1.50	1.9	1%	3.2	4%	0.0	0%	0.0	0%	
1.51-2.00	0.0	0%	5.4	7%	0.0	0%	0.0	0%	
2.01-2.50	0.0	0%	6.6	8%	0.0	0%	0.0	0%	
2.51-3.00	0.0	0%	14.4	19%	0.0	0%	0.0	0%	
Total 2020	**173.2**	**100%**	**77.5**	**100%**	**30.6**	**100%**	**32.4**	**100%**	**313.71**
Total 2019	127.3	-	53.0	-	30.6	-	24.7	-	235.7
Total 2018	195.0	-	95.8	-	30.6	-	34.9	-	356.3
Total 2017	117.7	-	72.8	-	30.6	-	21.4	-	242.4
Total 2016	110.5	-	69.4	-	30.6	-	21.4	-	231.9
Total 2015	195.0	-	90.4	-	30.6	-	50.3	-	366.4
Total 2014	195.0	-	89.4	-	30.6	-	54.5	-	369.5
Total 2013	187.8	-	92.1	-	30.6	-	41.6	-	352.1
								Mean	308.5

Appendix 12. The 2020 Mann-Kendall *p*-value and tau results.

Calcite presence			
Reach	**Type**	***p* value**	**tau**
GREE3	Exposed	0.00	0.93
FORD7	Exposed	0.00	0.91
DRYL3	Exposed	0.01	0.89
FORD2	Exposed	0.01	0.89
HENR1	Exposed	0.01	0.89
FPON1	Exposed	0.01	0.84
LEAS2	Exposed	0.01	0.84
SPIT1	Exposed	0.01	0.82
FORD5	Exposed	0.01	0.79
LINE4	Exposed	0.01	0.79
DRYE3	Exposed	0.01	0.81
DRYL1	Exposed	0.01	0.81
MICH4	Exposed	0.01	0.81
DRYL2	Exposed	0.01	0.80
CLOW1	Exposed	0.02	0.81
FORD4	Exposed	0.02	0.81
THOM2	Exposed	0.02	0.81
SLINE2	Reference	0.02	0.82
CHAU1	Reference	0.02	0.72
LMOU1	Exposed	0.02	0.69
FORD8	Exposed	0.03	1.00
ELKR9	Exposed	0.03	0.71
GREE4	Exposed	0.04	0.64
WOLF2	Exposed	0.04	0.71
BODI1	Exposed	0.04	0.64
FORD12	Reference	0.05	0.64
FORD9	Exposed	0.05	0.64
GRAS1	Exposed	0.06	0.59
ERIC4	Exposed	0.06	0.73
MICH5	Reference	0.06	0.62
GARD1	Exposed	0.06	0.57
PORT3a	Exposed	0.06	-0.57
DRYE4	Exposed	0.07	0.75
MILL1	Exposed	0.07	0.75
THOM3	Exposed	0.07	0.75
BODI3	Exposed	0.07	0.62
GODD1	Exposed	0.07	0.57

Calcite presence			
Reach	**Type**	***p* value**	**tau**
BALM1	Exposed	0.08	0.69
DRYE1	Exposed	0.09	0.69
ERIC2	Exposed	0.09	0.69
DRYL4	Exposed	0.09	0.62
GATE2	Exposed	0.09	0.59
LINE2	Exposed	0.10	0.84
MICH3	Exposed	0.10	0.84
SAWM1	Exposed	0.10	0.58
GODD3	Exposed	0.11	0.50
HARM1	Exposed	0.11	0.50
LINE1	Exposed	0.13	0.49
FORD3	Exposed	0.13	0.74
PORT1	Exposed	0.13	0.47
FORD6	Exposed	0.17	0.43
NTHO1	Exposed	0.17	0.43
ANDY1	Reference	0.19	0.47
FELT1	Exposed	0.19	0.47
GRAV3	Reference	0.19	0.50
ELKR8	Exposed	0.20	0.42
SPOU1	Exposed	0.21	0.42
MICK1	Exposed	0.21	0.40
LIND1	Exposed	0.22	-0.44
NWOL1	Exposed	0.23	0.43
WOLF3	Exposed	0.23	0.40
SPRI1	Exposed	0.26	-0.37
FORD10	Exposed	0.27	0.60
FORD11	Exposed	0.27	0.60
LINE3	Exposed	0.27	0.60
WOL1	Exposed	0.27	0.60
HENR3	Exposed	0.29	0.63
GODD2	Exposed	0.31	0.45
COUT1	Exposed	0.32	0.33
ERIC1	Exposed	0.32	0.33
FENN1	Exposed	0.32	0.37
WILN2	Exposed	0.37	0.71
KILM1	Exposed	0.39	0.29
MICH1	Exposed	0.51	0.24
ALEX3	Reference	0.54	0.21
OTTO1	Exposed	0.55	0.24
FORD1	Exposed	0.61	0.19

Calcite presence			
Reach	**Type**	***p* value**	**tau**
AQUE1	Exposed	0.66	0.21
CORB1	Exposed	0.71	-0.14
GRAC1	Reference	0.71	0.14
GREE1	Exposed	0.71	0.14
PORT3b	Exposed	0.71	0.14
SIXM1	Exposed	0.76	0.14
GRAV1	Exposed	0.90	-0.07
HARM3	Exposed	0.90	-0.07
ERIC3	Exposed	1.00	0.09
MICH2	Exposed	1.00	0.00
STR02	Reference	1.00	-0.33
SWOL1	Exposed	1.00	0.00

Calcite concretion			
Reach	**Type**	***p* value**	**tau**
PORT3a	Exposed	0.00	-0.86
FORD2	Exposed	0.01	0.89
GODD3	Exposed	0.01	0.79
ERIC1	Exposed	0.01	0.76
BODI1	Exposed	0.02	0.72
BODI3	Exposed	0.04	0.71
LEAS2	Exposed	0.05	0.62
SPIT1	Exposed	0.05	0.62
GRAS1	Exposed	0.06	0.59
DRYE4	Exposed	0.06	0.73
WOLF2	Exposed	0.07	0.65
MILL1	Exposed	0.07	0.75
THOM3	Exposed	0.07	0.75
GATE2	Exposed	0.07	0.62
FORD9	Exposed	0.08	0.56
FORD10	Exposed	0.10	0.84
FORD3	Exposed	0.10	0.84
PORT1	Exposed	0.11	-0.54
MICK1	Exposed	0.13	0.49
ERIC4	Exposed	0.13	0.60
SWOL1	Exposed	0.13	0.52
SPOU1	Exposed	0.13	-0.47
ALEX3	Reference	0.17	-0.43

KILM1	Exposed	0.17	0.43
WOLF3	Exposed	0.17	0.43
HENR1	Exposed	0.19	0.50
FORD7	Exposed	0.21	0.40
NWOL1	Exposed	0.23	0.43
ERIC2	Exposed	0.26	0.47
COUT1	Exposed	0.27	0.36
GREE3	Exposed	0.27	0.36
NTHO1	Exposed	0.27	0.36
FORD4	Exposed	0.29	0.39
LINE2	Exposed	0.29	0.63
FORD8	Exposed	0.31	-0.53
GODD2	Exposed	0.31	0.45
CORB1	Exposed	0.32	0.33
DRYL1	Exposed	0.38	0.36
LINE1	Exposed	0.38	0.36
LMOU1	Exposed	0.38	-0.36
THOM2	Exposed	0.45	0.29
ERIC3	Exposed	0.45	0.33
SITE	Exposed	0.47	-0.55
GRAV1	Exposed	0.51	0.24
OTTO1	Exposed	0.51	0.28
DRYE3	Exposed	0.54	0.21
GREE4	Exposed	0.54	0.21
CHAU1	Reference	0.59	0.21
LIND1	Exposed	0.63	-0.22
SIXM1	Exposed	0.65	0.20
AQUE1	Exposed	0.66	0.21
ELKR8	Exposed	0.66	0.21
ELKR9	Exposed	0.66	0.21
FELT1	Exposed	0.66	0.21
FENN1	Exposed	0.66	0.21
FORD12	Reference	0.66	0.21
FPON1	Exposed	0.66	0.21
MICH1	Exposed	0.66	0.21
FORD5	Exposed	0.67	0.18
LINE4	Exposed	0.67	-0.18
GRAC1	Reference	0.69	-0.16
DRYE1	Exposed	0.71	0.20
LINE3	Exposed	0.72	0.32
WOL1	Exposed	0.72	0.32
CLOW1	Exposed	0.80	0.18

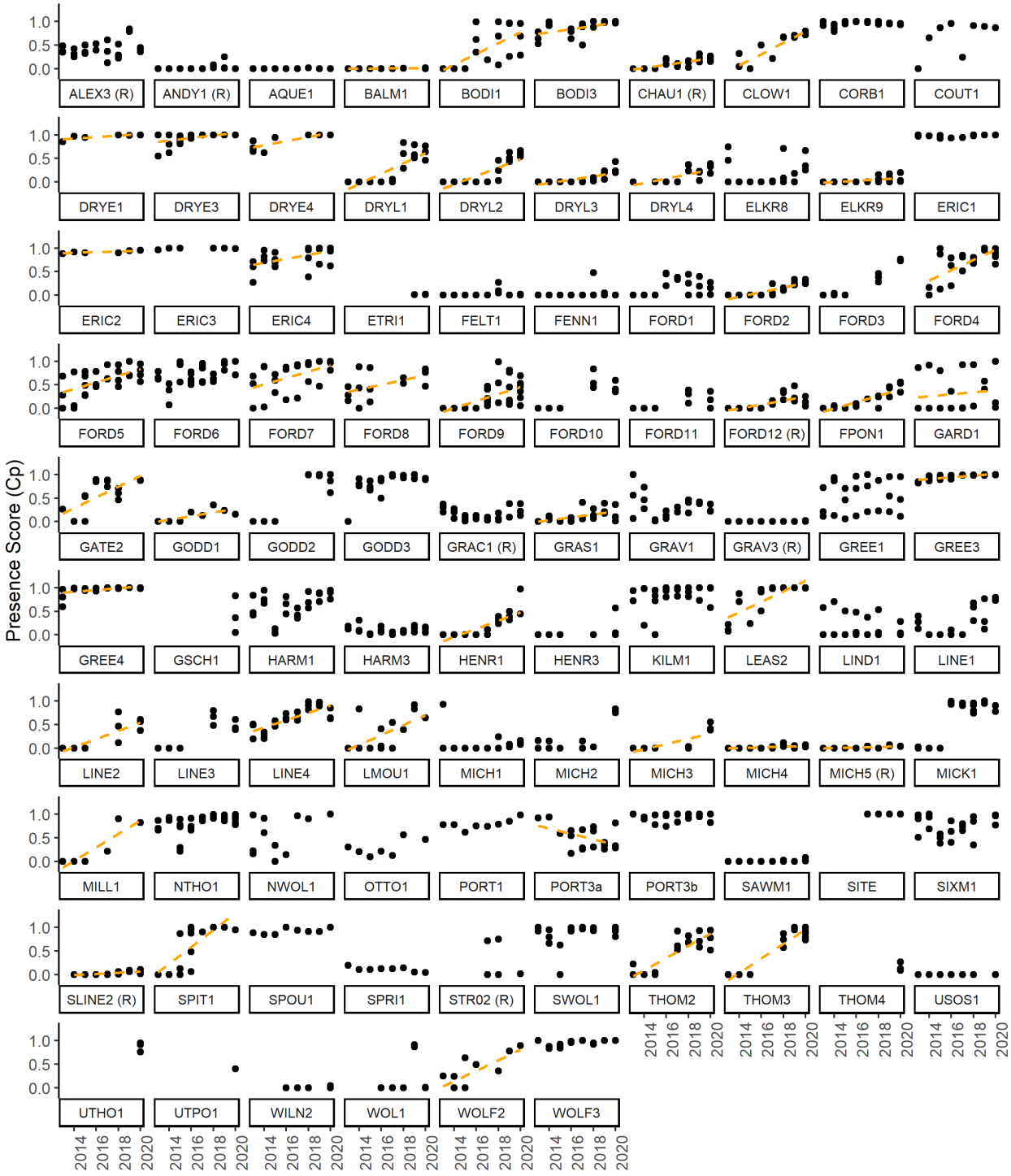
HARM3	Exposed	0.89	-0.08
FORD6	Exposed	0.90	0.07
GARD1	Exposed	0.90	0.07
GREE1	Exposed	0.90	0.07
FORD1	Exposed	1.00	0.07
GODD1	Exposed	1.00	-0.07
HARM1	Exposed	1.00	0.04
MICH2	Exposed	1.00	0.12
PORT3b	Exposed	1.00	-0.04
SPRI1	Exposed	1.00	0.07
STR02	Reference	1.00	-0.33

Calcite index			
Reach	**Type**	***p* value**	**tau**
FORD5	Exposed	0.00	0.86
DRYL3	Exposed	0.01	0.89
FORD2	Exposed	0.01	0.89
HENR1	Exposed	0.01	0.89
FPON1	Exposed	0.01	0.84
ERIC1	Exposed	0.01	0.79
DRYL1	Exposed	0.01	0.81
DRYL2	Exposed	0.01	0.80
CLOW1	Exposed	0.02	0.81
SLINE2	Reference	0.02	0.82
GODD3	Exposed	0.02	0.71
BODI1	Exposed	0.02	0.72
MICH4	Exposed	0.02	0.73
LMOU1	Exposed	0.02	0.69
ELKR9	Exposed	0.03	0.71
FORD7	Exposed	0.04	0.64
LEAS2	Exposed	0.04	0.64
PORT3a	Exposed	0.04	-0.64
BODI3	Exposed	0.04	0.71
FORD4	Exposed	0.04	0.71
WOLF2	Exposed	0.04	0.71
CHAU1	Reference	0.04	0.64
SPIT1	Exposed	0.05	0.62
FORD12	Reference	0.05	0.64
FORD9	Exposed	0.05	0.64
DRYE4	Exposed	0.06	0.73
MICH5	Reference	0.06	0.62

		Calcite index	
Reach	Type	*p* value	tau
LINE4	Exposed	0.06	0.57
MILL1	Exposed	0.07	0.75
THOM3	Exposed	0.07	0.75
GATE2	Exposed	0.07	0.62
GODD1	Exposed	0.07	0.57
GRAS1	Exposed	0.08	0.55
BALM1	Exposed	0.08	0.69
FORD8	Exposed	0.09	0.80
DRYL4	Exposed	0.09	0.62
SWOL1	Exposed	0.09	0.59
LINE2	Exposed	0.10	0.84
MICH3	Exposed	0.10	0.84
SAWM1	Exposed	0.10	0.58
COUT1	Exposed	0.11	0.50
DRYE3	Exposed	0.11	0.50
LINE1	Exposed	0.13	0.49
FORD3	Exposed	0.13	0.74
ERIC4	Exposed	0.13	0.60
GREE3	Exposed	0.17	0.43
HARM1	Exposed	0.17	0.43
WOLF3	Exposed	0.17	0.43
ANDY1	Reference	0.19	0.47
FELT1	Exposed	0.19	0.47
GRAV3	Reference	0.19	0.50
ELKR8	Exposed	0.20	0.42
SPOU1	Exposed	0.21	-0.40
NWOL1	Exposed	0.23	0.43
ERIC2	Exposed	0.26	0.47
FORD6	Exposed	0.27	0.36
KILM1	Exposed	0.27	0.36
NTHO1	Exposed	0.27	0.36
FORD10	Exposed	0.27	0.60
FORD11	Exposed	0.27	0.60
LINE3	Exposed	0.27	0.60
WOL1	Exposed	0.27	0.60
LIND1	Exposed	0.27	-0.41
HENR3	Exposed	0.29	0.63
GODD2	Exposed	0.31	0.45
SPRI1	Exposed	0.32	-0.33
FENN1	Exposed	0.32	0.37

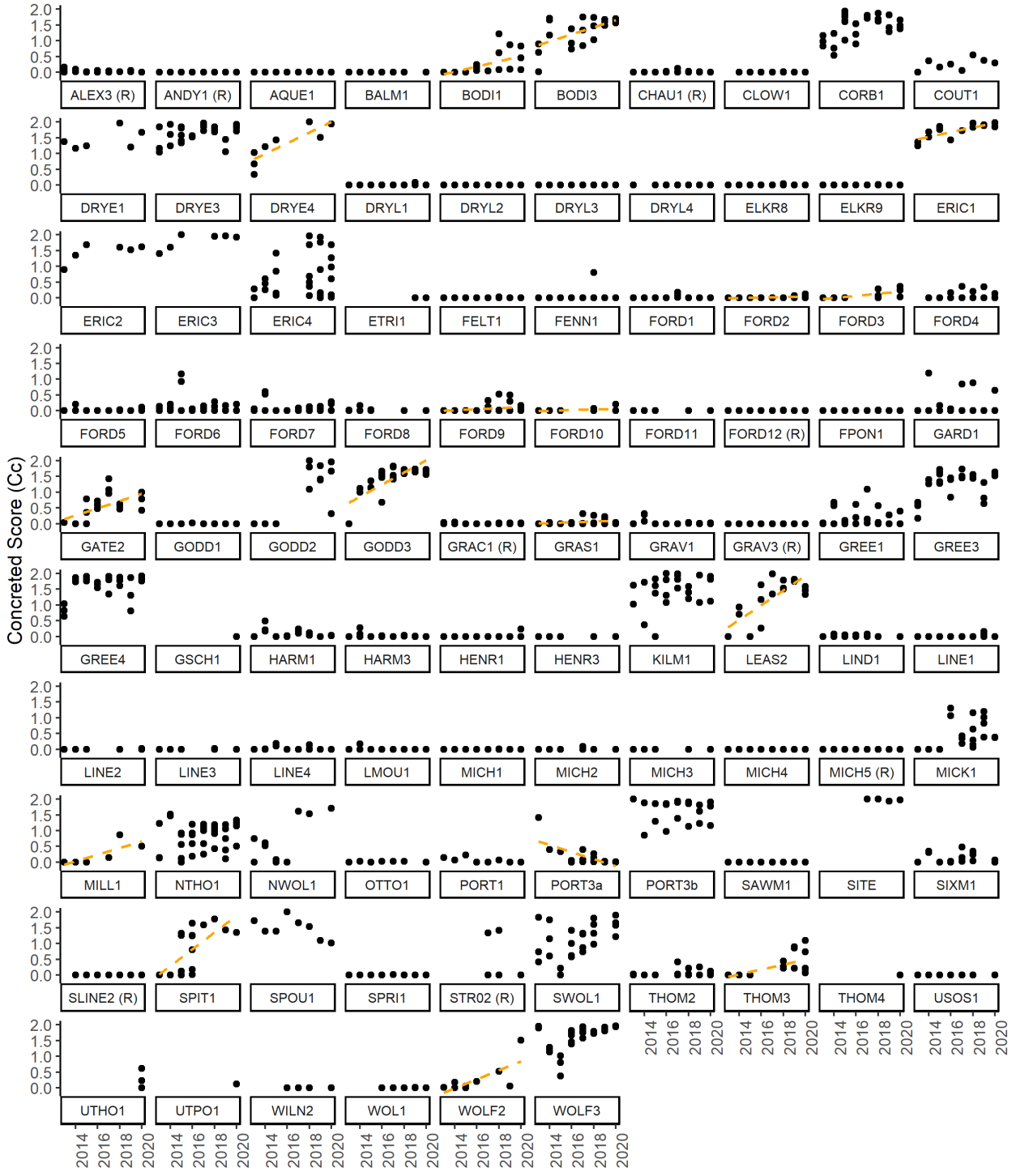
Calcite index			
Reach	**Type**	***p* value**	**tau**
THOM2	Exposed	0.37	0.33
WILN2	Exposed	0.37	0.71
CORB1	Exposed	0.39	0.29
FORD1	Exposed	0.44	0.26
ERIC3	Exposed	0.45	0.33
MICK1	Exposed	0.45	0.25
SITE	Exposed	0.47	-0.55
MICH1	Exposed	0.51	0.24
GREE4	Exposed	0.54	0.21
OTTO1	Exposed	0.55	0.24
DRYE1	Exposed	0.57	0.28
GARD1	Exposed	0.62	0.18
AQUE1	Exposed	0.66	0.21
MICH2	Exposed	0.71	0.20
PORT3b	Exposed	0.71	0.14
SIXM1	Exposed	0.76	0.14
PORT1	Exposed	0.80	0.11
HARM3	Exposed	0.80	-0.11
GRAC1	Reference	0.90	0.07
GREE1	Exposed	0.90	0.07
ALEX3	Reference	1.00	-0.04
GRAV1	Exposed	1.00	0.00
STR02	Reference	1.00	-0.33

Appendix 13. Plots of the calcite presence, concretion and index by year for reaches in 2020 with trends evaluated by Mann-Kendall analysis.



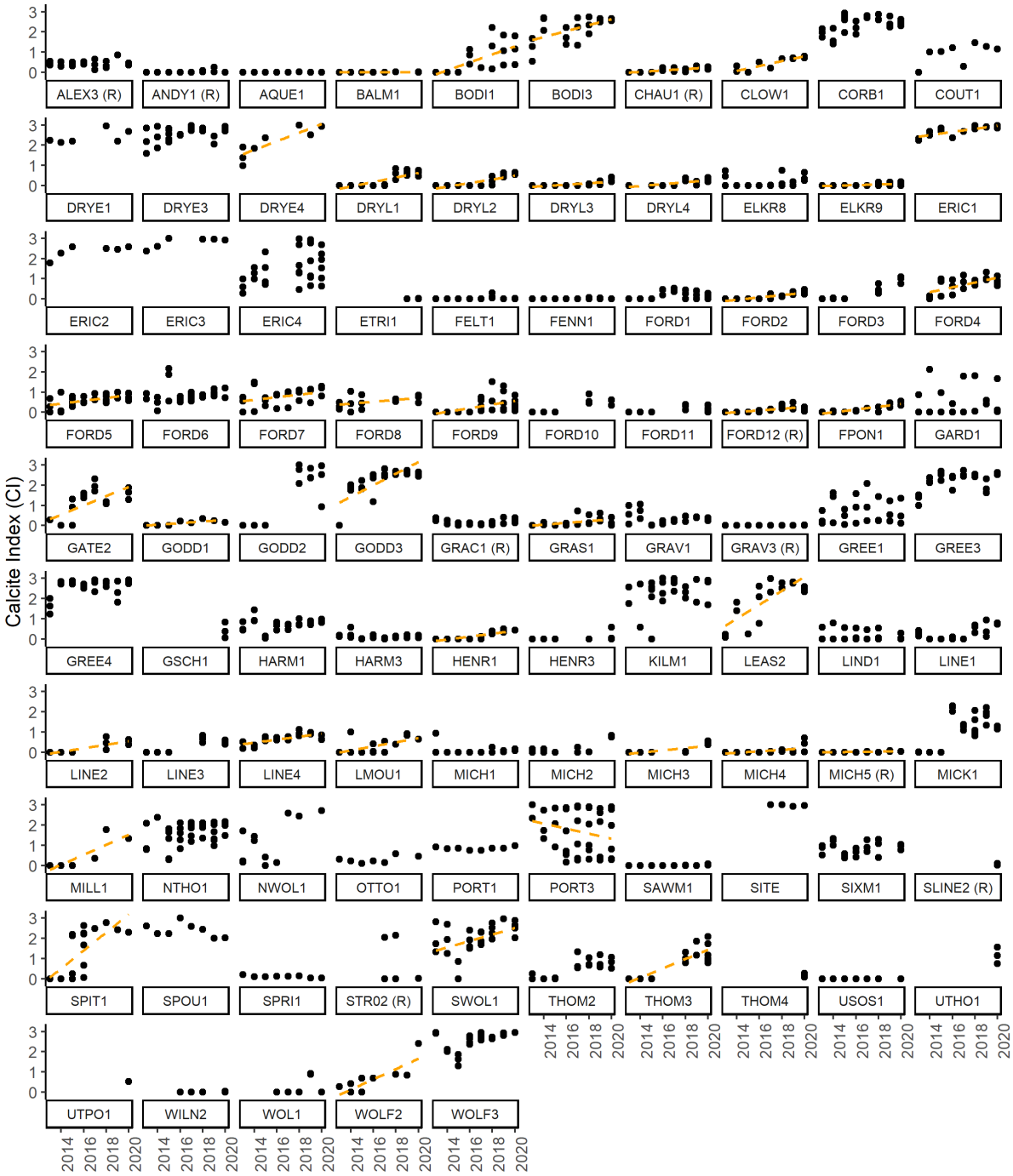
Trends were evaluated using Mann-Kendall non-parametric test.

Orange lines are trends significant at $p < 0.10$



Trends were evaluated using Mann-Kendall non-parametric test.

Orange lines are trends significant at $p < 0.10$



Trends were evaluated using Mann-Kendall non-parametric test.

Orange lines are trends significant at $p < 0.10$

Appendix 14. Mean calcite index of reaches broken up by management unit from 2013-2020.

Reach	Mean Calcite Index - Management Unit 1							
	2013	2014	2015	2016	2017	2018	2019	2020
CATA1	3.00	3.00	3.00	3.00	3.00	2.96	-	-
CATA2	1.89	0.64	-	-	-	-	-	-
CATA3	3.00	2.64	2.56	-	-	2.89	-	-
CHAU1	0.00	0.00	0.00	0.17	0.12	0.12	0.23	0.21
CLOW1	-	0.18	0.00	0.50	0.21	0.67	0.69	0.76
COUT1	0.00	1.01	1.03	1.21	0.29	1.46	1.28	1.16
DRYL1	0.00	0.00	0.00	0.00	0.02	0.32	0.65	0.62
DRYL2	0.00	0.00	0.00	0.00	0.00	0.21	0.52	0.60
DRYL3	0.00	0.00	0.00	0.00	0.00	0.03	0.16	0.29
DRYL4	0.00	-	0.00	0.00	0.00	0.00	0.15	0.30
DRYL5	0.00	-	-	-	-	-	-	-
DRYL6	0.00	-	-	-	-	-	-	-
EPOU1	-	1.31	0.58	0.20	0.25	0.00	-	-
ETRI1	1.90	-	-	-	-	-	0.01	0.02
FORD4	-	0.05	0.66	0.60	0.84	0.89	1.09	0.88
FORD5	0.32	0.35	0.53	0.58	0.73	0.61	0.80	0.79
FORD6	0.74	0.43	1.53	0.64	0.68	0.73	0.98	0.96
FORD7	0.43	0.97	0.55	0.63	-	0.64	0.90	1.09
FORD8	0.31	0.49	0.48	-	-	1.14	-	0.69
FORD9	0.00	0.00	0.00	0.00	0.32	0.35	0.54	0.44
FORD10	0.00	0.00	0.00	-	-	0.13	-	0.52
FORD11	0.00	0.00	0.00	-	-	0.49	-	0.18
FORD12	0.00	0.00	0.00	0.03	0.11	0.80	0.28	0.15
FPON1	0.00	0.03	0.00	0.08	0.20	0.27	0.38	0.48
GARD1	0.29	0.70	0.32	0.14	0.60	2.62	0.50	0.60
GRAS1	0.00	0.09	0.00	0.04	0.29	0.00	0.38	0.17
GREE1	0.35	1.06	0.45	0.86	1.07	0.80	0.66	0.64
GREE2	0.60	0.00	-	-	-	-	-	-
GREE3	1.30	2.22	2.46	2.18	-	0.08	1.91	2.58
GREE4	1.62	2.78	2.80	2.61	2.68	0.35	2.32	2.84
GSCH1	-	-	-	-	-	-	-	0.41
HENR1	0.00	0.00	0.00	0.00	0.04	0.39	0.40	0.44
HENR2	0.00	0.00	0.00	-	-	-	-	-
HENR3	0.00	0.00	0.00	-	-	2.60	-	0.20
KILM1	2.16	1.64	1.97	2.59	2.77	0.19	2.56	2.47
LMOU1	0.00	0.33	0.00	0.15	0.18	0.52	0.88	0.64
LMOU2	0.00	0.09	-	-	-	-	-	-
LMOU3	0.00	0.00	0.00	-	-	-	-	-
LMOU4	0.00	0.00	0.00	-	-	-	-	-
PORT1	0.92	0.84	0.85	0.75	0.74	0.00	0.85	0.98
PORT2	0.11	0.10	-	-	-	-	-	-
PORT3	2.78	1.94	1.94	1.46	1.62	3.00	1.44	1.52
SPOU1	2.61	2.24	2.24	3.00	2.60	2.38	2.00	2.02
SPSE1	0.00	1.50	0.10	0.00	-	-	-	-
SWIF1	2.58	2.18	2.39	2.43	2.45	1.04	-	-
SWIF2	0.00	1.04	0.82	-	-	0.03	-	-

- Represents no data due to sites being added or removed over time.

Statistical increasing change over all prior years	p<0.10	p<0.05
Statistical decreasing change over all prior years	p<0.10	p<0.05

Reach	Mean Calcite index - Management Unit 2							
	2013	2014	2015	2016	2017	2018	2019	2020
CPOS1	0.92	0.84	-	-	-	2.76	-	-
CPOU1	0.93	0.94	-	-	-	2.96	-	-
FORD1	0.00	0.00	0.00	0.37	0.44	0.31	0.20	0.14
FORD2	0.00	0.00	0.00	0.00	0.10	0.12	0.30	0.34
FORD3	0.00	0.01	0.00	-	-	0.79	-	0.96
GRAC1	0.31	0.20	0.05	0.09	0.06	0.25	0.19	0.25
GRAC2	0.15	0.10	0.10	-	-	0.37	-	-
GRAC3	-	0.00	0.00	-	-	0.14	-	-
LINE1	0.27	0.00	0.00	0.03	0.00	0.95	0.46	0.76
LINE2	0.00	0.00	0.00	-	-	0.01	-	0.52
LINE3	0.00	0.00	0.00	-	-	0.08	-	0.48
LINE4	0.40	0.27	0.68	0.65	0.66	0.94	0.93	0.70
LINE7	0.00	0.00	0.00	0.00	0.00	0.01	-	-
SLINE2	0.00	0.00	0.00	0.00	0.00	0.14	0.08	0.05

Reach	Mean Calcite index - Management Unit 3							
	2013	2014	2015	2016	2017	2018	2019	2020
ELKR11	0.00	0.00	0.00	-	-	0.28	-	-
ELKR12	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.06
ELKR15	0.00	0.00	0.00	0.00	0.00	2.89	0.02	0.00
LEAS1	0.03	0.17	-	-	-	-	-	-
LEAS2	0.13	1.60	0.24	1.82	2.76	0.45	2.79	2.46
MICK1	0.01	0.00	0.00	2.18	1.25	1.18	1.84	1.22
MICK2	0.05	0.00	0.03	-	-	1.91	-	-
NTHO1	1.24	2.39	1.18	1.54	1.78	0.05	1.56	2.00
NWOL1	0.70	1.33	0.21	0.14	2.59	0.00	-	2.71
SWOL1	1.97	1.97	0.28	1.86	2.05	0.40	2.96	2.52
THOM1	0.00	0.00	0.00	0.22	-	-	-	-
THOM2	0.08	0.00	0.01	-	0.83	0.00	0.82	0.80
THOM3	0.00	0.00	0.00	-	-	0.00	1.63	1.29
THOM4	-	-	-	-	-	-	-	0.16
UTHO1	-	-	-	-	-	-	-	1.15
UTPO1	-	-	-	-	-	-	-	0.52
WILN2	0.00	-	-	0.00	0.00	0.00	-	0.02
WILS1	-	-	-	0.00	0.00	0.00	-	-
WOL1	-	-	-	0.00	0.00	0.00	0.90	0.01
WOLF2	0.27	0.14	0.23	0.69	-	0.88	0.84	2.41
WOLF3	2.93	2.07	1.60	2.61	2.80	2.69	2.86	2.95

Mean Calcite index - Management Unit 4								
Reach	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
ALEX3	0.48	0.38	0.40	0.46	0.38	0.36	0.86	0.41
ANDY1	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.00
AQUE1	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
AQUE2	0.00	0.00	0.00	-	-	0.00	-	-
AQUE3	0.00	0.00	0.00	-	-	0.14	-	-
BALM1	0.00	0.00	0.00	0.00	0.00	0.01	-	0.01
BODI1	0.00	0.00	0.00	0.79	0.08	1.22	1.09	1.10
BODI2	0.06	0.00	-	1.77	-	-	-	-
BODI3	1.16	2.47	-	-	2.09	2.33	2.58	2.62
CARB1	-	0.00	0.00	-	-	-	-	-
CARB2	-	0.00	0.00	-	-	-	-	-
CORB1	1.95	1.71	2.62	2.21	2.74	2.70	2.47	2.45
CORB2	2.72	2.68	2.25	-	-	2.92	2.87	-
CSEE1	0.00	0.00	0.85	1.40	-	-	-	-
DRYE1	2.23	2.13	2.19	-	-	2.96	2.19	2.67
DRYE2	2.23	0.03	-	-	-	-	-	-
DRYE3	2.20	2.40	2.48	2.51	2.85	2.76	2.25	2.82
DRYE4	1.42	1.84	2.37	-	-	3.00	2.51	2.94
ELKR10	0.00	0.00	0.00	-	-	0.03	0.01	0.05
ELKR9	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.08
ERIC1	2.29	2.59	2.77	2.36	2.67	2.89	2.90	2.92
ERIC2	1.78	2.27	2.58	-	-	2.50	2.46	2.57
ERIC3	2.36	2.60	3.00	-	-	2.95	2.96	2.91
ERIC4	0.62	1.28	1.17	-	-	1.73	1.74	1.68
FELT1	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.01
FENN1	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00
GATE1	0.05	0.05	-	-	-	-	-	-
GATE2	0.29	0.00	0.74	1.47	1.98	1.14	-	1.61
GODD1	0.00	0.00	0.00	0.22	0.13	0.35	0.24	0.16
GODD2	0.00	0.00	0.00	-	-	2.62	2.52	2.14
GODD3	0.00	1.90	1.97	2.22	2.64	2.62	2.66	2.55
GRAV1	0.54	0.72	0.02	0.14	0.24	0.37	0.41	0.28
GRAV2	0.23	0.21	0.00	-	-	0.14	-	-
GRAV3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HARM1	0.58	1.08	0.07	0.64	0.61	0.80	0.82	0.90
HARM2	0.17	0.10	-	-	-	-	-	-
HARM3	0.15	0.28	0.01	0.12	0.03	0.08	0.14	0.12
HARM4	0.17	0.70	0.17	-	-	0.35	-	-
HARM5	0.19	0.56	0.22	-	-	0.31	-	-
HDSE1	0.52	-	-	-	-	-	-	-
LCSE1	0.39	-	-	-	-	-	-	-
LIND1	0.19	0.26	0.19	0.19	0.15	0.19	-	0.11
MICH1	0.31	0.00	0.00	0.00	0.00	0.08	0.04	0.12
MICH2	0.05	0.05	0.00	-	0.08	0.02	-	0.79
MICH3	0.00	0.00	0.00	-	-	0.01	-	0.45
MICH4	0.00	0.00	0.00	0.00	0.01	0.06	0.02	0.39
MICH5	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.03

Mean Calcite index - Management Unit 4								
Reach	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
MILL1	0.00	0.00	0.00	-	0.36	1.77	-	1.33
MILL2	0.00	0.00	0.00	1.07	1.06	1.18	-	-
OTTO1	0.30	0.22	0.10	0.23	0.14	0.59	-	0.46
OTTO2	0.03	0.00	0.00	-	-	-	-	-
OTTO3	0.02	0.02	0.00	-	-	0.05	-	-
P12S1	0.00	-	-	-	-	-	-	-
PENG1	0.09	0.02	0.02	0.00	0.00	0.00	0.00	-
QUAL1	0.00	0.00	0.00	0.00	0.00	-	-	-
SAWM1	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05
SAWM2	0.38	0.54	0.62	0.00	0.00	0.00	-	-
SITE	-	-	-	-	3.00	3.00	2.93	2.97
SIXM1	0.80	1.19	0.49	0.65	0.95	0.92	-	0.93
SIXM2	0.00	-	-	-	-	-	-	-
SNOW1	-	0.00	0.00	-	-	-	-	-
SPIT1	0.00	0.00	1.14	1.59	2.49	2.77	2.43	2.30
SPIT2	0.03	0.00	0.00	-	-	-	-	-
SPRI1	0.20	0.11	0.11	0.12	0.13	0.14	0.05	0.04
STR02	-	-	-	-	0.68	0.72	1.88	0.02
STR14	-	-	-	-	0.00	0.40	-	-
THRE1	0.00	0.00	0.00	0.00	0.00	0.03	-	-
USOS1	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
WHEE1	-	0.00	0.00	-	-	-	-	-
WHEE2	-	0.00	0.00	-	-	-	-	-
WHEE3	-	0.00	0.00	-	-	-	-	-

Reach	Mean Calcite Index - Management Unit 5							
	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
ELKR8	0.40	0.00	0.00	0.00	0.01	2.50	0.09	0.42

Appendix 15. 2020 ANOVA results by reach.

		Calcite presence			
Reach	Type	Sum of squares	Degrees of freedom	F statistic	*p* value
MICK1	Exposed	4.92	7	252.49	0.00
GODD3	Exposed	2.35	7	45.58	0.00
THOM3	Exposed	3.99	5	109.85	0.00
WOLF3	Exposed	0.08	7	41.00	0.00
GODD2	Exposed	3.97	5	121.36	0.00
MICH2	Exposed	1.42	5	67.73	0.00
FORD3	Exposed	1.25	4	156.26	0.00
WOL1	Exposed	1.26	4	1858.59	0.00
DRYL2	Exposed	1.37	7	26.07	0.00
DRYL1	Exposed	2.04	7	19.63	0.00
LEAS2	Exposed	1.79	6	26.20	0.00
MICH3	Exposed	0.46	4	61.53	0.00
GREE3	Exposed	0.07	7	12.57	0.00
THOM2	Exposed	2.51	6	20.61	0.00
LINE3	Exposed	1.18	4	38.61	0.00
LINE4	Exposed	1.08	7	15.35	0.00
SWOL1	Exposed	1.47	6	12.97	0.00
MICH5	Reference	0.01	7	13.57	0.00
DRYL4	Exposed	0.39	6	15.61	0.00
HENR1	Exposed	1.23	7	12.57	0.00
FPON1	Exposed	0.67	6	15.16	0.00
GATE2	Exposed	1.85	5	18.83	0.00
FORD2	Exposed	0.27	6	14.20	0.00
LINE1	Exposed	1.77	7	11.44	0.00
FORD10	Exposed	1.03	4	21.67	0.00
DRYL3	Exposed	0.24	7	10.16	0.00
CHAU1	Exposed	0.19	7	9.79	0.00
HARM1	Exposed	1.44	7	9.37	0.00
FORD12	Reference	0.33	7	6.68	0.00
CLOW1	Exposed	0.95	4	27.04	0.00
CORB1	Exposed	0.04	7	5.35	0.00
NTHO1	Exposed	0.52	7	4.33	0.00
SLINE2	Reference	0.02	6	6.25	0.00
LINE2	Exposed	0.84	4	8.36	0.00
FORD4	Exposed	1.61	6	5.20	0.00
FORD6	Exposed	0.72	7	4.06	0.01
GREE4	Exposed	0.11	7	4.11	0.01
FORD1	Exposed	0.50	7	4.42	0.01

MICH4	Exposed	0.01	7	4.15	0.01
FORD9	Exposed	1.27	7	3.52	0.01
FELT1	Exposed	0.05	7	3.99	0.01
BODI1	Exposed	2.23	6	4.36	0.01
BODI3	Exposed	0.32	6	4.04	0.01
GRAC1	Reference	0.19	7	3.40	0.02
ALEX3	Reference	0.37	7	3.43	0.02
SPIT1	Exposed	1.64	3	4.67	0.02
ERIC4	Exposed	0.46	5	3.25	0.02
FORD11	Exposed	0.19	4	4.57	0.02
LMOU1	Exposed	1.18	5	3.31	0.05
HARM3	Exposed	0.07	7	2.45	0.07
GRAV1	Exposed	0.64	7	2.37	0.07
FORD5	Exposed	0.87	7	2.13	0.09
ELKR8	Exposed	0.71	7	2.20	0.09
GRAS1	Exposed	0.19	7	2.15	0.10
ELKR9	Exposed	0.03	7	1.60	0.21
SIXM1	Exposed	0.38	6	1.60	0.22
ANDY1	Reference	0.02	7	1.45	0.25
DRYE3	Exposed	0.12	7	1.33	0.29
SAWM1	Exposed	0.00	4	1.43	0.35
NWOL1	Exposed	0.35	2	1.34	0.36
ETRI1	Exposed	0.00	1	1.00	0.42
ERIC1	Exposed	0.00	5	1.08	0.45
WILN2	Exposed	0.00	3	1.00	0.48
FENN1	Exposed	0.06	6	0.97	0.48
KILM1	Exposed	0.39	7	0.94	0.50
FORD8	Exposed	0.28	4	0.89	0.50
GRAV3	Reference	0.00	7	0.93	0.51
MICH1	Exposed	0.24	7	0.89	0.54
HENR3	Exposed	0.07	2	0.70	0.55
FORD7	Exposed	0.62	7	0.81	0.59
WOLF2	Exposed	0.03	1	0.34	0.59
PORT3a	Exposed	0.08	4	0.40	0.80
PORT3b	Exposed	0.03	7	0.46	0.85
GREE1	Exposed	0.27	7	0.26	0.96
STR02	Reference	0.00	1	0.00	0.98
GARD1	Exposed	0.20	7	0.13	0.99
LIND1	Exposed	0.03	6	0.07	1.00

		Calcite concretion			
Reach	Type	Sum of squares	Degrees of freedom	F statistic	*p* value
WOLF3	Exposed	3.92	7	26.30	0.00
GODD3	Exposed	7.16	7	25.32	0.00
GREE3	Exposed	3.61	7	13.57	0.00
MICK1	Exposed	4.30	7	8.77	0.00
GREE4	Exposed	2.74	7	8.24	0.00
LEAS2	Exposed	7.40	6	11.71	0.00
GRAV1	Exposed	0.13	7	8.85	0.00
GODD2	Exposed	10.19	5	11.62	0.00
HARM1	Exposed	0.23	7	7.20	0.00
LINE4	Exposed	0.05	7	6.22	0.00
GATE2	Exposed	2.19	5	8.29	0.00
CORB1	Exposed	2.58	7	5.50	0.00
ERIC1	Exposed	0.60	5	16.27	0.00
SWOL1	Exposed	4.71	6	4.52	0.01
SIXM1	Exposed	0.32	6	4.63	0.01
BODI3	Exposed	2.86	6	4.44	0.01
FORD6	Exposed	1.11	7	3.57	0.01
FORD12	Reference	0.00	7	3.73	0.02
FORD1	Exposed	0.02	7	3.63	0.02
NTHO1	Exposed	2.50	7	2.49	0.04
THOM3	Exposed	1.20	5	2.97	0.05
FORD7	Exposed	0.33	7	2.68	0.05
LINE1	Exposed	0.01	7	2.47	0.06
DRYE3	Exposed	0.87	7	2.24	0.08
SPIT1	Exposed	2.37	3	2.62	0.10
HARM3	Exposed	0.03	7	1.98	0.12
BODI1	Exposed	1.19	6	2.07	0.12
FORD3	Exposed	0.11	4	2.38	0.13
FORD2	Exposed	0.01	6	1.58	0.23
ALEX3	Reference	0.01	7	1.42	0.27
PORT3a	Exposed	0.07	4	1.50	0.28
NWOL1	Exposed	0.28	2	1.51	0.32
GRAC1	Reference	0.00	7	1.13	0.38
FORD5	Exposed	0.01	7	1.09	0.40
LINE2	Exposed	0.00	4	1.00	0.45
LINE3	Exposed	0.00	4	1.00	0.45
MICH2	Exposed	0.00	5	1.00	0.46
FENN1	Exposed	0.18	6	1.00	0.46
FPON1	Exposed	0.00	6	1.00	0.46

Calcite concretion					
Reach	Type	Sum of squares	Degrees of freedom	F statistic	*p* value
DRYL1	Exposed	0.00	7	1.00	0.47
ELKR9	Exposed	0.00	7	1.00	0.47
FELT1	Exposed	0.00	7	1.00	0.47
HENR1	Exposed	0.02	7	1.00	0.47
MICH1	Exposed	0.00	7	1.00	0.47
GRAS1	Exposed	0.06	7	0.98	0.48
CLOW1	Exposed	0.00	4	1.00	0.49
WOL1	Exposed	0.00	4	1.00	0.49
ELKR8	Exposed	0.00	7	0.93	0.51
FORD10	Exposed	0.01	4	0.87	0.51
FORD8	Exposed	0.01	4	0.84	0.53
ERIC4	Exposed	1.83	5	0.83	0.54
FORD9	Exposed	0.12	7	0.86	0.55
WOLF2	Exposed	0.00	1	0.40	0.56
LMOU1	Exposed	0.01	5	0.81	0.57
KILM1	Exposed	1.43	7	0.81	0.59
GREE1	Exposed	0.53	7	0.80	0.60
CHAU1	Reference	0.00	7	0.80	0.60
THOM2	Exposed	0.05	6	0.67	0.68
LIND1	Exposed	0.00	6	0.53	0.77
FORD4	Exposed	0.04	6	0.49	0.81
GARD1	Exposed	0.49	7	0.47	0.84
PORT3b	Exposed	0.49	7	0.40	0.89
STR02	Reference	0.00	1	0.00	0.97

Calcite index					
Reach	Type	Sum of squares	Degrees of freedom	F statistic	*p* value
WOLF3	Exposed	4.99	7	38.39	0.00
GODD3	Exposed	17.51	7	32.75	0.00
MICK1	Exposed	16.52	7	25.51	0.00
WOL1	Exposed	1.28	4	1228.94	0.00
DRYL2	Exposed	1.37	7	26.07	0.00
MICH2	Exposed	1.40	5	45.66	0.00
DRYL1	Exposed	2.10	7	20.62	0.00
GREE3	Exposed	4.41	7	14.24	0.00
MICH3	Exposed	0.46	4	61.53	0.00
LINE3	Exposed	1.20	4	35.21	0.00
GODD2	Exposed	26.89	5	22.38	0.00
MICH5	Reference	0.01	7	13.57	0.00

		Calcite index			
Reach	Type	Sum of squares	Degrees of freedom	F statistic	*p* value
THOM3	Exposed	9.37	5	15.78	0.00
DRYL4	Exposed	0.39	6	15.61	0.00
LINE4	Exposed	1.13	7	12.14	0.00
FPON1	Exposed	0.67	6	14.71	0.00
LEAS2	Exposed	16.15	6	15.55	0.00
FORD3	Exposed	2.10	4	26.78	0.00
DRYL3	Exposed	0.24	7	10.16	0.00
GREE4	Exposed	3.69	7	8.79	0.00
FORD2	Exposed	0.37	6	11.87	0.00
GATE2	Exposed	7.47	5	13.86	0.00
FORD10	Exposed	1.21	4	18.35	0.00
LINE1	Exposed	1.84	7	8.88	0.00
HARM1	Exposed	1.91	7	8.37	0.00
HENR1	Exposed	1.45	7	7.86	0.00
SWOL1	Exposed	10.39	6	7.34	0.00
THOM2	Exposed	3.19	6	8.70	0.00
CHAU1	Reference	0.19	7	7.03	0.00
FORD12	Reference	0.35	7	6.68	0.00
CORB1	Exposed	3.06	7	5.59	0.00
CLOW1	Exposed	0.95	4	27.19	0.00
SLINE2	Reference	0.02	6	6.25	0.00
ERIC1	Exposed	0.62	5	14.07	0.00
FORD1	Exposed	0.62	7	5.22	0.00
LINE2	Exposed	0.85	4	8.35	0.00
MICH4	Exposed	0.01	7	4.15	0.01
BODI3	Exposed	5.00	6	4.54	0.01
FORD4	Exposed	1.96	6	4.15	0.01
GRAC1	Reference	0.22	7	3.62	0.01
FELT1	Exposed	0.06	7	3.51	0.02
NTHO1	Exposed	4.27	7	2.89	0.02
FORD6	Exposed	2.29	7	3.11	0.02
FORD11	Exposed	0.19	4	4.57	0.02
GRAV1	Exposed	1.03	7	3.08	0.03
ALEX3	Reference	0.40	7	3.07	0.03
BODI1	Exposed	5.98	6	3.12	0.04
SPIT1	Exposed	7.90	3	3.40	0.05
FORD9	Exposed	2.09	7	2.36	0.05
LMOU1	Exposed	1.20	5	2.62	0.09
SIXM1	Exposed	0.95	6	2.26	0.10
ELKR8	Exposed	0.72	7	2.12	0.11

		Calcite index			
Reach	**Type**	**Sum of squares**	**Degrees of freedom**	**F statistic**	***p* value**
HARM3	Exposed	0.14	7	1.84	0.15
DRYE3	Exposed	1.28	7	1.74	0.16
FORD5	Exposed	0.80	7	1.61	0.19
GRAS1	Exposed	0.43	7	1.66	0.19
ELKR9	Exposed	0.03	7	1.58	0.21
ANDY1	Reference	0.02	7	1.45	0.25
ERIC4	Exposed	3.92	5	1.32	0.29
NWOL1	Exposed	1.25	2	1.50	0.33
SAWM1	Exposed	0.00	4	1.43	0.35
ETRI1	Exposed	0.00	1	1.00	0.42
FENN1	Exposed	0.46	6	0.99	0.47
WILN2	Exposed	0.00	3	1.00	0.48
GRAV3	Reference	0.00	7	0.93	0.51
MICH1	Exposed	0.24	7	0.89	0.54
HENR3	Exposed	0.07	2	0.70	0.55
FORD7	Exposed	1.09	7	0.85	0.57
KILM1	Exposed	3.15	7	0.82	0.58
FORD8	Exposed	0.25	4	0.67	0.63
PORT3a	Exposed	0.20	4	0.52	0.72
WOLF2	Exposed	0.01	1	0.12	0.75
GREE1	Exposed	1.45	7	0.48	0.84
PORT3b	Exposed	0.65	7	0.37	0.90
STR02	Reference	0.00	1	0.00	0.97
GARD1	Exposed	0.84	7	0.18	0.99
LIND1	Exposed	0.04	6	0.07	1.00

Appendix 16. Habitat unit data from 2013-2015, and 2019-2020.

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Reference	Alexander	ALEX3	ALEX3-25	R	0.07	0.48	0.55
2013	Reference	Alexander	ALEX3	ALEX3-50	R	0.00	0.35	0.35
2013	Reference	Alexander	ALEX3	ALEX3-75	C	0.18	0.44	0.62
2013	Reference	Alexander	ALEX3	ALEX3-75	R	0.15	0.33	0.48
2013	Exposed	Bodie	BODI2	BODI2-0	P	0.00	0.06	0.06
2013	Exposed	Bodie	BODI3	BODI3-25	C	0.01	0.53	0.54
2013	Exposed	Bodie	BODI3	BODI3-50	C	0.89	0.78	1.67
2013	Exposed	Bodie	BODI3	BODI3-75	C	0.68	0.66	1.34
2013	Exposed	Bodie	BODI3	BODI3-75	R	0.52	0.59	1.10
2013	Exposed	Cataract	CATA1	CATA1-0	C	2.00	1.00	3.00
2013	Exposed	Cataract	CATA2	CATA2-25	P	2.00	1.00	3.00
2013	Exposed	Cataract	CATA2	CATA2-50	C	2.00	1.00	3.00
2013	Exposed	Cataract	CATA2	CATA2-50	P	0.06	1.00	1.06
2013	Exposed	Cataract	CATA2	CATA2-75	C	2.00	1.00	3.00
2013	Exposed	Cataract	CATA2	CATA2-75	G	0.04	1.00	1.04
2013	Exposed	Cataract	CATA3	CATA3-0	C	2.00	1.00	3.00
2013	Exposed	Cataract	CATA3	CATA3-0	G	2.00	1.00	3.00
2013	Exposed	Cataract	CATA3	CATA3-0	R	2.00	1.00	3.00
2013	Exposed	Cataract	CATA3	CATA3-50	C	2.00	1.00	3.00
2013	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	R	0.00	0.93	0.93
2013	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	G	0.00	0.93	0.93
2013	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	R	0.00	0.90	0.90
2013	Exposed	Corbin	CORB1	CORB1-25	C	0.94	0.84	1.78
2013	Exposed	Corbin	CORB1	CORB1-25	G	0.67	0.85	1.52
2013	Exposed	Corbin	CORB1	CORB1-25	R	0.85	1.00	1.85
2013	Exposed	Corbin	CORB1	CORB1-50	C	1.64	1.00	2.64
2013	Exposed	Corbin	CORB1	CORB1-50	P	0.71	1.00	1.71
2013	Exposed	Corbin	CORB1	CORB1-50	R	0.93	1.00	1.93
2013	Exposed	Corbin	CORB1	CORB1-75	C	1.14	1.00	2.14
2013	Exposed	Corbin	CORB1	CORB1-75	R	0.96	0.99	1.95
2013	Exposed	Corbin	CORB2	CORB2-25	C	2.00	1.00	3.00
2013	Exposed	Corbin	CORB2	CORB2-25	R	1.53	0.93	2.46
2013	Exposed	Corbin	CORB2	CORB2-50	G	1.14	1.00	2.14
2013	Exposed	Corbin	CORB2	CORB2-50	P	1.13	1.00	2.13

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	Corbin	CORB2	CORB2-50	R	1.95	1.00	2.95
2013	Exposed	Corbin	CORB2	CORB2-75	R	1.80	1.00	2.80
2013	Exposed	Dry - EVO	DRYE1	DRYE1-0	C	1.38	0.85	2.23
2013	Exposed	Dry - EVO	DRYE2	DRYE2-0	C	1.38	0.85	2.23
2013	Exposed	Dry - EVO	DRYE3	DRYE3-25	G	1.17	1.00	2.17
2013	Exposed	Dry - EVO	DRYE3	DRYE3-50	G	1.85	1.00	2.85
2013	Exposed	Dry - EVO	DRYE3	DRYE3-75	G	1.04	0.55	1.59
2013	Exposed	Dry - EVO	DRYE4	DRYE4-25	P	0.37	0.67	1.03
2013	Exposed	Dry - EVO	DRYE4	DRYE4-25	R	1.31	0.96	2.27
2013	Exposed	Dry - EVO	DRYE4	DRYE4-50	C	0.80	0.71	1.51
2013	Exposed	Dry - EVO	DRYE4	DRYE4-50	P	0.43	0.74	1.17
2013	Exposed	Dry - EVO	DRYE4	DRYE4-75	C	0.70	0.89	1.60
2013	Exposed	Dry - EVO	DRYE4	DRYE4-75	P	0.00	0.43	0.43
2013	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	R	0.90	1.00	1.90
2013	Exposed	Elk	ELKR8	ELKR8-50	G	0.00	0.88	0.88
2013	Exposed	Elk	ELKR8	ELKR8-50	R	0.00	0.69	0.69
2013	Exposed	Elk	ELKR8	ELKR8-75	G	0.00	0.46	0.46
2013	Exposed	Erickson	ERIC1	ERIC1-0	C	1.21	0.96	2.16
2013	Exposed	Erickson	ERIC1	ERIC1-0	G	1.82	1.00	2.82
2013	Exposed	Erickson	ERIC1	ERIC1-0	R	1.75	1.00	2.75
2013	Exposed	Erickson	ERIC1	ERIC1-50	C	1.10	1.00	2.10
2013	Exposed	Erickson	ERIC1	ERIC1-50	G	1.42	1.00	2.42
2013	Exposed	Erickson	ERIC1	ERIC1-50	R	1.17	1.00	2.17
2013	Exposed	Erickson	ERIC2	ERIC2-0	C	1.02	0.92	1.94
2013	Exposed	Erickson	ERIC2	ERIC2-0	G	0.00	1.00	1.00
2013	Exposed	Erickson	ERIC2	ERIC2-0	R	0.75	0.81	1.56
2013	Exposed	Erickson	ERIC3	ERIC3-0	C	1.40	0.96	2.36
2013	Exposed	Erickson	ERIC4	ERIC4-25	R	0.28	0.71	0.99
2013	Exposed	Erickson	ERIC4	ERIC4-50	R	0.00	0.60	0.60
2013	Exposed	Erickson	ERIC4	ERIC4-75	G	0.00	0.12	0.12
2013	Exposed	Erickson	ERIC4	ERIC4-75	R	0.00	0.30	0.30
2013	Exposed	Fording River	FORD5	FORD5-50	R	0.00	0.28	0.28
2013	Exposed	Fording River	FORD5	FORD5-75	G	0.00	0.68	0.68
2013	Exposed	Fording River	FORD6	FORD6-25	G	0.00	0.73	0.73

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	Fording River	FORD6	FORD6-25	R	0.54	0.92	1.46
2013	Exposed	Fording River	FORD6	FORD6-50	G	0.04	0.39	0.43
2013	Exposed	Fording River	FORD6	FORD6-50	R	0.03	0.71	0.74
2013	Exposed	Fording River	FORD6	FORD6-75	G	0.01	0.61	0.62
2013	Exposed	Fording River	FORD6	FORD6-75	R	0.00	1.00	1.00
2013	Exposed	Fording River	FORD7	FORD7-25	R	0.06	0.68	0.74
2013	Exposed	Fording River	FORD7	FORD7-75	G	0.02	0.59	0.61
2013	Exposed	Fording River	FORD7	FORD7-75	R	0.06	0.38	0.44
2013	Exposed	Fording River	FORD8	FORD8-25	G	0.00	0.17	0.17
2013	Exposed	Fording River	FORD8	FORD8-25	R	0.00	0.12	0.12
2013	Exposed	Fording River	FORD8	FORD8-50	G	0.00	0.27	0.27
2013	Exposed	Fording River	FORD8	FORD8-50	P	0.00	0.10	0.10
2013	Exposed	Fording River	FORD8	FORD8-50	R	0.00	0.31	0.31
2013	Exposed	Fording River	FORD8	FORD8-75	G	0.06	0.55	0.61
2013	Exposed	Fording River	FORD8	FORD8-75	R	0.00	0.42	0.42
2013	Exposed	Gardine	GARD1	GARD1-25	C	0.00	0.87	0.87
2013	Exposed	Gardine	GARD1	GARD1-25	R	0.00	0.83	0.83
2013	Exposed	Gate	GATE1	GATE1-0	P	0.00	0.05	0.05
2013	Exposed	Gate	GATE2	GATE2-25	C	0.03	0.26	0.29
2013	Reference	Grace	GRAC1	GRAC1-25	G	0.00	0.67	0.67
2013	Reference	Grace	GRAC1	GRAC1-25	P	0.00	0.22	0.22
2013	Reference	Grace	GRAC1	GRAC1-25	R	0.03	0.38	0.41
2013	Reference	Grace	GRAC1	GRAC1-50	C	0.00	0.13	0.13
2013	Reference	Grace	GRAC1	GRAC1-50	G	0.20	0.20	0.40
2013	Reference	Grace	GRAC1	GRAC1-50	P	0.00	0.25	0.25
2013	Reference	Grace	GRAC1	GRAC1-50	R	0.03	0.22	0.25
2013	Reference	Grace	GRAC1	GRAC1-75	G	0.00	0.03	0.03
2013	Reference	Grace	GRAC1	GRAC1-75	P	0.00	0.50	0.50
2013	Reference	Grace	GRAC1	GRAC1-75	R	0.00	0.47	0.47
2013	Reference	Grace	GRAC2	GRAC2-25	C	0.01	0.30	0.31
2013	Reference	Grace	GRAC2	GRAC2-25	P	0.11	0.33	0.44
2013	Reference	Grace	GRAC2	GRAC2-25	R	0.00	0.67	0.67
2013	Reference	Grace	GRAC2	GRAC2-50	C	0.00	0.08	0.08
2013	Reference	Grace	GRAC2	GRAC2-50	P	0.00	0.09	0.09

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Reference	Grace	GRAC2	GRAC2-50	R	0.00	0.35	0.35
2013	Exposed	Grave	GRAV1	GRAV1-25	C	0.00	0.43	0.43
2013	Exposed	Grave	GRAV1	GRAV1-25	P	0.00	0.61	0.61
2013	Exposed	Grave	GRAV1	GRAV1-25	R	0.00	0.59	0.59
2013	Exposed	Grave	GRAV1	GRAV1-50	R	0.00	0.07	0.07
2013	Exposed	Grave	GRAV1	GRAV1-75	C	0.00	1.00	1.00
2013	Exposed	Grave	GRAV2	GRAV2-25	R	0.00	0.34	0.34
2013	Exposed	Grave	GRAV2	GRAV2-50	C	0.00	0.11	0.11
2013	Exposed	Grave	GRAV2	GRAV2-50	R	0.00	0.21	0.21
2013	Exposed	Grave	GRAV2	GRAV2-75	C	0.00	0.24	0.24
2013	Exposed	Grave	GRAV2	GRAV2-75	G	0.00	0.00	0.00
2013	Exposed	Grave	GRAV2	GRAV2-75	R	0.00	0.16	0.16
2013	Exposed	Greenhills	GREE1	GREE1-25	G	0.00	0.11	0.11
2013	Exposed	Greenhills	GREE1	GREE1-50	R	0.00	0.21	0.21
2013	Exposed	Greenhills	GREE1	GREE1-75	C	0.00	0.50	0.50
2013	Exposed	Greenhills	GREE1	GREE1-75	R	0.02	0.74	0.77
2013	Exposed	Greenhills	GREE2	GREE2-25	C	0.00	0.76	0.76
2013	Exposed	Greenhills	GREE2	GREE2-25	P	0.00	0.46	0.46
2013	Exposed	Greenhills	GREE3	GREE3-25	C	0.00	0.67	0.67
2013	Exposed	Greenhills	GREE3	GREE3-25	R	0.18	0.82	1.00
2013	Exposed	Greenhills	GREE3	GREE3-50	C	0.61	0.82	1.43
2013	Exposed	Greenhills	GREE3	GREE3-50	P	0.33	0.67	1.00
2013	Exposed	Greenhills	GREE3	GREE3-50	R	0.36	0.91	1.27
2013	Exposed	Greenhills	GREE3	GREE3-75	C	0.93	0.89	1.82
2013	Exposed	Greenhills	GREE3	GREE3-75	G	0.38	0.62	1.00
2013	Exposed	Greenhills	GREE3	GREE3-75	R	0.61	0.88	1.49
2013	Exposed	Greenhills	GREE4	GREE4-25	C	1.06	0.96	2.01
2013	Exposed	Greenhills	GREE4	GREE4-25	R	0.91	1.00	1.91
2013	Exposed	Greenhills	GREE4	GREE4-50	C	1.17	0.83	2.00
2013	Exposed	Greenhills	GREE4	GREE4-50	R	0.63	0.78	1.42
2013	Exposed	Greenhills	GREE4	GREE4-75	C	0.77	0.77	1.53
2013	Exposed	Greenhills	GREE4	GREE4-75	R	0.57	0.53	1.10
2013	Exposed	Harmer	HARM1	HARM1-25	C	0.00	0.50	0.50
2013	Exposed	Harmer	HARM1	HARM1-25	G	0.00	0.29	0.29

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	Harmer	HARM1	HARM1-25	R	0.00	0.48	0.48
2013	Exposed	Harmer	HARM1	HARM1-50	C	0.00	0.37	0.37
2013	Exposed	Harmer	HARM1	HARM1-50	G	0.00	0.56	0.56
2013	Exposed	Harmer	HARM1	HARM1-50	R	0.00	0.42	0.42
2013	Exposed	Harmer	HARM1	HARM1-75	C	0.00	0.79	0.79
2013	Exposed	Harmer	HARM1	HARM1-75	R	0.00	0.88	0.88
2013	Exposed	Harmer	HARM2	HARM2-0	P	0.00	0.31	0.31
2013	Exposed	Harmer	HARM2	HARM2-50	P	0.00	0.03	0.03
2013	Exposed	Harmer	HARM3	HARM3-25	C	0.00	0.19	0.19
2013	Exposed	Harmer	HARM3	HARM3-25	R	0.00	0.15	0.15
2013	Exposed	Harmer	HARM3	HARM3-50	C	0.00	0.08	0.08
2013	Exposed	Harmer	HARM3	HARM3-50	R	0.00	0.13	0.13
2013	Exposed	Harmer	HARM3	HARM3-75	C	0.00	0.23	0.23
2013	Exposed	Harmer	HARM3	HARM3-75	G	0.00	0.06	0.06
2013	Exposed	Harmer	HARM3	HARM3-75	P	0.00	0.13	0.13
2013	Exposed	Harmer	HARM3	HARM3-75	R	0.00	0.32	0.32
2013	Exposed	Harmer	HARM4	HARM4-25	C	0.00	0.13	0.13
2013	Exposed	Harmer	HARM4	HARM4-25	G	0.00	0.10	0.10
2013	Exposed	Harmer	HARM4	HARM4-25	P	0.00	0.10	0.10
2013	Exposed	Harmer	HARM4	HARM4-25	R	0.00	0.00	0.00
2013	Exposed	Harmer	HARM4	HARM4-50	C	0.03	0.29	0.32
2013	Exposed	Harmer	HARM4	HARM4-50	G	0.00	0.08	0.08
2013	Exposed	Harmer	HARM4	HARM4-50	R	0.02	0.37	0.39
2013	Exposed	Harmer	HARM4	HARM4-75	G	0.00	0.14	0.14
2013	Exposed	Harmer	HARM4	HARM4-75	P	0.00	0.24	0.24
2013	Exposed	Harmer	HARM4	HARM4-75	R	0.00	0.11	0.11
2013	Exposed	Harmer	HARM5	HARM5-25	C	0.00	0.24	0.24
2013	Exposed	Harmer	HARM5	HARM5-25	G	0.00	0.14	0.14
2013	Exposed	Harmer	HARM5	HARM5-25	R	0.00	0.28	0.28
2013	Exposed	Harmer	HARM5	HARM5-50	C	0.00	0.00	0.00
2013	Exposed	Harmer	HARM5	HARM5-50	G	0.00	0.31	0.31
2013	Exposed	Harmer	HARM5	HARM5-50	P	0.00	0.00	0.00
2013	Exposed	Harmer	HARM5	HARM5-50	R	0.00	0.12	0.12
2013	Exposed	Harmer	HARM5	HARM5-75	C	0.00	0.12	0.12

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	Harmer	HARM5	HARM5-75	G	0.00	0.33	0.33
2013	Exposed	Harmer	HARM5	HARM5-75	R	0.00	0.09	0.09
2013	Exposed	Harmer Dump Seep	HDSE1	HDSE1-0	C	0.03	0.49	0.52
2013	Exposed	Kilmamock	KILM1	KILM1-50	R	1.63	0.94	2.57
2013	Exposed	Kilmamock	KILM1	KILM1-75	C	0.22	0.22	0.44
2013	Exposed	Kilmamock	KILM1	KILM1-75	R	1.10	0.77	1.87
2013	Exposed	Lagoon C Seep	LCSE1	LCSE1-0	P	0.00	0.39	0.39
2013	Exposed	Leask	LEAS1	LEAS1-75	C	0.00	0.18	0.18
2013	Exposed	Leask	LEAS1	LEAS1-75	P	0.00	0.00	0.00
2013	Exposed	Leask	LEAS2	LEAS2-25	C	0.00	0.08	0.08
2013	Exposed	Leask	LEAS2	LEAS2-50	C	0.00	0.10	0.10
2013	Exposed	Leask	LEAS2	LEAS2-75	C	0.00	0.22	0.22
2013	Exposed	Lindsay	LIND1	LIND1-25	C	0.00	0.58	0.58
2013	Exposed	Line	LINE1	LINE1-25	R	0.00	0.13	0.13
2013	Exposed	Line	LINE1	LINE1-50	R	0.00	0.27	0.27
2013	Exposed	Line	LINE1	LINE1-75	G	0.00	0.20	0.20
2013	Exposed	Line	LINE1	LINE1-75	R	0.00	0.49	0.49
2013	Exposed	Line	LINE4	LINE4-25	G	0.00	0.63	0.63
2013	Exposed	Line	LINE4	LINE4-25	R	0.00	0.50	0.50
2013	Exposed	Line	LINE4	LINE4-50	C	0.00	0.18	0.18
2013	Exposed	Line	LINE4	LINE4-50	R	0.00	0.20	0.20
2013	Exposed	Line	LINE4	LINE4-75	C	0.00	0.38	0.38
2013	Exposed	Line	LINE4	LINE4-75	G	0.00	0.59	0.59
2013	Exposed	Line	LINE4	LINE4-75	R	0.00	0.48	0.48
2013	Exposed	Michel	MICH1	MICH1-75	R	0.00	0.93	0.93
2013	Exposed	Michel	MICH2	MICH2-50	R	0.00	0.16	0.16
2013	Exposed	Mickelson	MICK1	MICK1-75	C	0.00	0.00	0.00
2013	Exposed	Mickelson	MICK1	MICK1-75	G	0.00	0.00	0.00
2013	Exposed	Mickelson	MICK1	MICK1-75	P	0.00	0.00	0.00
2013	Exposed	Mickelson	MICK1	MICK1-75	R	0.00	0.07	0.07
2013	Exposed	Mickelson	MICK2	MICK2-25	C	0.00	0.05	0.05
2013	Exposed	Mickelson	MICK2	MICK2-50	C	0.00	0.08	0.08
2013	Exposed	Mickelson	MICK2	MICK2-75	C	0.00	0.02	0.02
2013	Exposed	Mickelson	MICK2	MICK2-75	R	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	North Thompson	NTHO1	NTHO1-25	C	0.14	0.71	0.85
2013	Exposed	North Thompson	NTHO1	NTHO1-25	R	0.00	0.63	0.63
2013	Exposed	North Thompson	NTHO1	NTHO1-50	C	1.22	0.87	2.09
2013	Exposed	North Thompson	NTHO1	NTHO1-75	C	0.18	0.70	0.88
2013	Exposed	North Thompson	NTHO1	NTHO1-75	R	0.00	0.54	0.54
2013	Exposed	North Wolfram	NWOL1	NWOL1-25	C	1.19	1.00	2.19
2013	Exposed	North Wolfram	NWOL1	NWOL1-25	R	0.62	0.97	1.59
2013	Exposed	North Wolfram	NWOL1	NWOL1-50	C	0.00	0.16	0.16
2013	Exposed	North Wolfram	NWOL1	NWOL1-75	C	0.00	0.26	0.26
2013	Exposed	North Wolfram	NWOL1	NWOL1-75	R	0.00	0.21	0.21
2013	Exposed	Otto	OTTO1	OTTO1-0	C	0.00	0.50	0.50
2013	Exposed	Otto	OTTO1	OTTO1-0	G	0.00	0.07	0.07
2013	Exposed	Otto	OTTO1	OTTO1-0	R	0.00	0.50	0.50
2013	Exposed	Otto	OTTO2	OTTO2-25	P	0.00	0.08	0.08
2013	Exposed	Otto	OTTO3	OTTO3-25	P	0.02	0.04	0.06
2013	Exposed	Pengelly	PENG1	PENG1-0	C	0.00	0.10	0.10
2013	Exposed	Pengelly	PENG1	PENG1-50	C	0.00	0.07	0.07
2013	Exposed	Porter	PORT1	PORT1-0	G	0.32	0.60	0.92
2013	Exposed	Porter	PORT1	PORT1-0	R	0.08	0.84	0.92
2013	Exposed	Porter	PORT2	PORT2-0	G	0.06	0.05	0.11
2013	Exposed	Porter	PORT3a	PORT3a-25	C	1.41	0.92	2.33
2013	Exposed	Porter	PORT3b	PORT3b-50	C	2.00	1.00	3.00
2013	Exposed	Porter	PORT3b	PORT3b-75	C	2.00	1.00	3.00
2013	Exposed	Sawmill	SAWM2	SAWM2-50	C	0.00	0.76	0.76
2013	Exposed	Sixmile	SIXM1	SIXM1-25	C	0.00	0.97	0.97
2013	Exposed	Sixmile	SIXM1	SIXM1-25	R	0.00	0.98	0.98
2013	Exposed	Sixmile	SIXM1	SIXM1-50	C	0.00	0.89	0.89
2013	Exposed	Sixmile	SIXM1	SIXM1-50	R	0.00	0.93	0.93
2013	Exposed	Sixmile	SIXM1	SIXM1-75	C	0.00	0.45	0.45
2013	Exposed	Sixmile	SIXM1	SIXM1-75	P	0.00	0.71	0.71
2013	Exposed	Sixmile	SIXM1	SIXM1-75	R	0.00	0.53	0.53
2013	Exposed	Smith Ponds Outlet	SPOU1	SPOU1-0	C	2.00	1.00	3.00
2013	Exposed	Smith Ponds Outlet	SPOU1	SPOU1-0	P	1.32	0.71	2.03
2013	Exposed	Smith Ponds Outlet	SPOU1	SPOU1-0	R	1.96	1.00	2.96

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2013	Exposed	South Pit	SPIT2	SPIT2-75	C	0.03	0.06	0.09
2013	Exposed	South Wolfram	SWOL1	SWOL1-25	G	1.88	1.00	2.88
2013	Exposed	South Wolfram	SWOL1	SWOL1-25	R	1.82	1.00	2.82
2013	Exposed	South Wolfram	SWOL1	SWOL1-50	C	0.42	0.92	1.34
2013	Exposed	South Wolfram	SWOL1	SWOL1-75	R	0.74	1.00	1.74
2013	Exposed	Spring	SPRI1	SPRI1-0	R	0.00	0.20	0.20
2013	Exposed	Swift	SWIF1	SWIF1-0	C	1.75	0.89	2.64
2013	Exposed	Swift	SWIF1	SWIF1-0	G	1.69	0.86	2.55
2013	Exposed	Thompson	THOM2	THOM2-50	C	0.00	0.17	0.17
2013	Exposed	Thompson	THOM2	THOM2-50	P	0.00	0.55	0.55
2013	Exposed	Thompson	THOM2	THOM2-50	R	0.05	0.20	0.24
2013	Exposed	Wolfram	WOLF2	WOLF2-0	G	0.00	0.00	0.00
2013	Exposed	Wolfram	WOLF2	WOLF2-0	R	0.08	1.00	1.08
2013	Exposed	Wolfram	WOLF3	WOLF3-25	R	1.90	1.00	2.90
2013	Exposed	Wolfram	WOLF3	WOLF3-50	R	1.94	1.00	2.94
2013	Exposed	Wolfram	WOLF3	WOLF3-75	C	1.93	1.00	2.93
2013	Exposed	Wolfram	WOLF3	WOLF3-75	P	2.00	1.00	3.00
2013	Exposed	Wolfram	WOLF3	WOLF3-75	R	1.96	1.00	2.96
2014	Reference	Alexander	ALEX3	ALEX3-25	G	0.00	0.00	0.00
2014	Reference	Alexander	ALEX3	ALEX3-25	R	0.11	0.47	0.58
2014	Reference	Alexander	ALEX3	ALEX3-50	R	0.01	0.31	0.32
2014	Reference	Alexander	ALEX3	ALEX3-75	R	0.05	0.25	0.30
2014	Exposed	Bodie	BODI3	BODI3-25	C	1.62	0.99	2.60
2014	Exposed	Bodie	BODI3	BODI3-25	R	1.82	1.00	2.82
2014	Exposed	Bodie	BODI3	BODI3-50	C	1.72	0.98	2.70
2014	Exposed	Bodie	BODI3	BODI3-50	P	0.00	1.00	1.00
2014	Exposed	Bodie	BODI3	BODI3-50	R	2.00	1.00	3.00
2014	Exposed	Bodie	BODI3	BODI3-75	C	2.00	1.00	3.00
2014	Exposed	Bodie	BODI3	BODI3-75	P	1.17	0.67	1.83
2014	Exposed	Bodie	BODI3	BODI3-75	R	0.68	0.88	1.56
2014	Exposed	Cataract	CATA1	CATA1-0	C	2.00	1.00	3.00
2014	Exposed	Cataract	CATA2	CATA2-25	P	0.02	0.16	0.18
2014	Exposed	Cataract	CATA2	CATA2-50	C	2.00	1.00	3.00
2014	Exposed	Cataract	CATA2	CATA2-50	G	2.00	1.00	3.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Cataract	CATA2	CATA2-50	P	0.04	0.10	0.14
2014	Exposed	Cataract	CATA2	CATA2-75	G	0.60	1.00	1.60
2014	Exposed	Cataract	CATA2	CATA2-75	P	0.00	0.00	0.00
2014	Exposed	Cataract	CATA3	CATA3-0	C	2.00	1.00	3.00
2014	Exposed	Cataract	CATA3	CATA3-0	G	1.04	0.52	1.56
2014	Exposed	Cataract	CATA3	CATA3-0	R	2.00	1.00	3.00
2014	Exposed	Cataract	CATA3	CATA3-50	C	2.00	1.00	3.00
2014	Exposed	Clode Pond Outlet	COUT1	COUT1-0	G	0.09	0.36	0.45
2014	Exposed	Clode Pond Outlet	COUT1	COUT1-0	R	0.60	0.91	1.51
2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	G	0.00	0.30	0.30
2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	P	0.00	0.00	0.00
2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	R	0.00	0.37	0.37
2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	G	0.00	0.00	0.00
2014	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	R	0.00	0.11	0.11
2014	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	C	0.00	0.92	0.92
2014	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	G	0.00	0.98	0.98
2014	Exposed	Contingency Pond Outlet	CPOU1	CPOU1-0	R	0.00	0.86	0.86
2014	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	G	0.00	1.00	1.00
2014	Exposed	Contingency Pond Seep	CPOS1	CPOS1-0	R	0.00	0.78	0.78
2014	Exposed	Corbin	CORB1	CORB1-25	C	1.50	0.83	2.33
2014	Exposed	Corbin	CORB1	CORB1-25	G	0.69	0.69	1.38
2014	Exposed	Corbin	CORB1	CORB1-25	P	0.11	0.89	1.00
2014	Exposed	Corbin	CORB1	CORB1-25	R	0.79	0.79	1.58
2014	Exposed	Corbin	CORB1	CORB1-50	C	1.50	1.00	2.50
2014	Exposed	Corbin	CORB1	CORB1-50	G	1.54	1.00	2.54
2014	Exposed	Corbin	CORB1	CORB1-50	R	1.14	0.92	2.06
2014	Exposed	Corbin	CORB1	CORB1-75	G	0.46	0.81	1.26
2014	Exposed	Corbin	CORB1	CORB1-75	R	0.75	1.00	1.75
2014	Exposed	Corbin	CORB2	CORB2-25	G	1.59	1.00	2.59
2014	Exposed	Corbin	CORB2	CORB2-25	P	0.20	1.00	1.20
2014	Exposed	Corbin	CORB2	CORB2-25	R	1.74	1.00	2.74
2014	Exposed	Corbin	CORB2	CORB2-50	G	1.71	1.00	2.71
2014	Exposed	Corbin	CORB2	CORB2-50	P	0.55	1.00	1.55
2014	Exposed	Corbin	CORB2	CORB2-50	R	1.94	1.00	2.94

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Corbin	CORB2	CORB2-75	P	1.90	1.00	2.90
2014	Exposed	Corbin	CORB2	CORB2-75	R	1.88	1.00	2.88
2014	Exposed	Dry (EVO)	DRYE1	DRYE1-0	C	0.71	1.00	1.71
2014	Exposed	Dry (EVO)	DRYE1	DRYE1-0	P	1.23	0.97	2.20
2014	Exposed	Dry (EVO)	DRYE2	DRYE2-0	P	0.00	0.03	0.03
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-25	P	1.60	0.80	2.40
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-50	C	2.00	1.00	3.00
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-50	G	1.10	0.55	1.64
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-75	C	1.78	1.00	2.78
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-75	P	2.00	1.00	3.00
2014	Exposed	Dry (EVO)	DRYE3	DRYE3-75	R	1.99	1.00	2.99
2014	Exposed	Dry (EVO)	DRYE4	DRYE4-25	C	2.00	1.00	3.00
2014	Exposed	Dry (EVO)	DRYE4	DRYE4-25	P	1.11	0.57	1.68
2014	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	G	0.73	0.58	1.31
2014	Exposed	Erickson	ERIC1	ERIC1-0	C	1.89	1.00	2.89
2014	Exposed	Erickson	ERIC1	ERIC1-0	G	2.00	1.00	3.00
2014	Exposed	Erickson	ERIC1	ERIC1-0	R	1.34	0.95	2.29
2014	Exposed	Erickson	ERIC1	ERIC1-50	C	1.49	0.98	2.47
2014	Exposed	Erickson	ERIC1	ERIC1-50	R	2.00	1.00	3.00
2014	Exposed	Erickson	ERIC2	ERIC2-0	C	1.44	0.96	2.40
2014	Exposed	Erickson	ERIC2	ERIC2-0	R	0.14	0.43	0.57
2014	Exposed	Erickson	ERIC3	ERIC3-0	C	2.00	1.00	3.00
2014	Exposed	Erickson	ERIC3	ERIC3-0	P	0.00	1.00	1.00
2014	Exposed	Erickson	ERIC4	ERIC4-25	R	0.61	0.95	1.56
2014	Exposed	Erickson	ERIC4	ERIC4-50	C	0.00	0.83	0.83
2014	Exposed	Erickson	ERIC4	ERIC4-50	G	0.25	0.25	0.50
2014	Exposed	Erickson	ERIC4	ERIC4-50	R	0.52	0.90	1.43
2014	Exposed	Erickson	ERIC4	ERIC4-75	C	0.38	0.79	1.17
2014	Exposed	Erickson	ERIC4	ERIC4-75	G	0.29	0.43	0.71
2014	Exposed	Erickson	ERIC4	ERIC4-75	R	0.21	0.77	0.98
2014	Exposed	Fish Pond	FPON1	FPON1-25	G	0.00	0.04	0.04
2014	Exposed	Fish Pond	FPON1	FPON1-25	R	0.00	0.00	0.00
2014	Exposed	Fish Pond	FPON1	FPON1-50	C	0.00	0.06	0.06
2014	Exposed	Fish Pond	FPON1	FPON1-50	G	0.00	0.03	0.03

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Fish Pond	FPON1	FPON1-50	R	0.00	0.38	0.38
2014	Exposed	Fording	FORD3	FORD3-75	R	0.00	0.04	0.04
2014	Exposed	Fording	FORD4	FORD4-50	G	0.00	0.16	0.16
2014	Exposed	Fording	FORD5	FORD5-50	R	0.21	0.77	0.98
2014	Exposed	Fording	FORD5	FORD5-75	G	0.00	0.06	0.06
2014	Exposed	Fording	FORD6	FORD6-25	G	0.09	0.39	0.48
2014	Exposed	Fording	FORD6	FORD6-50	G	0.00	0.18	0.18
2014	Exposed	Fording	FORD6	FORD6-50	R	0.38	0.79	1.16
2014	Exposed	Fording	FORD6	FORD6-75	G	0.00	0.08	0.08
2014	Exposed	Fording	FORD6	FORD6-75	R	0.00	0.04	0.04
2014	Exposed	Fording	FORD7	FORD7-25	R	0.60	0.89	1.49
2014	Exposed	Fording	FORD7	FORD7-50	G	0.00	0.03	0.03
2014	Exposed	Fording	FORD7	FORD7-75	G	0.70	0.80	1.50
2014	Exposed	Fording	FORD7	FORD7-75	R	0.44	0.91	1.36
2014	Exposed	Fording	FORD8	FORD8-50	G	0.28	0.85	1.13
2014	Exposed	Fording	FORD8	FORD8-50	R	0.06	0.91	0.96
2014	Exposed	Fording	FORD8	FORD8-75	R	0.00	0.43	0.43
2014	Exposed	Gardine	GARD1	GARD1-25	C	1.32	0.94	2.26
2014	Exposed	Gardine	GARD1	GARD1-25	G	0.83	0.92	1.75
2014	Exposed	Gardine	GARD1	GARD1-25	R	1.13	0.75	1.88
2014	Exposed	Gate	GATE1	GATE1-0	P	0.00	0.05	0.05
2014	Exposed	Goddard	GODD3	GODD3-25	C	1.11	0.91	2.02
2014	Exposed	Goddard	GODD3	GODD3-50	C	0.99	0.76	1.75
2014	Exposed	Goddard	GODD3	GODD3-75	C	1.12	0.80	1.92
2014	Reference	Grace	GRAC1	GRAC1-25	G	0.00	0.08	0.08
2014	Reference	Grace	GRAC1	GRAC1-25	R	0.00	0.04	0.04
2014	Reference	Grace	GRAC1	GRAC1-50	C	0.44	0.67	1.11
2014	Reference	Grace	GRAC1	GRAC1-50	G	0.00	0.25	0.25
2014	Reference	Grace	GRAC1	GRAC1-50	R	0.01	0.15	0.16
2014	Reference	Grace	GRAC1	GRAC1-75	R	0.00	0.27	0.27
2014	Reference	Grace	GRAC2	GRAC2-25	C	0.50	0.50	1.00
2014	Reference	Grace	GRAC2	GRAC2-25	R	0.00	0.08	0.08
2014	Reference	Grace	GRAC2	GRAC2-50	C	0.00	0.14	0.14
2014	Reference	Grace	GRAC2	GRAC2-75	C	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Reference	Grace	GRAC2	GRAC2-75	R	0.00	0.06	0.06
2014	Exposed	Grassy	GRAS1	GRAS1-25	G	0.00	0.03	0.03
2014	Exposed	Grassy	GRAS1	GRAS1-25	R	0.44	1.00	1.44
2014	Exposed	Grassy	GRAS1	GRAS1-50	G	0.00	0.04	0.04
2014	Exposed	Grassy	GRAS1	GRAS1-75	G	0.00	0.06	0.06
2014	Exposed	Grave	GRAV1	GRAV1-25	C	0.07	0.27	0.34
2014	Exposed	Grave	GRAV1	GRAV1-25	R	0.09	0.27	0.36
2014	Exposed	Grave	GRAV1	GRAV1-50	C	0.45	0.50	0.95
2014	Exposed	Grave	GRAV1	GRAV1-50	R	0.16	0.43	0.59
2014	Exposed	Grave	GRAV1	GRAV1-75	C	0.40	0.74	1.14
2014	Exposed	Grave	GRAV1	GRAV1-75	G	0.55	0.73	1.27
2014	Exposed	Grave	GRAV1	GRAV1-75	P	0.00	0.92	0.92
2014	Exposed	Grave	GRAV1	GRAV1-75	R	0.00	0.45	0.45
2014	Exposed	Grave	GRAV2	GRAV2-25	C	0.00	0.29	0.29
2014	Exposed	Grave	GRAV2	GRAV2-25	P	0.00	0.00	0.00
2014	Exposed	Grave	GRAV2	GRAV2-25	R	0.00	0.36	0.36
2014	Exposed	Grave	GRAV2	GRAV2-50	C	0.11	0.17	0.28
2014	Exposed	Grave	GRAV2	GRAV2-50	R	0.18	0.12	0.30
2014	Exposed	Greenhills	GREE1	GREE1-25	G	0.00	0.05	0.05
2014	Exposed	Greenhills	GREE1	GREE1-25	R	0.00	1.00	1.00
2014	Exposed	Greenhills	GREE1	GREE1-50	G	0.52	0.85	1.36
2014	Exposed	Greenhills	GREE1	GREE1-50	R	0.60	0.87	1.46
2014	Exposed	Greenhills	GREE1	GREE1-75	C	0.56	1.00	1.56
2014	Exposed	Greenhills	GREE1	GREE1-75	G	0.50	0.94	1.44
2014	Exposed	Greenhills	GREE1	GREE1-75	P	0.00	0.00	0.00
2014	Exposed	Greenhills	GREE1	GREE1-75	R	0.76	0.97	1.73
2014	Exposed	Greenhills	GREE3	GREE3-25	R	1.40	0.97	2.37
2014	Exposed	Greenhills	GREE3	GREE3-50	C	1.35	0.89	2.25
2014	Exposed	Greenhills	GREE3	GREE3-50	G	0.29	0.29	0.57
2014	Exposed	Greenhills	GREE3	GREE3-50	R	1.13	1.00	2.13
2014	Exposed	Greenhills	GREE3	GREE3-75	C	1.25	0.93	2.18
2014	Exposed	Greenhills	GREE3	GREE3-75	G	0.95	0.85	1.80
2014	Exposed	Greenhills	GREE3	GREE3-75	R	1.63	0.95	2.58
2014	Exposed	Greenhills	GREE4	GREE4-25	C	1.78	1.00	2.78

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Greenhills	GREE4	GREE4-25	G	0.80	0.40	1.20
2014	Exposed	Greenhills	GREE4	GREE4-25	R	1.79	1.00	2.79
2014	Exposed	Greenhills	GREE4	GREE4-50	C	1.74	1.00	2.74
2014	Exposed	Greenhills	GREE4	GREE4-50	G	1.70	0.90	2.60
2014	Exposed	Greenhills	GREE4	GREE4-50	R	1.83	1.00	2.83
2014	Exposed	Greenhills	GREE4	GREE4-75	C	2.00	1.00	3.00
2014	Exposed	Greenhills	GREE4	GREE4-75	G	1.91	1.00	2.91
2014	Exposed	Greenhills	GREE4	GREE4-75	R	1.82	0.97	2.79
2014	Exposed	Harmer	HARM1	HARM1-25	C	0.25	0.75	1.00
2014	Exposed	Harmer	HARM1	HARM1-25	R	0.21	0.66	0.87
2014	Exposed	Harmer	HARM1	HARM1-50	C	0.20	0.70	0.89
2014	Exposed	Harmer	HARM1	HARM1-50	R	0.15	0.80	0.94
2014	Exposed	Harmer	HARM1	HARM1-75	C	0.46	0.96	1.43
2014	Exposed	Harmer	HARM1	HARM1-75	R	0.50	0.94	1.44
2014	Exposed	Harmer	HARM2	HARM2-0	P	0.00	0.15	0.15
2014	Exposed	Harmer	HARM2	HARM2-50	P	0.00	0.05	0.05
2014	Exposed	Harmer	HARM3	HARM3-25	C	0.00	0.23	0.23
2014	Exposed	Harmer	HARM3	HARM3-25	R	0.35	0.33	0.68
2014	Exposed	Harmer	HARM3	HARM3-50	C	0.00	0.06	0.06
2014	Exposed	Harmer	HARM3	HARM3-50	R	0.12	0.10	0.22
2014	Exposed	Harmer	HARM3	HARM3-75	C	0.00	0.15	0.15
2014	Exposed	Harmer	HARM3	HARM3-75	P	0.00	0.00	0.00
2014	Exposed	Harmer	HARM3	HARM3-75	R	0.00	0.07	0.07
2014	Exposed	Harmer	HARM4	HARM4-25	C	0.28	0.52	0.80
2014	Exposed	Harmer	HARM4	HARM4-25	R	0.15	0.17	0.31
2014	Exposed	Harmer	HARM4	HARM4-50	C	1.00	0.80	1.80
2014	Exposed	Harmer	HARM4	HARM4-50	G	0.11	0.16	0.26
2014	Exposed	Harmer	HARM4	HARM4-50	R	0.63	0.75	1.37
2014	Exposed	Harmer	HARM4	HARM4-75	G	0.02	0.14	0.16
2014	Exposed	Harmer	HARM4	HARM4-75	P	0.00	0.00	0.00
2014	Exposed	Harmer	HARM4	HARM4-75	R	0.00	0.35	0.35
2014	Exposed	Harmer	HARM5	HARM5-25	C	0.00	0.73	0.73
2014	Exposed	Harmer	HARM5	HARM5-25	G	0.56	0.89	1.44
2014	Exposed	Harmer	HARM5	HARM5-25	R	0.36	0.71	1.08

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Harmer	HARM5	HARM5-50	C	0.06	0.24	0.30
2014	Exposed	Harmer	HARM5	HARM5-50	R	0.10	0.34	0.45
2014	Exposed	Harmer	HARM5	HARM5-75	C	0.05	0.23	0.27
2014	Exposed	Harmer	HARM5	HARM5-75	R	0.06	0.13	0.19
2014	Exposed	Kilmamock	KILM1	KILM1-50	R	1.72	0.98	2.70
2014	Exposed	Kilmamock	KILM1	KILM1-75	R	0.37	0.20	0.57
2014	Exposed	Lake Mountain	LMOU1	LMOU1-75	C	0.00	0.47	0.47
2014	Exposed	Lake Mountain	LMOU1	LMOU1-75	R	0.21	0.91	1.12
2014	Exposed	Lake Mountain	LMOU2	LMOU2-0	P	0.04	0.05	0.09
2014	Exposed	Leask	LEAS1	LEAS1-75	C	0.55	0.73	1.28
2014	Exposed	Leask	LEAS1	LEAS1-75	P	0.00	0.00	0.00
2014	Exposed	Leask	LEAS2	LEAS2-25	C	0.92	0.77	1.69
2014	Exposed	Leask	LEAS2	LEAS2-25	R	0.62	0.68	1.30
2014	Exposed	Leask	LEAS2	LEAS2-50	C	0.93	0.87	1.80
2014	Exposed	Lindsay	LIND1	LIND1-25	C	0.08	0.70	0.78
2014	Exposed	Line	LINE4	LINE4-25	R	0.00	0.34	0.34
2014	Exposed	Line	LINE4	LINE4-50	C	0.00	0.18	0.18
2014	Exposed	Line	LINE4	LINE4-50	G	0.00	0.00	0.00
2014	Exposed	Line	LINE4	LINE4-50	R	0.00	0.24	0.24
2014	Exposed	Line	LINE4	LINE4-75	C	0.00	0.08	0.08
2014	Exposed	Line	LINE4	LINE4-75	G	0.06	0.38	0.44
2014	Exposed	Line	LINE4	LINE4-75	R	0.00	0.28	0.28
2014	Exposed	Michel	MICH2	MICH2-75	R	0.00	0.15	0.15
2014	Exposed	North Thompson	NTHO1	NTHO1-25	C	1.64	0.96	2.61
2014	Exposed	North Thompson	NTHO1	NTHO1-25	G	1.21	0.64	1.86
2014	Exposed	North Thompson	NTHO1	NTHO1-25	P	0.00	0.00	0.00
2014	Exposed	North Thompson	NTHO1	NTHO1-25	R	1.67	0.83	2.50
2014	Exposed	North Thompson	NTHO1	NTHO1-50	C	1.60	0.96	2.56
2014	Exposed	North Thompson	NTHO1	NTHO1-50	G	0.46	0.77	1.23
2014	Exposed	North Thompson	NTHO1	NTHO1-50	R	1.70	0.90	2.60
2014	Exposed	North Wolfram	NWOL1	NWOL1-25	C	0.92	0.80	1.72
2014	Exposed	North Wolfram	NWOL1	NWOL1-25	P	0.25	0.25	0.50
2014	Exposed	North Wolfram	NWOL1	NWOL1-25	R	0.31	0.45	0.76
2014	Exposed	North Wolfram	NWOL1	NWOL1-50	C	0.52	0.91	1.43

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	Otto	OTTO1	OTTO1-0	C	0.08	0.58	0.67
2014	Exposed	Otto	OTTO1	OTTO1-0	G	0.00	0.00	0.00
2014	Exposed	Otto	OTTO1	OTTO1-0	P	0.00	0.00	0.00
2014	Exposed	Otto	OTTO1	OTTO1-0	R	0.02	0.27	0.29
2014	Exposed	Otto	OTTO3	OTTO3-25	G	0.02	0.05	0.07
2014	Exposed	Pengally	PENG1	PENG1-0	C	0.00	0.03	0.03
2014	Exposed	Porter	PORT1	PORT1-0	G	0.00	0.46	0.46
2014	Exposed	Porter	PORT1	PORT1-0	R	0.08	0.89	0.97
2014	Exposed	Porter	PORT2	PORT2-0	P	0.00	0.10	0.10
2014	Exposed	Porter	PORT3a	PORT3a-25	C	0.40	0.94	1.34
2014	Exposed	Porter	PORT3b	PORT3b-50	C	0.85	0.89	1.74
2014	Exposed	Porter	PORT3b	PORT3b-75	C	1.88	0.94	2.82
2014	Exposed	Sawmill	SAWM2	SAWM2-50	C	0.47	0.61	1.08
2014	Exposed	Six Mile	SIXM1	SIXM1-25	C	0.30	1.00	1.30
2014	Exposed	Six Mile	SIXM1	SIXM1-25	G	0.25	1.00	1.25
2014	Exposed	Six Mile	SIXM1	SIXM1-25	P	0.33	1.00	1.33
2014	Exposed	Six Mile	SIXM1	SIXM1-25	R	0.37	1.00	1.37
2014	Exposed	Six Mile	SIXM1	SIXM1-50	C	0.30	0.91	1.21
2014	Exposed	Six Mile	SIXM1	SIXM1-50	G	0.35	0.95	1.30
2014	Exposed	Six Mile	SIXM1	SIXM1-50	R	0.27	0.97	1.24
2014	Exposed	Six Mile	SIXM1	SIXM1-75	C	0.11	1.00	1.11
2014	Exposed	Six Mile	SIXM1	SIXM1-75	G	0.48	1.00	1.48
2014	Exposed	Six Mile	SIXM1	SIXM1-75	P	0.00	1.00	1.00
2014	Exposed	Six Mile	SIXM1	SIXM1-75	POND	0.00	0.00	0.00
2014	Exposed	Six Mile	SIXM1	SIXM1-75	R	0.66	1.00	1.66
2014	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	G	1.39	0.85	2.24
2014	Exposed	South Pond Seep	SPSE1	SPSE1-50	P	1.00	0.50	1.50
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	C	0.29	0.35	0.65
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	G	0.68	0.63	1.32
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	R	0.66	0.75	1.41
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	C	1.41	0.91	2.32
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	G	0.00	0.00	0.00
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	P	0.67	0.33	1.00
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-50	R	1.14	0.82	1.96

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-75	C	1.80	0.98	2.78
2014	Exposed	South Wolfram Creek	SWOL1	SWOL1-75	G	0.80	0.40	1.20
2014	Exposed	Spring	SPRI1	SPRI1-0	G	0.00	0.09	0.09
2014	Exposed	Spring	SPRI1	SPRI1-0	R	0.00	0.33	0.33
2014	Exposed	Swift	SWIF1	SWIF1-0	C	1.31	0.94	2.25
2014	Exposed	Swift	SWIF1	SWIF1-0	P	0.00	0.00	0.00
2014	Exposed	Swift	SWIF2	SWIF2-25	P	0.00	0.10	0.10
2014	Exposed	Swift	SWIF2	SWIF2-50	C	0.33	1.00	1.33
2014	Exposed	Swift	SWIF2	SWIF2-50	P	0.00	0.00	0.00
2014	Exposed	Swift	SWIF2	SWIF2-75	C	1.86	0.99	2.84
2014	Exposed	Swift	SWIF2	SWIF2-75	G	0.50	0.33	0.83
2014	Exposed	Swift	SWIF2	SWIF2-75	R	1.39	0.83	2.22
2014	Exposed	Wolfram	WOLF2	WOLF2-75	G	0.00	0.00	0.00
2014	Exposed	Wolfram	WOLF2	WOLF2-75	P	0.00	0.00	0.00
2014	Exposed	Wolfram	WOLF2	WOLF2-75	R	0.46	0.62	1.08
2014	Exposed	Wolfram	WOLF3	WOLF3-25	C	1.20	0.93	2.13
2014	Exposed	Wolfram	WOLF3	WOLF3-25	G	0.00	0.00	0.00
2014	Exposed	Wolfram	WOLF3	WOLF3-25	P	0.40	0.40	0.80
2014	Exposed	Wolfram	WOLF3	WOLF3-25	R	1.29	0.86	2.14
2014	Exposed	Wolfram	WOLF3	WOLF3-50	C	1.22	0.88	2.10
2014	Exposed	Wolfram	WOLF3	WOLF3-75	C	1.28	0.83	2.11
2015	Reference	Alexander	ALEX3	ALEX3-25	R	0.00	0.50	0.50
2015	Reference	Alexander	ALEX3	ALEX3-50	G	0.00	0.32	0.32
2015	Reference	Alexander	ALEX3	ALEX3-75	C	0.00	0.22	0.22
2015	Reference	Alexander	ALEX3	ALEX3-75	R	0.02	0.36	0.38
2015	Exposed	CCR Seep	CSEE1	CSEE1-0	C	0.36	0.21	0.57
2015	Exposed	CCR Seep	CSEE1	CSEE1-0	R	0.77	0.43	1.20
2015	Exposed	Cataract	CATA1	CATA1-0	C	2.00	1.00	3.00
2015	Exposed	Cataract	CATA3	CATA3-0	G	1.42	1.00	2.42
2015	Exposed	Cataract	CATA3	CATA3-0	R	1.65	1.00	2.65
2015	Exposed	Cataract	CATA3	CATA3-50	C	1.64	0.97	2.61
2015	Exposed	Clode Pond Outlet	COUT1	COUT1-0	G	0.00	0.29	0.29
2015	Exposed	Clode Pond Outlet	COUT1	COUT1-0	R	0.17	0.91	1.09
2015	Exposed	Corbin	CORB1	CORB1-25	G	1.50	1.00	2.50

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Corbin	CORB1	CORB1-25	R	1.67	1.00	2.67
2015	Exposed	Corbin	CORB1	CORB1-37.5	R	1.83	1.00	2.83
2015	Exposed	Corbin	CORB1	CORB1-50	G	1.98	1.00	2.98
2015	Exposed	Corbin	CORB1	CORB1-50	P	1.78	1.00	2.78
2015	Exposed	Corbin	CORB1	CORB1-50	R	1.95	1.00	2.95
2015	Exposed	Corbin	CORB1	CORB1-62.5	R	1.76	1.00	2.76
2015	Exposed	Corbin	CORB1	CORB1-75	R	1.63	1.00	2.63
2015	Exposed	Corbin	CORB1	CORB1-87.5	R	1.01	0.95	1.96
2015	Exposed	Corbin	CORB2	CORB2-12.5	G	0.78	0.97	1.75
2015	Exposed	Corbin	CORB2	CORB2-25	G	2.00	1.00	3.00
2015	Exposed	Corbin	CORB2	CORB2-25	R	1.85	1.00	2.85
2015	Exposed	Corbin	CORB2	CORB2-37.5	R	1.99	1.00	2.99
2015	Exposed	Corbin	CORB2	CORB2-50	P	1.84	1.00	2.84
2015	Exposed	Corbin	CORB2	CORB2-50	R	1.98	1.00	2.98
2015	Exposed	Corbin	CORB2	CORB2-75	P	1.92	1.00	2.92
2015	Exposed	Corbin	CORB2	CORB2-75	R	2.00	1.00	3.00
2015	Exposed	Dry (EVO)	DRYE1	DRYE1-0	P	1.25	0.94	2.19
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-25	P	1.41	0.87	2.28
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-37.5	C	1.50	1.00	2.50
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-37.5	P	1.83	0.96	2.78
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-50	P	1.90	1.00	2.90
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-50	SC	0.00	0.33	0.33
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-62.5	P	1.34	0.81	2.15
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-75	P	1.27	0.92	2.19
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-75	R	1.74	0.96	2.70
2015	Exposed	Dry (EVO)	DRYE3	DRYE3-99	P	1.58	0.98	2.56
2015	Exposed	Dry (EVO)	DRYE4	DRYE4-25	P	1.43	0.94	2.37
2015	Exposed	Eagle Pond Outlet	EPOU1	EPOU1-0	G	0.32	0.26	0.58
2015	Exposed	Erickson	ERIC1	ERIC1-0	C	1.97	0.98	2.95
2015	Exposed	Erickson	ERIC1	ERIC1-0	G	2.00	1.00	3.00
2015	Exposed	Erickson	ERIC1	ERIC1-0	P	2.00	1.00	3.00
2015	Exposed	Erickson	ERIC1	ERIC1-0	R	1.05	0.68	1.73
2015	Exposed	Erickson	ERIC1	ERIC1-50	C	1.86	0.99	2.85
2015	Exposed	Erickson	ERIC2	ERIC2-0	C	1.72	0.92	2.63

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Erickson	ERIC2	ERIC2-0	G	1.90	1.00	2.90
2015	Exposed	Erickson	ERIC2	ERIC2-0	P	0.75	0.50	1.25
2015	Exposed	Erickson	ERIC3	ERIC3-0	C	2.00	1.00	3.00
2015	Exposed	Erickson	ERIC4	ERIC4-12.5	C	1.51	0.96	2.47
2015	Exposed	Erickson	ERIC4	ERIC4-12.5	G	1.10	0.81	1.90
2015	Exposed	Erickson	ERIC4	ERIC4-12.5	R	1.70	0.95	2.65
2015	Exposed	Erickson	ERIC4	ERIC4-25	C	0.76	0.68	1.44
2015	Exposed	Erickson	ERIC4	ERIC4-25	R	0.89	0.73	1.62
2015	Exposed	Erickson	ERIC4	ERIC4-37.5	C	0.20	0.77	0.97
2015	Exposed	Erickson	ERIC4	ERIC4-37.5	G	0.00	0.56	0.56
2015	Exposed	Erickson	ERIC4	ERIC4-37.5	R	0.15	0.69	0.84
2015	Exposed	Erickson	ERIC4	ERIC4-50	C	0.07	0.50	0.57
2015	Exposed	Erickson	ERIC4	ERIC4-50	G	0.00	0.50	0.50
2015	Exposed	Erickson	ERIC4	ERIC4-50	R	0.13	0.67	0.80
2015	Exposed	Erickson	ERIC4	ERIC4-62.5	C	0.06	0.69	0.75
2015	Exposed	Erickson	ERIC4	ERIC4-62.5	G	0.00	0.70	0.70
2015	Exposed	Erickson	ERIC4	ERIC4-62.5	R	0.11	0.79	0.90
2015	Exposed	Erickson	ERIC4	ERIC4-75	C	0.21	0.64	0.86
2015	Exposed	Erickson	ERIC4	ERIC4-75	G	0.00	0.50	0.50
2015	Exposed	Erickson	ERIC4	ERIC4-75	R	0.17	0.62	0.79
2015	Exposed	Fording	FORD4	FORD4-25	G	0.00	0.13	0.13
2015	Exposed	Fording	FORD4	FORD4-25	R	0.00	0.14	0.14
2015	Exposed	Fording	FORD4	FORD4-50	G	0.00	0.99	0.99
2015	Exposed	Fording	FORD4	FORD4-50	R	0.00	1.00	1.00
2015	Exposed	Fording	FORD4	FORD4-75	R	0.00	0.87	0.87
2015	Exposed	Fording	FORD5	FORD5-12.5	G	0.00	0.24	0.24
2015	Exposed	Fording	FORD5	FORD5-12.5	R	0.00	0.37	0.37
2015	Exposed	Fording	FORD5	FORD5-25	G	0.00	0.29	0.29
2015	Exposed	Fording	FORD5	FORD5-25	R	0.00	0.25	0.25
2015	Exposed	Fording	FORD5	FORD5-37.5	R	0.00	0.49	0.49
2015	Exposed	Fording	FORD5	FORD5-50	R	0.00	0.69	0.69
2015	Exposed	Fording	FORD5	FORD5-75	G	0.00	0.68	0.68
2015	Exposed	Fording	FORD5	FORD5-75	R	0.00	0.68	0.68
2015	Exposed	Fording	FORD5	FORD5-87.5	G	0.00	0.80	0.80

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Fording	FORD5	FORD5-87.5	R	0.00	0.77	0.77
2015	Exposed	Fording	FORD6	FORD6-25	G	1.17	0.99	2.16
2015	Exposed	Fording	FORD6	FORD6-50	G	0.93	0.93	1.86
2015	Exposed	Fording	FORD6	FORD6-75	G	0.00	0.49	0.49
2015	Exposed	Fording	FORD6	FORD6-75	R	0.00	0.89	0.89
2015	Exposed	Fording	FORD7	FORD7-25	G	0.00	0.20	0.20
2015	Exposed	Fording	FORD7	FORD7-25	R	0.00	0.75	0.75
2015	Exposed	Fording	FORD7	FORD7-50	G	0.00	0.33	0.33
2015	Exposed	Fording	FORD7	FORD7-75	G	0.01	0.59	0.60
2015	Exposed	Fording	FORD8	FORD8-25	G	0.00	0.14	0.14
2015	Exposed	Fording	FORD8	FORD8-50	G	0.00	0.92	0.92
2015	Exposed	Fording	FORD8	FORD8-50	R	0.00	0.74	0.74
2015	Exposed	Fording	FORD8	FORD8-75	G	0.05	0.41	0.45
2015	Exposed	Fording	FORD8	FORD8-75	R	0.03	0.41	0.44
2015	Exposed	Gardine	GARD1	GARD1-25	G	0.00	0.83	0.83
2015	Exposed	Gardine	GARD1	GARD1-25	R	0.27	0.78	1.05
2015	Exposed	Gate	GATE2	GATE2-50	C	0.78	0.53	1.31
2015	Exposed	Gate	GATE2	GATE2-75	C	0.36	0.55	0.91
2015	Exposed	Goddard	GODD3	GODD3-25	C	1.36	0.86	2.22
2015	Exposed	Goddard	GODD3	GODD3-50	C	1.14	0.74	1.88
2015	Exposed	Goddard	GODD3	GODD3-75	C	1.13	0.67	1.80
2015	Reference	Grace	GRAC1	GRAC1-12.5		0.00	0.04	0.04
2015	Reference	Grace	GRAC1	GRAC1-25	G	0.00	0.08	0.08
2015	Reference	Grace	GRAC1	GRAC1-25	R	0.00	0.03	0.03
2015	Reference	Grace	GRAC1	GRAC1-37.5		0.00	0.08	0.08
2015	Reference	Grace	GRAC1	GRAC1-50	C	0.00	0.00	0.00
2015	Reference	Grace	GRAC1	GRAC1-50	R	0.00	0.02	0.02
2015	Reference	Grace	GRAC1	GRAC1-75	C	0.00	0.12	0.12
2015	Reference	Grace	GRAC1	GRAC1-75	G	0.00	0.14	0.14
2015	Reference	Grace	GRAC1	GRAC1-75	R	0.00	0.14	0.14
2015	Reference	Grace	GRAC1	GRAC1-87.5		0.00	0.01	0.01
2015	Reference	Grace	GRAC2	GRAC2-25	C	0.00	0.10	0.10
2015	Reference	Grace	GRAC2	GRAC2-50	C	0.00	0.14	0.14
2015	Reference	Grace	GRAC2	GRAC2-75	C	0.00	0.05	0.05

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Grave	GRAV1	GRAV1-25	C	0.00	0.03	0.03
2015	Exposed	Grave	GRAV1	GRAV1-25	G	0.00	0.00	0.00
2015	Exposed	Grave	GRAV1	GRAV1-25	P	0.00	0.00	0.00
2015	Exposed	Grave	GRAV1	GRAV1-25	R	0.00	0.00	0.00
2015	Exposed	Grave	GRAV1	GRAV1-50	R	0.00	0.04	0.04
2015	Exposed	Grave	GRAV1	GRAV1-75	C	0.00	0.02	0.02
2015	Exposed	Grave	GRAV1	GRAV1-75	G	0.00	0.00	0.00
2015	Exposed	Grave	GRAV1	GRAV1-75	P	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-25	G	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-25	R	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-50	G	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-50	R	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-75	G	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-75	P	0.00	0.00	0.00
2015	Exposed	Grave	GRAV2	GRAV2-75	R	0.00	0.00	0.00
2015	Exposed	Greenhills	GREE1	GREE1-25	G	0.00	0.07	0.07
2015	Exposed	Greenhills	GREE1	GREE1-25	R	0.00	0.00	0.00
2015	Exposed	Greenhills	GREE1	GREE1-50	C	0.03	0.43	0.46
2015	Exposed	Greenhills	GREE1	GREE1-50	G	0.00	0.63	0.63
2015	Exposed	Greenhills	GREE1	GREE1-50	R	0.00	0.42	0.42
2015	Exposed	Greenhills	GREE1	GREE1-75	C	0.14	0.76	0.90
2015	Exposed	Greenhills	GREE1	GREE1-75	G	0.00	0.55	0.55
2015	Exposed	Greenhills	GREE1	GREE1-75	R	0.12	0.73	0.84
2015	Exposed	Greenhills	GREE3	GREE3-12.5	C	1.37	0.90	2.27
2015	Exposed	Greenhills	GREE3	GREE3-12.5	R	1.27	0.90	2.17
2015	Exposed	Greenhills	GREE3	GREE3-25	R	1.57	0.98	2.55
2015	Exposed	Greenhills	GREE3	GREE3-37.5	C	1.27	0.98	2.25
2015	Exposed	Greenhills	GREE3	GREE3-37.5	G	1.13	0.88	2.00
2015	Exposed	Greenhills	GREE3	GREE3-37.5	R	1.33	0.94	2.27
2015	Exposed	Greenhills	GREE3	GREE3-50	C	1.64	0.89	2.53
2015	Exposed	Greenhills	GREE3	GREE3-62.5	C	1.67	0.96	2.63
2015	Exposed	Greenhills	GREE3	GREE3-62.5	R	1.75	0.98	2.73
2015	Exposed	Greenhills	GREE3	GREE3-75	C	1.45	1.00	2.45
2015	Exposed	Greenhills	GREE3	GREE3-75	G	1.78	0.94	2.72

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Greenhills	GREE3	GREE3-75	R	1.55	0.93	2.48
2015	Exposed	Greenhills	GREE4	GREE4-12.5		2.00	1.00	3.00
2015	Exposed	Greenhills	GREE4	GREE4-12.5	C	1.94	0.98	2.92
2015	Exposed	Greenhills	GREE4	GREE4-12.5	G	1.76	0.88	2.65
2015	Exposed	Greenhills	GREE4	GREE4-12.5	R	1.91	0.97	2.88
2015	Exposed	Greenhills	GREE4	GREE4-25	C	1.81	0.95	2.76
2015	Exposed	Greenhills	GREE4	GREE4-25	G	1.64	0.82	2.45
2015	Exposed	Greenhills	GREE4	GREE4-25	P	1.67	1.00	2.67
2015	Exposed	Greenhills	GREE4	GREE4-25	R	1.91	0.96	2.87
2015	Exposed	Greenhills	GREE4	GREE4-37.5	G	1.94	0.97	2.91
2015	Exposed	Greenhills	GREE4	GREE4-37.5	R	1.78	0.99	2.76
2015	Exposed	Greenhills	GREE4	GREE4-50	G	1.79	0.93	2.72
2015	Exposed	Greenhills	GREE4	GREE4-50	R	1.94	1.00	2.94
2015	Exposed	Greenhills	GREE4	GREE4-62.5	C	2.00	1.00	3.00
2015	Exposed	Greenhills	GREE4	GREE4-62.5	G	2.00	1.00	3.00
2015	Exposed	Greenhills	GREE4	GREE4-62.5	R	1.71	0.93	2.64
2015	Exposed	Greenhills	GREE4	GREE4-75	P	0.00	0.00	0.00
2015	Exposed	Greenhills	GREE4	GREE4-75	R	1.86	0.96	2.82
2015	Exposed	Harmer	HARM1	HARM1-25	C	0.00	0.00	0.00
2015	Exposed	Harmer	HARM1	HARM1-25	G	0.00	0.02	0.02
2015	Exposed	Harmer	HARM1	HARM1-25	R	0.00	0.04	0.04
2015	Exposed	Harmer	HARM1	HARM1-25	SC	0.00	0.00	0.00
2015	Exposed	Harmer	HARM1	HARM1-50	G	0.00	0.06	0.06
2015	Exposed	Harmer	HARM1	HARM1-50	R	0.00	0.02	0.02
2015	Exposed	Harmer	HARM1	HARM1-75	G	0.00	0.11	0.11
2015	Exposed	Harmer	HARM1	HARM1-75	R	0.00	0.13	0.13
2015	Exposed	Harmer	HARM3	HARM3-25	G	0.00	0.08	0.08
2015	Exposed	Harmer	HARM3	HARM3-25	R	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-25	SC	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-50	G	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-50	R	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-75	G	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-75	P	0.00	0.00	0.00
2015	Exposed	Harmer	HARM3	HARM3-75	R	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Harmer	HARM4	HARM4-12.5	G	0.00	0.32	0.32
2015	Exposed	Harmer	HARM4	HARM4-12.5	R	0.00	0.21	0.21
2015	Exposed	Harmer	HARM4	HARM4-25	G	0.00	0.03	0.03
2015	Exposed	Harmer	HARM4	HARM4-25	O	0.00	0.00	0.00
2015	Exposed	Harmer	HARM4	HARM4-25	P	0.00	0.05	0.05
2015	Exposed	Harmer	HARM4	HARM4-25	R	0.00	0.07	0.07
2015	Exposed	Harmer	HARM4	HARM4-25	SC	0.00	0.00	0.00
2015	Exposed	Harmer	HARM4	HARM4-37.5	G	0.00	0.10	0.10
2015	Exposed	Harmer	HARM4	HARM4-37.5	R	0.00	0.10	0.10
2015	Exposed	Harmer	HARM4	HARM4-50	G	0.00	0.23	0.23
2015	Exposed	Harmer	HARM4	HARM4-50	R	0.00	0.31	0.31
2015	Exposed	Harmer	HARM4	HARM4-62.5	G	0.00	0.33	0.33
2015	Exposed	Harmer	HARM4	HARM4-62.5	R	0.00	0.26	0.26
2015	Exposed	Harmer	HARM4	HARM4-75	G	0.00	0.04	0.04
2015	Exposed	Harmer	HARM4	HARM4-75	R	0.00	0.07	0.07
2015	Exposed	Harmer	HARM5	HARM5-25	G	0.00	0.31	0.31
2015	Exposed	Harmer	HARM5	HARM5-25	R	0.00	0.31	0.31
2015	Exposed	Harmer	HARM5	HARM5-50	G	0.00	0.20	0.20
2015	Exposed	Harmer	HARM5	HARM5-50	P	0.00	0.00	0.00
2015	Exposed	Harmer	HARM5	HARM5-50	R	0.00	0.19	0.19
2015	Exposed	Harmer	HARM5	HARM5-75	G	0.00	0.12	0.12
2015	Exposed	Harmer	HARM5	HARM5-75	P	0.00	0.13	0.13
2015	Exposed	Harmer	HARM5	HARM5-75	R	0.00	0.18	0.18
2015	Exposed	Kilmamock	KILM1	KILM1-25	R	1.61	0.95	2.56
2015	Exposed	Kilmamock	KILM1	KILM1-50	R	1.83	0.94	2.77
2015	Exposed	Kilmamock	KILM1	KILM1-62.5	R	1.61	0.83	2.44
2015	Exposed	Kilmamock	KILM1	KILM1-75	R	1.37	0.72	2.09
2015	Exposed	Leask	LEAS2	LEAS2-25	C	0.00	0.28	0.28
2015	Exposed	Leask	LEAS2	LEAS2-25	R	0.00	0.16	0.16
2015	Exposed	Lindsay	LIND1	LIND1-25	C	0.05	0.51	0.56
2015	Exposed	Line	LINE4	LINE4-25	G	0.31	0.38	0.69
2015	Exposed	Line	LINE4	LINE4-25	R	0.17	0.62	0.79
2015	Exposed	Line	LINE4	LINE4-50	C	0.04	0.42	0.46
2015	Exposed	Line	LINE4	LINE4-50	R	0.33	0.62	0.95

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Line	LINE4	LINE4-75	C	0.03	0.57	0.60
2015	Exposed	Line	LINE4	LINE4-75	G	0.13	0.81	0.94
2015	Exposed	Line	LINE4	LINE4-75	R	0.18	0.51	0.69
2015	Exposed	Mickelson	MICK2	MICK2-50	C	0.00	0.10	0.10
2015	Exposed	Mickelson	MICK2	MICK2-50	R	0.00	0.00	0.00
2015	Exposed	North Thompson	NTHO1	NTHO1-12.5		0.00	0.29	0.29
2015	Exposed	North Thompson	NTHO1	NTHO1-25	C	1.50	0.95	2.45
2015	Exposed	North Thompson	NTHO1	NTHO1-25	G	0.97	0.81	1.77
2015	Exposed	North Thompson	NTHO1	NTHO1-25	R	0.62	0.91	1.53
2015	Exposed	North Thompson	NTHO1	NTHO1-37.5		0.88	0.78	1.66
2015	Exposed	North Thompson	NTHO1	NTHO1-50	C	1.07	0.74	1.81
2015	Exposed	North Thompson	NTHO1	NTHO1-50	G	0.13	0.38	0.50
2015	Exposed	North Thompson	NTHO1	NTHO1-50	R	1.03	0.90	1.93
2015	Exposed	North Thompson	NTHO1	NTHO1-62.5		0.56	0.77	1.33
2015	Exposed	North Thompson	NTHO1	NTHO1-75	C	0.13	0.22	0.34
2015	Exposed	North Thompson	NTHO1	NTHO1-75	R	0.00	0.14	0.14
2015	Exposed	North Wolfram	NWOL1	NWOL1-25	C	0.11	0.40	0.51
2015	Exposed	North Wolfram	NWOL1	NWOL1-25	R	0.00	0.18	0.18
2015	Exposed	Otto	OTTO1	OTTO1-0	C	0.00	0.00	0.00
2015	Exposed	Otto	OTTO1	OTTO1-0	G	0.00	0.13	0.13
2015	Exposed	Otto	OTTO1	OTTO1-0	R	0.00	0.08	0.08
2015	Exposed	Pengally	PENG1	PENG1-0	C	0.00	0.03	0.03
2015	Exposed	Porter	PORT1	PORT1-0	C	0.29	0.67	0.96
2015	Exposed	Porter	PORT1	PORT1-0	G	0.00	0.38	0.38
2015	Exposed	Porter	PORT1	PORT1-0	R	0.22	0.64	0.86
2015	Exposed	Porter	PORT3a	PORT3a-25	C	0.33	0.59	0.92
2015	Exposed	Porter	PORT3b	PORT3b-50	C	1.29	0.78	2.07
2015	Exposed	Porter	PORT3b	PORT3b-75	C	1.85	0.98	2.83
2015	Exposed	Sawmill	SAWM2	SAWM2-50	C	0.63	0.61	1.24
2015	Exposed	Six Mile	SIXM1	SIXM1-25	C	0.00	0.67	0.67
2015	Exposed	Six Mile	SIXM1	SIXM1-25	G	0.00	0.58	0.58
2015	Exposed	Six Mile	SIXM1	SIXM1-25	P	0.00	0.00	0.00
2015	Exposed	Six Mile	SIXM1	SIXM1-25	R	0.00	0.54	0.54
2015	Exposed	Six Mile	SIXM1	SIXM1-50	C	0.00	0.48	0.48

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2015	Exposed	Six Mile	SIXM1	SIXM1-50	G	0.00	0.20	0.20
2015	Exposed	Six Mile	SIXM1	SIXM1-50	R	0.00	0.22	0.22
2015	Exposed	Six Mile	SIXM1	SIXM1-75	C	0.00	0.50	0.50
2015	Exposed	Six Mile	SIXM1	SIXM1-75	G	0.00	0.52	0.52
2015	Exposed	Six Mile	SIXM1	SIXM1-75	P	0.00	0.27	0.27
2015	Exposed	Six Mile	SIXM1	SIXM1-75	R	0.00	0.64	0.64
2015	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	G	1.39	0.85	2.24
2015	Exposed	South Pit	SPIT1	SPIT1-0	G	1.26	0.87	2.13
2015	Exposed	South Pit	SPIT1	SPIT1-25	G	1.32	0.87	2.19
2015	Exposed	South Pit	SPIT1	SPIT1-50	G	0.12	0.12	0.24
2015	Exposed	South Pond Seep	SPSE1	SPSE1-50	SEEP	0.02	0.08	0.10
2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	C	0.33	0.75	1.08
2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	G	0.29	0.54	0.82
2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	P	0.00	0.33	0.33
2015	Exposed	South Wolfram Creek	SWOL1	SWOL1-25	R	0.07	0.63	0.70
2015	Exposed	Spring	SPRI1	SPRI1-0	G	0.00	0.09	0.09
2015	Exposed	Spring	SPRI1	SPRI1-0	R	0.00	0.33	0.33
2015	Exposed	Swift	SWIF1	SWIF1-0	C	1.66	0.86	2.52
2015	Exposed	Swift	SWIF1	SWIF1-0	G	0.67	0.80	1.47
2015	Exposed	Swift	SWIF1	SWIF1-0	P	2.00	1.00	3.00
2015	Exposed	Swift	SWIF2	SWIF2-75	C	2.00	1.00	3.00
2015	Exposed	Swift	SWIF2	SWIF2-75	G	1.19	0.88	2.07
2015	Exposed	Swift	SWIF2	SWIF2-75	R	1.76	0.96	2.72
2015	Exposed	Thompson	THOM2	THOM2-50	C	0.00	0.00	0.00
2015	Exposed	Thompson	THOM2	THOM2-50	G	0.00	0.13	0.13
2015	Exposed	Wolfram	WOLF2	WOLF2-75	C	0.09	0.69	0.78
2015	Exposed	Wolfram	WOLF2	WOLF2-75	R	0.00	0.56	0.56
2015	Exposed	Wolfram	WOLF3	WOLF3-25	C	0.41	0.94	1.35
2015	Exposed	Wolfram	WOLF3	WOLF3-25	R	0.29	0.88	1.18
2015	Exposed	Wolfram	WOLF3	WOLF3-50	C	1.13	0.92	2.05
2015	Exposed	Wolfram	WOLF3	WOLF3-50	G	0.00	0.57	0.57
2015	Exposed	Wolfram	WOLF3	WOLF3-50	R	1.00	0.79	1.79
2015	Exposed	Wolfram	WOLF3	WOLF3-75	C	0.58	0.83	1.41
2015	Exposed	Wolfram	WOLF3	WOLF3-75	R	1.12	0.85	1.98

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Reference	Alexander	ALEX3	ALEX3-25	R	0.06	0.79	0.85
2019	Reference	Alexander	ALEX3	ALEX3-50	R	0.02	0.84	0.86
2019	Reference	Andy Good	ANDY1	ANDY1-25	R	0.00	0.01	0.01
2019	Reference	Andy Good	ANDY1	ANDY1-50	R	0.00	0.02	0.02
2019	Reference	Andy Good	ANDY1	ANDY1-75	R	0.00	0.25	0.25
2019	Exposed	Aqueduct	AQUE1	AQUE1-0	G	0.00	0.00	0.00
2019	Exposed	Bodie	BODI1	BODI1-25	G	0.10	0.26	0.36
2019	Exposed	Bodie	BODI1	BODI1-50	G	0.87	0.96	1.83
2019	Exposed	Bodie	BODI1	BODI1-75	G	0.10	0.97	1.07
2019	Exposed	Bodie	BODI3	BODI3-25	C	1.61	0.98	2.59
2019	Exposed	Bodie	BODI3	BODI3-50	C	1.67	0.99	2.66
2019	Exposed	Bodie	BODI3	BODI3-75	C	1.48	1.00	2.48
2019	Reference	Chauncey	CHAU1	CHAU1-25	G	0.00	0.15	0.15
2019	Reference	Chauncey	CHAU1	CHAU1-25	R	0.00	0.13	0.13
2019	Reference	Chauncey	CHAU1	CHAU1-50	G	0.00	0.24	0.24
2019	Reference	Chauncey	CHAU1	CHAU1-50	R	0.03	0.21	0.24
2019	Reference	Chauncey	CHAU1	CHAU1-75	G	0.00	0.23	0.23
2019	Reference	Chauncey	CHAU1	CHAU1-75	R	0.00	0.33	0.33
2019	Exposed	Clode Pond Outlet	COUT1	COUT1-0	G	0.31	0.86	1.17
2019	Exposed	Clode Pond Outlet	COUT1	COUT1-0	R	0.49	0.95	1.44
2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	G	0.00	0.56	0.56
2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	R	0.00	0.89	0.89
2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	G	0.00	0.57	0.57
2019	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	R	0.00	0.79	0.79
2019	Exposed	Corbin	CORB1	CORB1-25	G	1.12	0.88	2.00
2019	Exposed	Corbin	CORB1	CORB1-25	P	1.22	1.00	2.22
2019	Exposed	Corbin	CORB1	CORB1-25	R	1.35	0.97	2.32
2019	Exposed	Corbin	CORB1	CORB1-50	G	1.82	0.97	2.79
2019	Exposed	Corbin	CORB1	CORB1-50	P	1.83	1.00	2.83
2019	Exposed	Corbin	CORB1	CORB1-50	R	1.82	0.97	2.79
2019	Exposed	Corbin	CORB1	CORB1-75	G	1.47	0.97	2.43
2019	Exposed	Corbin	CORB1	CORB1-75	P	1.20	0.80	2.00
2019	Exposed	Corbin	CORB1	CORB1-75	R	1.42	0.98	2.40
2019	Exposed	Corbin	CORB2	CORB2-25		1.92	1.00	2.92

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Corbin	CORB2	CORB2-50		1.86	0.98	2.84
2019	Exposed	Corbin	CORB2	CORB2-75		1.86	0.98	2.84
2019	Exposed	Dry (EVO)	DRYE1	DRYE1-0	C	1.20	0.99	2.19
2019	Exposed	Dry (EVO)	DRYE3	DRYE3-50	C	1.44	1.00	2.44
2019	Exposed	Dry (EVO)	DRYE3	DRYE3-75	C	1.06	1.00	2.06
2019	Exposed	Dry (EVO)	DRYE4	DRYE4-25	C	1.51	1.00	2.51
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-25	G	0.00	0.51	0.51
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-25	R	0.00	0.51	0.51
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-50	G	0.00	0.73	0.73
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-50	R	0.00	0.83	0.83
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-75	G	0.00	0.00	0.00
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-75	P	0.00	0.00	0.00
2019	Exposed	Dry (LCO)	DRYL1	DRYL1-75	R	0.09	0.63	0.71
2019	Exposed	Dry (LCO)	DRYL2	DRYL2-25	R	0.00	0.43	0.43
2019	Exposed	Dry (LCO)	DRYL2	DRYL2-50	R	0.00	0.63	0.63
2019	Exposed	Dry (LCO)	DRYL2	DRYL2-75	G	0.00	0.63	0.63
2019	Exposed	Dry (LCO)	DRYL2	DRYL2-75	R	0.00	0.45	0.45
2019	Exposed	Dry (LCO)	DRYL3	DRYL3-25	G	0.00	0.25	0.25
2019	Exposed	Dry (LCO)	DRYL3	DRYL3-25	R	0.00	0.23	0.23
2019	Exposed	Dry (LCO)	DRYL3	DRYL3-50	G	0.00	0.19	0.19
2019	Exposed	Dry (LCO)	DRYL3	DRYL3-50	R	0.00	0.24	0.24
2019	Exposed	Dry (LCO)	DRYL3	DRYL3-75	R	0.00	0.05	0.05
2019	Exposed	Dry (LCO)	DRYL4	DRYL4-25	R	0.00	0.22	0.22
2019	Exposed	Dry (LCO)	DRYL4	DRYL4-50	R	0.00	0.03	0.03
2019	Exposed	Dry (LCO)	DRYL4	DRYL4-75	R	0.00	0.21	0.21
2019	Exposed	East Dry	ETRI1	ETRI1-0	R	0.00	0.01	0.01
2019	Exposed	East Dry	ETRI1	ETRI1-50	C	0.00	0.03	0.03
2019	Exposed	East Dry	ETRI1	ETRI1-50	R	0.00	0.00	0.00
2019	Exposed	Elk	ELKR10	ELKR10-25	R	0.00	0.00	0.00
2019	Exposed	Elk	ELKR10	ELKR10-50	G	0.00	0.03	0.03
2019	Exposed	Elk	ELKR10	ELKR10-75	G	0.00	0.00	0.00
2019	Exposed	Elk	ELKR12	ELKR12-25	R	0.00	0.09	0.09
2019	Exposed	Elk	ELKR12	ELKR12-50	G	0.00	0.00	0.00
2019	Exposed	Elk	ELKR12	ELKR12-75	G	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Reference	Elk	ELKR15	ELKR15-25	G	0.00	0.00	0.00
2019	Reference	Elk	ELKR15	ELKR15-50	G	0.00	0.00	0.00
2019	Reference	Elk	ELKR15	ELKR15-50	R	0.00	0.03	0.03
2019	Reference	Elk	ELKR15	ELKR15-75	G	0.00	0.09	0.09
2019	Reference	Elk	ELKR15	ELKR15-75	R	0.00	0.01	0.01
2019	Exposed	Elk	ELKR8	ELKR8-50	R	0.00	0.00	0.00
2019	Exposed	Elk	ELKR8	ELKR8-75	G	0.00	0.18	0.18
2019	Exposed	Elk	ELKR9	ELKR9-25	G	0.00	0.00	0.00
2019	Exposed	Elk	ELKR9	ELKR9-50	R	0.00	0.08	0.08
2019	Exposed	Elk	ELKR9	ELKR9-75	R	0.00	0.17	0.17
2019	Exposed	Erickson	ERIC1	ERIC1-0	C	2.04	1.00	3.04
2019	Exposed	Erickson	ERIC1	ERIC1-0	R	1.76	1.00	2.76
2019	Exposed	Erickson	ERIC1	ERIC1-50	C	1.89	1.00	2.89
2019	Exposed	Erickson	ERIC2	ERIC2-0	C	1.57	0.95	2.52
2019	Exposed	Erickson	ERIC2	ERIC2-0	R	1.48	0.93	2.41
2019	Exposed	Erickson	ERIC3	ERIC3-0	C	1.96	1.00	2.96
2019	Exposed	Erickson	ERIC4	ERIC4-12.5	C	1.76	1.00	2.76
2019	Exposed	Erickson	ERIC4	ERIC4-12.5	R	1.99	1.00	2.99
2019	Exposed	Erickson	ERIC4	ERIC4-25	R	1.77	1.00	2.77
2019	Exposed	Erickson	ERIC4	ERIC4-37.5	C	1.33	1.00	2.33
2019	Exposed	Erickson	ERIC4	ERIC4-37.5	R	0.87	0.99	1.86
2019	Exposed	Erickson	ERIC4	ERIC4-50	R	0.16	0.98	1.14
2019	Exposed	Erickson	ERIC4	ERIC4-62.5	R	0.07	1.00	1.07
2019	Exposed	Erickson	ERIC4	ERIC4-75	R	0.00	0.66	0.66
2019	Exposed	Feltham	FELT1	FELT1-25	C	0.00	0.00	0.00
2019	Exposed	Feltham	FELT1	FELT1-50	C	0.00	0.00	0.00
2019	Exposed	Feltham	FELT1	FELT1-75	C	0.00	0.00	0.00
2019	Exposed	Fennelon	FENN1	FENN1-25	C	0.00	0.00	0.00
2019	Exposed	Fennelon	FENN1	FENN1-50	C	0.00	0.00	0.00
2019	Exposed	Fennelon	FENN1	FENN1-75	C	0.00	0.05	0.05
2019	Exposed	Fish Pond	FPON1	FPON1-25	G	0.00	0.40	0.40
2019	Exposed	Fish Pond	FPON1	FPON1-25	P	0.00	0.31	0.31
2019	Exposed	Fish Pond	FPON1	FPON1-25	R	0.00	0.51	0.51
2019	Exposed	Fish Pond	FPON1	FPON1-50	G	0.00	0.36	0.36

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Fish Pond	FPON1	FPON1-50	R	0.00	0.58	0.58
2019	Exposed	Fish Pond	FPON1	FPON1-75	G	0.00	0.36	0.36
2019	Exposed	Fish Pond	FPON1	FPON1-75	R	0.00	0.20	0.20
2019	Exposed	Fording	FORD1	FORD1-25	G	0.00	0.44	0.44
2019	Exposed	Fording	FORD1	FORD1-25	R	0.00	0.14	0.14
2019	Exposed	Fording	FORD1	FORD1-50	C	0.00	0.00	0.00
2019	Exposed	Fording	FORD1	FORD1-50	R	0.00	0.00	0.00
2019	Exposed	Fording	FORD1	FORD1-75	R	0.00	0.19	0.19
2019	Reference	Fording	FORD12	FORD12-25	C	0.00	0.51	0.51
2019	Reference	Fording	FORD12	FORD12-25	G	0.00	0.44	0.44
2019	Reference	Fording	FORD12	FORD12-25	R	0.00	0.47	0.47
2019	Reference	Fording	FORD12	FORD12-50	C	0.00	0.16	0.16
2019	Reference	Fording	FORD12	FORD12-50	G	0.00	0.17	0.17
2019	Reference	Fording	FORD12	FORD12-50	R	0.00	0.30	0.30
2019	Reference	Fording	FORD12	FORD12-75	G	0.00	0.07	0.07
2019	Reference	Fording	FORD12	FORD12-75	R	0.00	0.18	0.18
2019	Exposed	Fording	FORD2	FORD2-25	G	0.00	0.38	0.38
2019	Exposed	Fording	FORD2	FORD2-25	R	0.00	0.21	0.21
2019	Exposed	Fording	FORD2	FORD2-50	R	0.07	0.25	0.32
2019	Exposed	Fording	FORD2	FORD2-75	G	0.00	0.12	0.12
2019	Exposed	Fording	FORD2	FORD2-75	R	0.04	0.37	0.41
2019	Exposed	Fording	FORD4	FORD4-25	R	0.35	0.98	1.33
2019	Exposed	Fording	FORD4	FORD4-50	G	0.00	0.95	0.95
2019	Exposed	Fording	FORD4	FORD4-75	C	0.00	1.00	1.00
2019	Exposed	Fording	FORD5	FORD5-12.5	R	0.00	0.70	0.70
2019	Exposed	Fording	FORD5	FORD5-25	R	0.00	0.69	0.69
2019	Exposed	Fording	FORD5	FORD5-50	R	0.00	1.00	1.00
2019	Exposed	Fording	FORD6	FORD6-25	G	0.03	0.96	0.99
2019	Exposed	Fording	FORD6	FORD6-25	P	0.00	0.86	0.86
2019	Exposed	Fording	FORD6	FORD6-50	R	0.16	1.00	1.16
2019	Exposed	Fording	FORD6	FORD6-75	G	0.00	0.81	0.81
2019	Exposed	Fording	FORD7	FORD7-25	R	0.09	1.00	1.09
2019	Exposed	Fording	FORD7	FORD7-50	G	0.00	0.47	0.47
2019	Exposed	Fording	FORD7	FORD7-75	G	0.14	1.00	1.14

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Fording	FORD9	FORD9-25	G	0.35	0.76	1.12
2019	Exposed	Fording	FORD9	FORD9-25	R	0.00	0.73	0.73
2019	Exposed	Fording	FORD9	FORD9-37.5	G	0.41	0.73	1.14
2019	Exposed	Fording	FORD9	FORD9-37.5	R	0.53	0.83	1.36
2019	Exposed	Fording	FORD9	FORD9-50	G	0.00	0.22	0.22
2019	Exposed	Fording	FORD9	FORD9-50	R	0.00	0.11	0.11
2019	Exposed	Fording	FORD9	FORD9-60	C	0.00	0.06	0.06
2019	Exposed	Fording	FORD9	FORD9-60	G	0.00	0.63	0.63
2019	Exposed	Fording	FORD9	FORD9-60	R	0.00	0.06	0.06
2019	Exposed	Fording	FORD9	FORD9-62.5	G	0.00	0.20	0.20
2019	Exposed	Fording	FORD9	FORD9-62.5	R	0.00	0.49	0.49
2019	Exposed	Fording	FORD9	FORD9-75	G	0.00	0.03	0.03
2019	Exposed	Fording	FORD9	FORD9-75	R	0.00	0.10	0.10
2019	Exposed	Gardine	GARD1	GARD1-50	R	0.01	0.58	0.59
2019	Exposed	Gardine	GARD1	GARD1-75	R	0.00	0.41	0.41
2019	Exposed	Goddard	GODD1	GODD1-0	R	0.00	0.24	0.24
2019	Exposed	Goddard	GODD2	GODD2-25	C	1.41	0.97	2.38
2019	Exposed	Goddard	GODD2	GODD2-50	C	1.83	1.00	2.83
2019	Exposed	Goddard	GODD2	GODD2-75	C	1.38	0.98	2.36
2019	Exposed	Goddard	GODD3	GODD3-25	C	1.69	1.00	2.69
2019	Exposed	Goddard	GODD3	GODD3-25	R	1.90	1.00	2.90
2019	Exposed	Goddard	GODD3	GODD3-50	C	1.61	0.91	2.52
2019	Exposed	Goddard	GODD3	GODD3-50	R	1.83	0.92	2.75
2019	Exposed	Goddard	GODD3	GODD3-75	C	1.69	1.00	2.69
2019	Reference	Grace	GRAC1	GRAC1-25	G	0.00	0.25	0.25
2019	Reference	Grace	GRAC1	GRAC1-25	R	0.03	0.41	0.44
2019	Reference	Grace	GRAC1	GRAC1-50	G	0.00	0.05	0.05
2019	Reference	Grace	GRAC1	GRAC1-50	R	0.00	0.10	0.10
2019	Reference	Grace	GRAC1	GRAC1-75	R	0.00	0.09	0.09
2019	Exposed	Grassy	GRAS1	GRAS1-25	G	0.22	0.39	0.61
2019	Exposed	Grassy	GRAS1	GRAS1-50	G	0.15	0.17	0.32
2019	Exposed	Grassy	GRAS1	GRAS1-75	G	0.00	0.21	0.21
2019	Exposed	Grave	GRAV1	GRAV1-25	R	0.00	0.42	0.42
2019	Exposed	Grave	GRAV1	GRAV1-50	R	0.00	0.38	0.38

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Grave	GRAV1	GRAV1-75	C	0.01	0.41	0.42
2019	Reference	Grave	GRAV3	GRAV3-25	C	0.00	0.00	0.00
2019	Reference	Grave	GRAV3	GRAV3-25	G	0.00	0.00	0.00
2019	Reference	Grave	GRAV3	GRAV3-25	R	0.00	0.00	0.00
2019	Reference	Grave	GRAV3	GRAV3-75	R	0.00	0.00	0.00
2019	Exposed	Greenhills	GREE1	GREE1-25	G	0.00	0.21	0.21
2019	Exposed	Greenhills	GREE1	GREE1-50	G	0.00	0.64	0.64
2019	Exposed	Greenhills	GREE1	GREE1-50	R	0.00	0.45	0.45
2019	Exposed	Greenhills	GREE1	GREE1-75	G	0.11	1.00	1.11
2019	Exposed	Greenhills	GREE1	GREE1-75	R	0.30	0.95	1.24
2019	Exposed	Greenhills	GREE3	GREE3-25	R	0.81	0.99	1.80
2019	Exposed	Greenhills	GREE3	GREE3-50	R	1.30	1.00	2.30
2019	Exposed	Greenhills	GREE3	GREE3-75	R	0.64	0.98	1.62
2019	Exposed	Greenhills	GREE4	GREE4-25	R	0.81	1.00	1.81
2019	Exposed	Greenhills	GREE4	GREE4-50	R	1.86	1.00	2.86
2019	Exposed	Greenhills	GREE4	GREE4-75	R	1.30	1.00	2.30
2019	Exposed	Harmer	HARM1	HARM1-25	G	0.00	0.00	0.00
2019	Exposed	Harmer	HARM1	HARM1-25	P	0.00	1.00	1.00
2019	Exposed	Harmer	HARM1	HARM1-25	R	0.00	0.73	0.73
2019	Exposed	Harmer	HARM1	HARM1-50	C	0.00	0.82	0.82
2019	Exposed	Harmer	HARM1	HARM1-50	R	0.00	0.90	0.90
2019	Exposed	Harmer	HARM1	HARM1-75	R	0.00	0.87	0.87
2019	Exposed	Harmer	HARM3	HARM3-25	C	0.00	0.36	0.36
2019	Exposed	Harmer	HARM3	HARM3-25	G	0.00	0.17	0.17
2019	Exposed	Harmer	HARM3	HARM3-25	R	0.01	0.18	0.19
2019	Exposed	Harmer	HARM3	HARM3-50	C	0.00	0.02	0.02
2019	Exposed	Harmer	HARM3	HARM3-50	G	0.00	0.13	0.13
2019	Exposed	Harmer	HARM3	HARM3-50	R	0.00	0.10	0.10
2019	Exposed	Harmer	HARM3	HARM3-75	C	0.00	0.16	0.16
2019	Exposed	Harmer	HARM3	HARM3-75	G	0.00	0.07	0.07
2019	Exposed	Harmer	HARM3	HARM3-75	R	0.00	0.23	0.23
2019	Exposed	Henretta	HENR1	HENR1-25	G	0.00	0.47	0.47
2019	Exposed	Henretta	HENR1	HENR1-25	R	0.00	0.58	0.58
2019	Exposed	Henretta	HENR1	HENR1-50	C	0.00	0.32	0.32

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Henretta	HENR1	HENR1-50	R	0.00	0.32	0.32
2019	Exposed	Henretta	HENR1	HENR1-75	R	0.00	0.39	0.39
2019	Exposed	Kilmamock	KILM1	KILM1-25	G	1.85	1.00	2.85
2019	Exposed	Kilmamock	KILM1	KILM1-25	R	1.97	1.00	2.97
2019	Exposed	Kilmamock	KILM1	KILM1-50	R	1.94	1.00	2.94
2019	Exposed	Kilmamock	KILM1	KILM1-75	R	1.07	0.73	1.80
2019	Exposed	Lake Mountain	LMOU1	LMOU1-50	C	0.00	0.87	0.87
2019	Exposed	Lake Mountain	LMOU1	LMOU1-50	P	0.00	1.00	1.00
2019	Exposed	Lake Mountain	LMOU1	LMOU1-50	R	0.00	0.71	0.71
2019	Exposed	Lake Mountain	LMOU1	LMOU1-75	G	0.00	0.90	0.90
2019	Exposed	Lake Mountain	LMOU1	LMOU1-75	R	0.00	0.93	0.93
2019	Exposed	Leask	LEAS2	LEAS2-18.2	C	1.40	1.00	2.40
2019	Exposed	Leask	LEAS2	LEAS2-18.2	R	1.82	1.00	2.82
2019	Exposed	Leask	LEAS2	LEAS2-25	R	1.75	1.00	2.75
2019	Exposed	Leask	LEAS2	LEAS2-9.1	C	1.60	1.00	2.60
2019	Exposed	Leask	LEAS2	LEAS2-9.1	R	1.82	1.00	2.82
2019	Exposed	Line	LINE1	LINE1-25	C	0.00	0.00	0.00
2019	Exposed	Line	LINE1	LINE1-25	R	0.00	0.13	0.13
2019	Exposed	Line	LINE1	LINE1-50	C	0.00	0.38	0.38
2019	Exposed	Line	LINE1	LINE1-50	G	0.00	0.00	0.00
2019	Exposed	Line	LINE1	LINE1-50	R	0.11	0.26	0.37
2019	Exposed	Line	LINE1	LINE1-75	G	0.00	0.31	0.31
2019	Exposed	Line	LINE1	LINE1-75	R	0.23	0.96	1.18
2019	Exposed	Line	LINE4	LINE4-25	R	0.00	0.97	0.97
2019	Exposed	Line	LINE4	LINE4-50	C	0.00	0.90	0.90
2019	Exposed	Line	LINE4	LINE4-50	R	0.00	0.95	0.95
2019	Exposed	Line	LINE4	LINE4-75	C	0.00	0.82	0.82
2019	Exposed	Line	LINE4	LINE4-75	G	0.00	0.86	0.86
2019	Exposed	Line	LINE4	LINE4-75	R	0.00	0.96	0.96
2019	Exposed	Michel	MICH1	MICH1-25	R	0.00	0.08	0.08
2019	Exposed	Michel	MICH1	MICH1-50	R	0.00	0.02	0.02
2019	Exposed	Michel	MICH1	MICH1-75	G	0.00	0.00	0.00
2019	Exposed	Michel	MICH1	MICH1-75	R	0.00	0.03	0.03
2019	Exposed	Michel	MICH4	MICH4-25	P	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Michel	MICH4	MICH4-25	R	0.00	0.00	0.00
2019	Exposed	Michel	MICH4	MICH4-50	R	0.00	0.00	0.00
2019	Exposed	Michel	MICH4	MICH4-75	G	0.00	0.09	0.09
2019	Exposed	Michel	MICH4	MICH4-75	R	0.00	0.03	0.03
2019	Reference	Michel	MICH5	MICH5-25	G	0.00	0.11	0.11
2019	Reference	Michel	MICH5	MICH5-25	P	0.00	0.00	0.00
2019	Reference	Michel	MICH5	MICH5-25	R	0.00	0.02	0.02
2019	Reference	Michel	MICH5	MICH5-50	G	0.00	0.06	0.06
2019	Reference	Michel	MICH5	MICH5-50	P	0.00	0.00	0.00
2019	Reference	Michel	MICH5	MICH5-50	R	0.00	0.09	0.09
2019	Reference	Michel	MICH5	MICH5-75	G	0.00	0.05	0.05
2019	Reference	Michel	MICH5	MICH5-75	P	0.00	0.00	0.00
2019	Reference	Michel	MICH5	MICH5-75	R	0.00	0.04	0.04
2019	Exposed	Mickelson	MICK1	MICK1-37.5	R	0.82	1.00	1.82
2019	Exposed	Mickelson	MICK1	MICK1-50		0.39	0.95	1.34
2019	Exposed	Mickelson	MICK1	MICK1-62.5	R	1.01	0.98	1.99
2019	Exposed	Mickelson	MICK1	MICK1-75		1.20	1.00	2.20
2019	Exposed	North Thompson	NTHO1	NTHO1-12.5	C	0.77	0.94	1.71
2019	Exposed	North Thompson	NTHO1	NTHO1-12.5	P	0.00	0.33	0.33
2019	Exposed	North Thompson	NTHO1	NTHO1-12.5	R	0.82	0.82	1.64
2019	Exposed	North Thompson	NTHO1	NTHO1-25	R	0.11	0.86	0.97
2019	Exposed	North Thompson	NTHO1	NTHO1-37.5	C	0.42	0.89	1.32
2019	Exposed	North Thompson	NTHO1	NTHO1-37.5	R	0.13	0.73	0.87
2019	Exposed	North Thompson	NTHO1	NTHO1-50	R	0.38	0.93	1.31
2019	Exposed	North Thompson	NTHO1	NTHO1-62.5	R	1.05	0.98	2.03
2019	Exposed	North Thompson	NTHO1	NTHO1-75	C	1.18	0.98	2.16
2018	Exposed	Pengally	PENG1	PENG1-0		0.00	0.00	0.00
2018	Exposed	Pengally	PENG1	PENG1-50		0.00	0.00	0.00
2019	Exposed	Porter	PORT1	PORT1-0	G	0.00	0.73	0.73
2019	Exposed	Porter	PORT1	PORT1-0	R	0.00	0.87	0.87
2019	Exposed	Porter	PORT3a	PORT3a-12.5	C	0.00	0.26	0.26
2019	Exposed	Porter	PORT3a	PORT3a-25	C	0.02	0.40	0.42
2019	Exposed	Porter	PORT3a	PORT3a-37.5	C	0.00	0.34	0.34
2019	Exposed	Porter	PORT3b	PORT3b-50	C	1.22	0.95	2.17

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Porter	PORT3b	PORT3b-62.5	C	1.62	0.99	2.61
2019	Exposed	Porter	PORT3b	PORT3b-75	C	1.82	1.00	2.82
2019	Exposed	Sawmill	SAWM1	SAWM1-0	R	0.00	0.00	0.00
2019	Exposed	Site18	SITE	SITE-18	R	1.93	1.00	2.93
2019	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	G	1.44	0.90	2.34
2019	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	P	0.61	0.89	1.50
2019	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	R	1.69	1.00	2.69
2019	Reference	South Line	SLINE2	SLINE2-25	C	0.00	0.06	0.06
2019	Reference	South Line	SLINE2	SLINE2-50	C	0.00	0.00	0.00
2019	Reference	South Line	SLINE2	SLINE2-50	G	0.00	0.25	0.25
2019	Reference	South Line	SLINE2	SLINE2-50	R	0.00	0.12	0.12
2019	Reference	South Line	SLINE2	SLINE2-75	R	0.00	0.09	0.09
2019	Exposed	South Pit	SPIT1	SPIT1-0	R	1.43	1.00	2.43
2019	Reference	SouthWolfram	SWOL1	SWOL1-7.5	C	1.96	1.00	2.96
2019	Exposed	Spring	SPRI1	SPRI1-0	G	0.00	0.05	0.05
2019	Exposed	Swift	SWIF1	SWIF1-0	C	1.58	1.00	2.58
2019	Exposed	Swift	SWIF1	SWIF1-0	G	1.21	1.00	2.21
2019	Exposed	Swift	SWIF1	SWIF1-0	P	1.33	1.00	2.33
2019	Exposed	Swift	SWIF1	SWIF1-0	R	1.03	0.91	1.95
2019	Exposed	Swift	SWIF1	SWIF1-25	C	1.17	1.00	2.17
2019	Exposed	Swift	SWIF1	SWIF1-25	G	0.09	0.98	1.07
2019	Exposed	Swift	SWIF1	SWIF1-25	R	0.88	1.00	1.88
2019	Exposed	Thompson	THOM2	THOM2-25	R	0.00	0.71	0.71
2019	Exposed	Thompson	THOM2	THOM2-50	C	0.00	0.61	0.61
2019	Exposed	Thompson	THOM2	THOM2-50	R	0.00	0.56	0.56
2019	Exposed	Thompson	THOM2	THOM2-75	R	0.25	0.93	1.18
2019	Exposed	Thompson	THOM3	THOM3-25	C	0.22	0.95	1.17
2019	Exposed	Thompson	THOM3	THOM3-50	R	0.85	1.00	1.85
2019	Exposed	Thompson	THOM3	THOM3-75	R	0.90	0.97	1.87
2019	Exposed	Wolf	WOL1	WOL1-25	R	0.00	0.87	0.87
2019	Exposed	Wolf	WOL1	WOL1-50	C	0.01	0.88	0.90
2019	Exposed	Wolf	WOL1	WOL1-50	R	0.00	1.00	1.00
2019	Exposed	Wolfram	WOLF2	WOLF2-75	G	0.06	0.78	0.84
2019	Exposed	Wolfram	WOLF3	WOLF3-25	R	1.80	1.00	2.80

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2019	Exposed	Wolfram	WOLF3	WOLF3-50	R	1.86	1.00	2.86
2019	Exposed	Wolfram	WOLF3	WOLF3-75	R	1.93	1.00	2.93
2020	Reference	Alexander	ALEX3	ALEX3-25	G	0.00	0.45	0.45
2020	Reference	Alexander	ALEX3	ALEX3-50	G	0.00	0.41	0.41
2020	Reference	Alexander	ALEX3	ALEX3-75	G	0.00	0.36	0.36
2020	Reference	Andy Good	ANDY1	ANDY1-25	G	0.00	0.00	0.00
2020	Reference	Andy Good	ANDY1	ANDY1-50	G	0.00	0.00	0.00
2020	Reference	Andy Good	ANDY1	ANDY1-50	P	0.00	0.00	0.00
2020	Reference	Andy Good	ANDY1	ANDY1-75	G	0.00	0.00	0.00
2020	Exposed	Aqueduct	AQUE1	AQUE1-0	G	0.00	0.00	0.00
2020	Exposed	Balmer	BALM1	BALM1-25	C	0.00	0.01	0.01
2020	Exposed	Balmer	BALM1	BALM1-50	C	0.00	0.02	0.02
2020	Exposed	Balmer	BALM1	BALM1-75	C	0.00	0.00	0.00
2020	Exposed	Balmer	BALM1	BALM1-75	G	0.00	0.00	0.00
2020	Exposed	Balmer	BALM1	BALM1-75	R	0.00	0.00	0.00
2020	Exposed	Bodie	BODI1	BODI1-25	G	0.08	0.29	0.37
2020	Exposed	Bodie	BODI1	BODI1-50	G	0.83	0.96	1.79
2020	Exposed	Bodie	BODI1	BODI1-75	G	0.45	0.69	1.14
2020	Exposed	Bodie	BODI3	BODI3-25	C	1.69	0.97	2.66
2020	Exposed	Bodie	BODI3	BODI3-50	C	1.66	0.99	2.64
2020	Exposed	Bodie	BODI3	BODI3-50	G	1.50	1.00	2.50
2020	Exposed	Bodie	BODI3	BODI3-75	C	1.61	1.00	2.61
2020	Exposed	Bodie	BODI3	BODI3-75	G	0.00	1.00	1.00
2020	Reference	Chauncey	CHAU1	CHAU1-25	G	0.00	0.16	0.16
2020	Reference	Chauncey	CHAU1	CHAU1-25	R	0.00	0.14	0.14
2020	Reference	Chauncey	CHAU1	CHAU1-50	R	0.00	0.21	0.21
2020	Reference	Chauncey	CHAU1	CHAU1-75	G	0.00	0.26	0.26
2020	Reference	Chauncey	CHAU1	CHAU1-75	R	0.00	0.28	0.28
2020	Exposed	Clode Pond Outlet	COUT1	COUT1-0	G	0.29	0.96	1.25
2020	Exposed	Clode Pond Outlet	COUT1	COUT1-0	P	0.18	0.77	0.95
2020	Exposed	Clode Pond Outlet	COUT1	COUT1-0	R	0.42	0.91	1.33
2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	P	0.00	0.47	0.47
2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-0	R	0.00	0.97	0.97
2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	P	0.00	0.63	0.63

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Clode West Infiltration	CLOW1	CLOW1-50	R	0.00	0.76	0.76
2020	Exposed	Corbin	CORB1	CORB1-25	G	1.43	0.97	2.40
2020	Exposed	Corbin	CORB1	CORB1-25	P	0.75	0.75	1.50
2020	Exposed	Corbin	CORB1	CORB1-25	R	1.39	0.92	2.31
2020	Exposed	Corbin	CORB1	CORB1-50	C	1.75	1.00	2.75
2020	Exposed	Corbin	CORB1	CORB1-50	G	1.69	1.00	2.69
2020	Exposed	Corbin	CORB1	CORB1-50	P	1.75	1.00	2.75
2020	Exposed	Corbin	CORB1	CORB1-50	R	1.63	0.92	2.56
2020	Exposed	Corbin	CORB1	CORB1-75	G	1.36	0.96	2.32
2020	Exposed	Corbin	CORB1	CORB1-75	P	1.67	1.00	2.67
2020	Exposed	Corbin	CORB1	CORB1-75	R	1.52	0.96	2.48
2020	Exposed	Dry (EVO)	DRYE1	DRYE1-0	C	2.00	1.00	3.00
2020	Exposed	Dry (EVO)	DRYE1	DRYE1-0	G	1.51	1.00	2.51
2020	Exposed	Dry (EVO)	DRYE1	DRYE1-0	P	1.58	1.00	2.58
2020	Exposed	Dry (EVO)	DRYE1	DRYE1-0	R	1.96	1.00	2.96
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-25	P	1.92	1.00	2.92
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-25	R	2.00	1.00	3.00
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-50	C	2.00	1.00	3.00
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-50	G	1.92	1.00	2.92
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-50	P	1.65	1.00	2.65
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-50	R	1.80	1.00	2.80
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-75	G	1.65	1.00	2.65
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-75	P	1.43	1.00	2.43
2020	Exposed	Dry (EVO)	DRYE3	DRYE3-75	R	1.76	1.00	2.76
2020	Exposed	Dry (EVO)	DRYE4	DRYE4-25	C	2.00	1.00	3.00
2020	Exposed	Dry (EVO)	DRYE4	DRYE4-25	G	2.00	1.00	3.00
2020	Exposed	Dry (EVO)	DRYE4	DRYE4-25	P	1.88	1.00	2.88
2020	Exposed	Dry (EVO)	DRYE4	DRYE4-25	R	1.96	1.00	2.96
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-25	G	0.00	0.47	0.47
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-25	P	0.00	0.50	0.50
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-25	R	0.00	0.44	0.44
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-50	G	0.00	0.75	0.75
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-50	P	0.00	1.00	1.00
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-50	R	0.00	0.77	0.77

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-75	G	0.00	0.62	0.62
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-75	P	0.00	0.00	0.00
2020	Exposed	Dry (LCO)	DRYL1	DRYL1-75	R	0.00	0.69	0.69
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-25	C	0.00	1.00	1.00
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-25	G	0.00	0.65	0.65
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-25	P	0.00	0.33	0.33
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-25	R	0.00	0.56	0.56
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-50	C	0.00	1.00	1.00
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-50	G	0.00	0.71	0.71
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-50	P	0.00	0.20	0.20
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-50	R	0.00	0.65	0.65
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-75	G	0.00	0.57	0.57
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-75	P	0.00	0.24	0.24
2020	Exposed	Dry (LCO)	DRYL2	DRYL2-75	R	0.00	0.68	0.68
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-25	G	0.00	0.43	0.43
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-25	P	0.00	0.33	0.33
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-25	R	0.00	0.44	0.44
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-50	G	0.00	0.17	0.17
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-50	P	0.00	0.14	0.14
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-50	R	0.00	0.24	0.24
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-75	G	0.00	0.16	0.16
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-75	P	0.00	0.75	0.75
2020	Exposed	Dry (LCO)	DRYL3	DRYL3-75	R	0.00	0.25	0.25
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-25	G	0.00	0.43	0.43
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-25	P	0.00	0.33	0.33
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-25	R	0.00	0.36	0.36
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-50	G	0.00	0.12	0.12
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-50	P	0.00	0.13	0.13
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-50	R	0.00	0.29	0.29
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-75	G	0.00	0.37	0.37
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-75	P	0.00	0.26	0.26
2020	Exposed	Dry (LCO)	DRYL4	DRYL4-75	R	0.00	0.29	0.29
2020	Reference	East Dry	ETRI1	ETRI1-0	C	0.00	0.00	0.00
2020	Reference	East Dry	ETRI1	ETRI1-0	G	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Reference	East Dry	ETRI1	ETRI1-0	P	0.00	0.14	0.14
2020	Reference	East Dry	ETRI1	ETRI1-0	R	0.00	0.00	0.00
2020	Reference	East Dry	ETRI1	ETRI1-50	C	0.00	0.00	0.00
2020	Reference	East Dry	ETRI1	ETRI1-50	G	0.00	0.05	0.05
2020	Reference	East Dry	ETRI1	ETRI1-50	P	0.00	0.00	0.00
2020	Reference	East Dry	ETRI1	ETRI1-50	R	0.00	0.00	0.00
2019	Exposed	Elk	ELKR10	ELKR10-25	G	0.00	0.02	0.02
2019	Exposed	Elk	ELKR10	ELKR10-25	R	0.00	0.00	0.00
2019	Exposed	Elk	ELKR10	ELKR10-50	G	0.00	0.11	0.11
2019	Exposed	Elk	ELKR10	ELKR10-75	G	0.00	0.04	0.04
2019	Exposed	Elk	ELKR12	ELKR12-25	G	0.00	0.06	0.06
2019	Exposed	Elk	ELKR12	ELKR12-25	R	0.00	0.04	0.04
2019	Exposed	Elk	ELKR12	ELKR12-50	G	0.00	0.00	0.00
2019	Exposed	Elk	ELKR12	ELKR12-75	G	0.00	0.11	0.11
2019	Reference	Elk	ELKR15	ELKR15-25	G	0.00	0.00	0.00
2019	Reference	Elk	ELKR15	ELKR15-50	G	0.00	0.00	0.00
2019	Reference	Elk	ELKR15	ELKR15-75	G	0.00	0.00	0.00
2020	Exposed	Elk	ELKR8	ELKR8-25	R	0.00	0.34	0.34
2020	Exposed	Elk	ELKR8	ELKR8-50	G	0.00	0.66	0.66
2020	Exposed	Elk	ELKR8	ELKR8-75	R	0.00	0.25	0.25
2020	Exposed	Elk	ELKR9	ELKR9-25	R	0.00	0.01	0.01
2020	Exposed	Elk	ELKR9	ELKR9-50	R	0.00	0.03	0.03
2020	Exposed	Elk	ELKR9	ELKR9-75	G	0.00	0.21	0.21
2020	Exposed	Elk	ELKR9	ELKR9-75	R	0.00	0.20	0.20
2020	Exposed	Erickson	ERIC1	ERIC1-0	C	2.00	1.00	3.00
2020	Exposed	Erickson	ERIC1	ERIC1-0	G	1.00	1.00	2.00
2020	Exposed	Erickson	ERIC1	ERIC1-0	R	1.83	1.00	2.83
2020	Exposed	Erickson	ERIC1	ERIC1-50	C	1.94	1.00	2.94
2020	Exposed	Erickson	ERIC1	ERIC1-50	R	2.00	1.00	3.00
2020	Exposed	Erickson	ERIC2	ERIC2-0	C	2.00	1.00	3.00
2020	Exposed	Erickson	ERIC2	ERIC2-0	G	1.35	0.94	2.29
2020	Exposed	Erickson	ERIC2	ERIC2-0	R	1.68	0.95	2.63
2020	Exposed	Erickson	ERIC3	ERIC3-0	C	2.00	1.00	3.00
2020	Exposed	Erickson	ERIC3	ERIC3-0	G	1.82	1.00	2.82

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Erickson	ERIC3	ERIC3-0	R	1.80	0.95	2.75
2020	Exposed	Erickson	ERIC4	ERIC4-12.5	C	1.70	1.00	2.70
2020	Exposed	Erickson	ERIC4	ERIC4-12.5	G	1.59	1.00	2.59
2020	Exposed	Erickson	ERIC4	ERIC4-12.5	R	1.73	1.00	2.73
2020	Exposed	Erickson	ERIC4	ERIC4-25	C	1.00	1.00	2.00
2020	Exposed	Erickson	ERIC4	ERIC4-25	G	1.14	0.86	2.00
2020	Exposed	Erickson	ERIC4	ERIC4-25	R	1.35	1.00	2.35
2020	Exposed	Erickson	ERIC4	ERIC4-37.5	C	1.50	1.00	2.50
2020	Exposed	Erickson	ERIC4	ERIC4-37.5	G	0.94	0.94	1.89
2020	Exposed	Erickson	ERIC4	ERIC4-37.5	R	0.96	0.96	1.92
2020	Exposed	Erickson	ERIC4	ERIC4-50	C	2.00	1.00	3.00
2020	Exposed	Erickson	ERIC4	ERIC4-50	G	0.25	0.63	0.88
2020	Exposed	Erickson	ERIC4	ERIC4-50	R	0.62	0.97	1.58
2020	Exposed	Erickson	ERIC4	ERIC4-62.5	C	0.00	1.00	1.00
2020	Exposed	Erickson	ERIC4	ERIC4-62.5	G	0.10	1.00	1.10
2020	Exposed	Erickson	ERIC4	ERIC4-62.5	R	0.10	0.92	1.02
2020	Exposed	Erickson	ERIC4	ERIC4-75	C	0.00	1.00	1.00
2020	Exposed	Erickson	ERIC4	ERIC4-75	G	0.07	0.50	0.57
2020	Exposed	Erickson	ERIC4	ERIC4-75	R	0.00	0.65	0.65
2020	Exposed	Feltham	FELT1	FELT1-25	C	0.00	0.01	0.01
2020	Exposed	Feltham	FELT1	FELT1-25	G	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-50	C	0.00	0.07	0.07
2020	Exposed	Feltham	FELT1	FELT1-50	G	0.00	0.05	0.05
2020	Exposed	Feltham	FELT1	FELT1-50	P	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-50	R	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-75	C	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-75	G	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-75	P	0.00	0.00	0.00
2020	Exposed	Feltham	FELT1	FELT1-75	R	0.00	0.00	0.00
2020	Exposed	Fennelon	FENN1	FENN1-50	G	0.00	0.00	0.00
2020	Exposed	Fish Pond	FPON1	FPON1-25	C	0.00	0.50	0.50
2020	Exposed	Fish Pond	FPON1	FPON1-25	G	0.00	0.67	0.67
2020	Exposed	Fish Pond	FPON1	FPON1-25	P	0.00	0.33	0.33
2020	Exposed	Fish Pond	FPON1	FPON1-25	R	0.00	0.67	0.67

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Fish Pond	FPON1	FPON1-50	G	0.00	0.70	0.70
2020	Exposed	Fish Pond	FPON1	FPON1-50	P	0.00	0.41	0.41
2020	Exposed	Fish Pond	FPON1	FPON1-50	R	0.00	0.56	0.56
2020	Exposed	Fish Pond	FPON1	FPON1-75	G	0.00	0.00	0.00
2020	Exposed	Fish Pond	FPON1	FPON1-75	P	0.00	0.26	0.26
2020	Exposed	Fish Pond	FPON1	FPON1-75	R	0.00	0.50	0.50
2020	Exposed	Fording	FORD1	FORD1-25	G	0.00	0.18	0.18
2020	Exposed	Fording	FORD1	FORD1-25	P	0.00	0.17	0.17
2020	Exposed	Fording	FORD1	FORD1-25	R	0.00	0.00	0.00
2020	Exposed	Fording	FORD1	FORD1-50	G	0.00	0.00	0.00
2020	Exposed	Fording	FORD1	FORD1-50	R	0.00	0.01	0.01
2020	Exposed	Fording	FORD1	FORD1-75	G	0.00	0.12	0.12
2020	Exposed	Fording	FORD1	FORD1-75	R	0.00	0.56	0.56
2020	Exposed	Fording	FORD10	FORD10-25	R	0.21	0.41	0.62
2020	Exposed	Fording	FORD10	FORD10-50	R	0.00	0.35	0.35
2020	Exposed	Fording	FORD10	FORD10-75	C	0.00	0.85	0.85
2020	Exposed	Fording	FORD10	FORD10-75	G	0.00	0.36	0.36
2020	Exposed	Fording	FORD10	FORD10-75	P	0.00	0.67	0.67
2020	Exposed	Fording	FORD10	FORD10-75	R	0.00	0.78	0.78
2020	Exposed	Fording	FORD11	FORD11-25	G	0.00	0.33	0.33
2020	Exposed	Fording	FORD11	FORD11-25	P	0.00	0.43	0.43
2020	Exposed	Fording	FORD11	FORD11-25	R	0.00	0.36	0.36
2020	Exposed	Fording	FORD11	FORD11-50	G	0.00	0.07	0.07
2020	Exposed	Fording	FORD11	FORD11-50	R	0.00	0.28	0.28
2020	Exposed	Fording	FORD11	FORD11-75	G	0.00	0.00	0.00
2020	Reference	Fording	FORD12	FORD12-25	G	0.00	0.10	0.10
2020	Reference	Fording	FORD12	FORD12-25	R	0.00	0.18	0.18
2020	Reference	Fording	FORD12	FORD12-50	C	0.00	0.00	0.00
2020	Reference	Fording	FORD12	FORD12-50	G	0.00	0.31	0.31
2020	Reference	Fording	FORD12	FORD12-50	R	0.00	0.18	0.18
2020	Reference	Fording	FORD12	FORD12-75	G	0.00	0.03	0.03
2020	Reference	Fording	FORD12	FORD12-75	R	0.00	0.12	0.12
2020	Exposed	Fording	FORD2	FORD2-25	G	0.00	0.23	0.23
2020	Exposed	Fording	FORD2	FORD2-25	P	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Fording	FORD2	FORD2-25	R	0.00	0.29	0.29
2020	Exposed	Fording	FORD2	FORD2-50	G	0.05	0.21	0.26
2020	Exposed	Fording	FORD2	FORD2-50	P	0.00	1.00	1.00
2020	Exposed	Fording	FORD2	FORD2-50	R	0.00	0.25	0.25
2020	Exposed	Fording	FORD2	FORD2-75	G	0.00	0.19	0.19
2020	Exposed	Fording	FORD2	FORD2-75	P	0.00	0.22	0.22
2020	Exposed	Fording	FORD2	FORD2-75	R	0.22	0.42	0.63
2020	Exposed	Fording	FORD3	FORD3-25	G	0.20	0.47	0.67
2020	Exposed	Fording	FORD3	FORD3-25	R	0.26	0.81	1.07
2020	Exposed	Fording	FORD3	FORD3-50	G	0.03	0.73	0.76
2020	Exposed	Fording	FORD3	FORD3-75	G	0.37	0.73	1.10
2020	Exposed	Fording	FORD4	FORD4-12.5	R	0.14	0.99	1.13
2020	Exposed	Fording	FORD4	FORD4-50	G	0.00	0.90	0.90
2020	Exposed	Fording	FORD4	FORD4-62.5	G	0.00	0.67	0.67
2020	Exposed	Fording	FORD4	FORD4-62.5	R	0.00	0.57	0.57
2020	Exposed	Fording	FORD4	FORD4-75	G	0.00	0.82	0.82
2020	Exposed	Fording	FORD5	FORD5-12.5	G	0.00	0.74	0.74
2020	Exposed	Fording	FORD5	FORD5-12.5	R	0.00	0.63	0.63
2020	Exposed	Fording	FORD5	FORD5-25	G	0.00	0.61	0.61
2020	Exposed	Fording	FORD5	FORD5-25	R	0.00	0.48	0.48
2020	Exposed	Fording	FORD5	FORD5-50	G	0.00	0.93	0.93
2020	Exposed	Fording	FORD5	FORD5-50	R	0.02	0.95	0.97
2020	Exposed	Fording	FORD5	FORD5-75	G	0.10	0.80	0.90
2020	Exposed	Fording	FORD5	FORD5-75	R	0.17	0.92	1.08
2020	Exposed	Fording	FORD6	FORD6-50	G	0.20	1.00	1.20
2020	Exposed	Fording	FORD6	FORD6-75	G	0.00	0.70	0.70
2020	Exposed	Fording	FORD6	FORD6-75	R	0.00	0.78	0.78
2020	Exposed	Fording	FORD7	FORD7-25	G	0.21	0.97	1.17
2020	Exposed	Fording	FORD7	FORD7-25	P	0.00	1.00	1.00
2020	Exposed	Fording	FORD7	FORD7-25	R	0.40	1.00	1.40
2020	Exposed	Fording	FORD7	FORD7-50	G	0.00	0.81	0.81
2020	Exposed	Fording	FORD7	FORD7-75	G	0.28	1.00	1.28
2020	Exposed	Fording	FORD8	FORD8-25	G	0.00	0.07	0.07
2020	Exposed	Fording	FORD8	FORD8-25	P	0.00	0.64	0.64

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Fording	FORD8	FORD8-50	G	0.00	0.73	0.73
2020	Exposed	Fording	FORD8	FORD8-50	P	0.00	0.00	0.00
2020	Exposed	Fording	FORD8	FORD8-50	R	0.00	1.00	1.00
2020	Exposed	Fording	FORD8	FORD8-75	G	0.00	0.74	0.74
2020	Exposed	Fording	FORD8	FORD8-75	R	0.00	0.92	0.92
2020	Exposed	Fording	FORD9	FORD9-12.5	G	0.00	0.44	0.44
2020	Exposed	Fording	FORD9	FORD9-12.5	P	0.00	0.63	0.63
2020	Exposed	Fording	FORD9	FORD9-12.5	R	0.13	0.81	0.94
2020	Exposed	Fording	FORD9	FORD9-25	G	0.04	0.60	0.65
2020	Exposed	Fording	FORD9	FORD9-25	R	0.27	0.77	1.04
2020	Exposed	Fording	FORD9	FORD9-37.5	G	0.06	0.44	0.50
2020	Exposed	Fording	FORD9	FORD9-37.5	P	0.00	0.50	0.50
2020	Exposed	Fording	FORD9	FORD9-37.5	R	0.15	0.47	0.61
2020	Exposed	Fording	FORD9	FORD9-50	G	0.00	0.22	0.22
2020	Exposed	Fording	FORD9	FORD9-50	R	0.00	0.50	0.50
2020	Exposed	Fording	FORD9	FORD9-62.5	G	0.00	0.36	0.36
2020	Exposed	Fording	FORD9	FORD9-62.5	P	0.00	0.11	0.11
2020	Exposed	Fording	FORD9	FORD9-62.5	R	0.00	0.42	0.42
2020	Exposed	Fording	FORD9	FORD9-75	P	0.00	0.00	0.00
2020	Exposed	Fording	FORD9	FORD9-75	R	0.00	0.07	0.07
2020	Exposed	Gardine	GARD1	GARD1-25	C	0.48	1.00	1.48
2020	Exposed	Gardine	GARD1	GARD1-25	G	0.57	1.00	1.57
2020	Exposed	Gardine	GARD1	GARD1-25	P	0.24	1.00	1.24
2020	Exposed	Gardine	GARD1	GARD1-25	R	0.95	1.00	1.95
2020	Exposed	Gardine	GARD1	GARD1-50	G	0.00	0.12	0.12
2020	Exposed	Gardine	GARD1	GARD1-50	P	0.00	0.00	0.00
2020	Exposed	Gardine	GARD1	GARD1-50	R	0.00	0.16	0.16
2020	Exposed	Gardine	GARD1	GARD1-75	G	0.00	0.00	0.00
2020	Exposed	Gardine	GARD1	GARD1-75	P	0.00	0.04	0.04
2020	Exposed	Gardine	GARD1	GARD1-75	R	0.00	0.02	0.02
2020	Exposed	Gate	GATE2	GATE2-25	G	0.43	0.89	1.31
2020	Exposed	Gate	GATE2	GATE2-25	P	0.00	0.50	0.50
2020	Exposed	Gate	GATE2	GATE2-25	R	0.45	0.88	1.33
2020	Exposed	Gate	GATE2	GATE2-50	C	1.00	0.88	1.88

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Gate	GATE2	GATE2-50	G	0.90	0.90	1.80
2020	Exposed	Gate	GATE2	GATE2-50	P	1.33	1.00	2.33
2020	Exposed	Gate	GATE2	GATE2-50	R	0.67	0.67	1.33
2020	Exposed	Gate	GATE2	GATE2-75	C	0.81	0.88	1.69
2020	Exposed	Gate	GATE2	GATE2-75	P	0.00	0.75	0.75
2020	Exposed	Goddard	GODD1	GODD1-0	G	0.00	0.23	0.23
2020	Exposed	Goddard	GODD1	GODD1-0	R	0.00	0.09	0.09
2020	Exposed	Goddard	GODD2	GODD2-25	C	0.18	0.52	0.70
2020	Exposed	Goddard	GODD2	GODD2-25	G	0.00	0.75	0.75
2020	Exposed	Goddard	GODD2	GODD2-25	P	0.00	0.00	0.00
2020	Exposed	Goddard	GODD2	GODD2-25	R	0.65	0.85	1.50
2020	Exposed	Goddard	GODD2	GODD2-50	C	1.96	1.00	2.96
2020	Exposed	Goddard	GODD2	GODD2-75	C	1.73	0.88	2.61
2020	Exposed	Goddard	GODD2	GODD2-75	G	1.00	0.80	1.80
2020	Exposed	Goddard	GODD2	GODD2-75	P	0.00	0.00	0.00
2020	Exposed	Goddard	GODD3	GODD3-25	C	1.71	0.94	2.65
2020	Exposed	Goddard	GODD3	GODD3-25	G	1.00	0.57	1.57
2020	Exposed	Goddard	GODD3	GODD3-25	R	1.50	0.75	2.25
2020	Exposed	Goddard	GODD3	GODD3-50	C	1.48	0.89	2.38
2020	Exposed	Goddard	GODD3	GODD3-50	R	1.67	0.89	2.56
2020	Exposed	Goddard	GODD3	GODD3-75	C	1.72	0.92	2.64
2020	Reference	Grace	GRAC1	GRAC1-25	C	0.00	0.00	0.00
2020	Reference	Grace	GRAC1	GRAC1-25	G	0.00	0.20	0.20
2020	Reference	Grace	GRAC1	GRAC1-25	P	0.00	0.00	0.00
2020	Reference	Grace	GRAC1	GRAC1-25	R	0.06	0.31	0.38
2020	Reference	Grace	GRAC1	GRAC1-50	C	0.00	0.00	0.00
2020	Reference	Grace	GRAC1	GRAC1-50	G	0.00	0.34	0.34
2020	Reference	Grace	GRAC1	GRAC1-50	P	0.00	0.25	0.25
2020	Reference	Grace	GRAC1	GRAC1-50	R	0.00	0.52	0.52
2020	Reference	Grace	GRAC1	GRAC1-75	C	0.00	0.33	0.33
2020	Reference	Grace	GRAC1	GRAC1-75	G	0.00	0.11	0.11
2020	Reference	Grace	GRAC1	GRAC1-75	P	0.00	0.00	0.00
2020	Reference	Grace	GRAC1	GRAC1-75	R	0.00	0.16	0.16
2020	Exposed	Grassy	GRAS1	GRAS1-25	G	0.03	0.23	0.25

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Grassy	GRAS1	GRAS1-25	R	0.07	0.69	0.76
2020	Exposed	Grassy	GRAS1	GRAS1-50	G	0.00	0.01	0.01
2020	Exposed	Grassy	GRAS1	GRAS1-75	G	0.01	0.08	0.09
2020	Exposed	Grassy	GRAS1	GRAS1-75	R	0.00	1.00	1.00
2020	Exposed	Grave	GRAV1	GRAV1-25	C	0.00	0.33	0.33
2020	Exposed	Grave	GRAV1	GRAV1-25	G	0.03	0.18	0.21
2020	Exposed	Grave	GRAV1	GRAV1-25	P	0.00	0.00	0.00
2020	Exposed	Grave	GRAV1	GRAV1-25	R	0.00	0.27	0.27
2020	Exposed	Grave	GRAV1	GRAV1-50	C	0.00	0.33	0.33
2020	Exposed	Grave	GRAV1	GRAV1-50	G	0.00	0.38	0.38
2020	Exposed	Grave	GRAV1	GRAV1-50	P	0.00	0.00	0.00
2020	Exposed	Grave	GRAV1	GRAV1-50	R	0.04	0.38	0.42
2020	Exposed	Grave	GRAV1	GRAV1-75	C	0.00	0.28	0.28
2020	Exposed	Grave	GRAV1	GRAV1-75	G	0.00	0.17	0.17
2020	Exposed	Grave	GRAV1	GRAV1-75	P	0.00	0.00	0.00
2020	Exposed	Grave	GRAV1	GRAV1-75	R	0.00	0.29	0.29
2020	Reference	Grave	GRAV3	GRAV3-25	C	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-25	G	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-25	R	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-50	G	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-50	P	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-50	R	0.00	0.00	0.00
2020	Reference	Grave	GRAV3	GRAV3-75	G	0.00	0.02	0.02
2020	Reference	Grave	GRAV3	GRAV3-75	R	0.00	0.02	0.02
2020	Exposed	Greenhills	GREE1	GREE1-25	G	0.00	0.38	0.38
2020	Exposed	Greenhills	GREE1	GREE1-25	R	0.00	1.00	1.00
2020	Exposed	Greenhills	GREE1	GREE1-50	G	0.00	0.11	0.11
2020	Exposed	Greenhills	GREE1	GREE1-50	R	0.00	0.11	0.11
2020	Exposed	Greenhills	GREE1	GREE1-75	G	0.27	0.95	1.22
2020	Exposed	Greenhills	GREE1	GREE1-75	P	0.00	1.00	1.00
2020	Exposed	Greenhills	GREE1	GREE1-75	R	0.50	0.95	1.45
2020	Exposed	Greenhills	GREE3	GREE3-12.5	P	1.70	1.00	2.70
2020	Exposed	Greenhills	GREE3	GREE3-12.5	R	1.56	1.00	2.56
2020	Exposed	Greenhills	GREE3	GREE3-25	G	1.45	1.00	2.45

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Greenhills	GREE3	GREE3-25	P	1.82	1.00	2.82
2020	Exposed	Greenhills	GREE3	GREE3-25	R	1.47	1.00	2.47
2020	Exposed	Greenhills	GREE3	GREE3-37.5	C	1.82	1.00	2.82
2020	Exposed	Greenhills	GREE3	GREE3-37.5	G	1.63	1.00	2.63
2020	Exposed	Greenhills	GREE3	GREE3-37.5	P	1.47	0.97	2.43
2020	Exposed	Greenhills	GREE3	GREE3-37.5	R	1.67	1.00	2.67
2020	Exposed	Greenhills	GREE3	GREE3-50	C	1.71	1.00	2.71
2020	Exposed	Greenhills	GREE3	GREE3-50	G	1.67	1.00	2.67
2020	Exposed	Greenhills	GREE3	GREE3-50	P	1.27	1.00	2.27
2020	Exposed	Greenhills	GREE3	GREE3-50	R	1.60	1.00	2.60
2020	Exposed	Greenhills	GREE3	GREE3-62.5	C	1.29	1.00	2.29
2020	Exposed	Greenhills	GREE3	GREE3-62.5	G	1.69	1.00	2.69
2020	Exposed	Greenhills	GREE3	GREE3-62.5	P	1.11	0.95	2.05
2020	Exposed	Greenhills	GREE3	GREE3-62.5	R	1.75	1.00	2.75
2020	Exposed	Greenhills	GREE3	GREE3-75	C	1.50	1.00	2.50
2020	Exposed	Greenhills	GREE3	GREE3-75	G	1.70	1.00	2.70
2020	Exposed	Greenhills	GREE3	GREE3-75	P	1.50	1.00	2.50
2020	Exposed	Greenhills	GREE3	GREE3-75	R	1.61	1.00	2.61
2020	Exposed	Greenhills	GREE4	GREE4-25	G	1.93	1.00	2.93
2020	Exposed	Greenhills	GREE4	GREE4-25	P	1.96	1.00	2.96
2020	Exposed	Greenhills	GREE4	GREE4-25	R	1.90	1.00	2.90
2020	Exposed	Greenhills	GREE4	GREE4-50	C	1.92	1.00	2.92
2020	Exposed	Greenhills	GREE4	GREE4-50	G	1.94	1.00	2.94
2020	Exposed	Greenhills	GREE4	GREE4-50	P	1.79	1.00	2.79
2020	Exposed	Greenhills	GREE4	GREE4-50	R	1.50	1.00	2.50
2020	Exposed	Greenhills	GREE4	GREE4-75		1.76	0.98	2.74
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-25	G	0.00	0.93	0.93
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-25	P	0.00	0.43	0.43
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-25	R	0.00	0.95	0.95
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-50	G	0.00	0.37	0.37
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-50	P	0.00	0.18	0.18
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-50	R	0.00	1.00	1.00
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-75	G	0.00	0.05	0.05
2020	Exposed	Greenhouse side channel	GSCH1	GSCH1-75	R	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Harmer	HARM1	HARM1-25	G	0.13	0.88	1.00
2020	Exposed	Harmer	HARM1	HARM1-25	R	0.02	0.74	0.76
2020	Exposed	Harmer	HARM1	HARM1-50	C	0.00	0.80	0.80
2020	Exposed	Harmer	HARM1	HARM1-50	G	0.04	0.92	0.96
2020	Exposed	Harmer	HARM1	HARM1-50	R	0.03	0.90	0.93
2020	Exposed	Harmer	HARM1	HARM1-75	C	0.00	0.50	0.50
2020	Exposed	Harmer	HARM1	HARM1-75	G	0.03	0.94	0.97
2020	Exposed	Harmer	HARM1	HARM1-75	P	0.00	0.50	0.50
2020	Exposed	Harmer	HARM1	HARM1-75	R	0.02	0.98	1.00
2020	Exposed	Harmer	HARM3	HARM3-25	C	0.00	0.20	0.20
2020	Exposed	Harmer	HARM3	HARM3-25	G	0.00	0.12	0.12
2020	Exposed	Harmer	HARM3	HARM3-25	R	0.00	0.20	0.20
2020	Exposed	Harmer	HARM3	HARM3-50	C	0.00	0.00	0.00
2020	Exposed	Harmer	HARM3	HARM3-50	G	0.00	0.05	0.05
2020	Exposed	Harmer	HARM3	HARM3-50	P	0.00	0.00	0.00
2020	Exposed	Harmer	HARM3	HARM3-50	R	0.00	0.07	0.07
2020	Exposed	Harmer	HARM3	HARM3-75	G	0.00	0.17	0.17
2020	Exposed	Harmer	HARM3	HARM3-75	P	0.00	0.17	0.17
2020	Exposed	Harmer	HARM3	HARM3-75	R	0.00	0.09	0.09
2020	Exposed	Henretta	HENR1	HENR1-25	G	0.22	0.96	1.18
2020	Exposed	Henretta	HENR1	HENR1-25	P	0.60	1.00	1.60
2020	Exposed	Henretta	HENR1	HENR1-25	R	0.18	1.00	1.18
2020	Exposed	Henretta	HENR1	HENR1-50	C	0.00	0.47	0.47
2020	Exposed	Henretta	HENR1	HENR1-50	G	0.00	0.43	0.43
2020	Exposed	Henretta	HENR1	HENR1-50	P	0.00	0.30	0.30
2020	Exposed	Henretta	HENR1	HENR1-50	R	0.00	0.40	0.40
2020	Exposed	Henretta	HENR1	HENR1-75	G	0.00	0.34	0.34
2020	Exposed	Henretta	HENR1	HENR1-75	P	0.00	0.42	0.42
2020	Exposed	Henretta	HENR1	HENR1-75	R	0.00	0.51	0.51
2020	Reference	Henretta	HENR3	HENR3-25	C	0.00	0.50	0.50
2020	Reference	Henretta	HENR3	HENR3-25	G	0.00	0.58	0.58
2020	Reference	Henretta	HENR3	HENR3-25	P	0.00	0.11	0.11
2020	Reference	Henretta	HENR3	HENR3-25	R	0.00	0.80	0.80
2020	Reference	Henretta	HENR3	HENR3-50	C	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Reference	Henretta	HENR3	HENR3-50	G	0.00	0.00	0.00
2020	Reference	Henretta	HENR3	HENR3-50	P	0.00	0.29	0.29
2020	Reference	Henretta	HENR3	HENR3-50	R	0.00	0.00	0.00
2020	Reference	Henretta	HENR3	HENR3-75	C	0.00	0.00	0.00
2020	Reference	Henretta	HENR3	HENR3-75	G	0.00	0.00	0.00
2020	Reference	Henretta	HENR3	HENR3-75	P	0.00	0.00	0.00
2020	Reference	Henretta	HENR3	HENR3-75	R	0.00	0.00	0.00
2020	Exposed	Kilmarnock	KILM1	KILM1-25	R	1.81	1.00	2.81
2020	Exposed	Kilmarnock	KILM1	KILM1-50	G	1.79	0.97	2.76
2020	Exposed	Kilmarnock	KILM1	KILM1-50	R	1.97	1.00	2.97
2020	Exposed	Kilmarnock	KILM1	KILM1-75	G	1.38	0.73	2.11
2020	Exposed	Kilmarnock	KILM1	KILM1-75	R	0.95	0.49	1.44
2020	Exposed	Lake Mountain	LMOU1	LMOU1-0	G	0.00	0.25	0.25
2020	Exposed	Lake Mountain	LMOU1	LMOU1-0	R	0.00	0.66	0.66
2020	Exposed	Leask	LEAS2	LEAS2-18.2		1.59	1.00	2.59
2020	Exposed	Leask	LEAS2	LEAS2-25		1.46	0.99	2.45
2020	Exposed	Leask	LEAS2	LEAS2-9.1		1.33	1.00	2.33
2020	Exposed	Lindsay	LIND1	LIND1-25	C	0.00	0.28	0.28
2020	Exposed	Lindsay	LIND1	LIND1-50	C	0.00	0.03	0.03
2020	Exposed	Lindsay	LIND1	LIND1-50	R	0.00	0.50	0.50
2020	Exposed	Lindsay	LIND1	LIND1-75	C	0.00	0.00	0.00
2020	Exposed	Lindsay	LIND1	LIND1-75	G	0.00	0.00	0.00
2020	Exposed	Lindsay	LIND1	LIND1-75	R	0.00	0.00	0.00
2020	Exposed	Line	LINE1	LINE1-25	G	0.00	0.70	0.70
2020	Exposed	Line	LINE1	LINE1-25	P	0.00	0.50	0.50
2020	Exposed	Line	LINE1	LINE1-25	R	0.00	0.82	0.82
2020	Exposed	Line	LINE1	LINE1-50	G	0.00	0.81	0.81
2020	Exposed	Line	LINE1	LINE1-50	P	0.00	1.00	1.00
2020	Exposed	Line	LINE1	LINE1-50	R	0.00	0.76	0.76
2020	Exposed	Line	LINE1	LINE1-75	G	0.00	0.78	0.78
2020	Exposed	Line	LINE1	LINE1-75	P	0.00	1.00	1.00
2020	Exposed	Line	LINE1	LINE1-75	R	0.00	0.65	0.65
2020	Exposed	Line	LINE2	LINE2-25	C	0.00	0.73	0.73
2020	Exposed	Line	LINE2	LINE2-25	G	0.00	0.42	0.42

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Line	LINE2	LINE2-25	P	0.00	1.00	1.00
2020	Exposed	Line	LINE2	LINE2-25	R	0.00	0.61	0.61
2020	Exposed	Line	LINE2	LINE2-50	G	0.00	0.54	0.54
2020	Exposed	Line	LINE2	LINE2-50	P	0.20	0.80	1.00
2020	Exposed	Line	LINE2	LINE2-50	R	0.00	0.64	0.64
2020	Exposed	Line	LINE2	LINE2-75	C	0.00	0.00	0.00
2020	Exposed	Line	LINE2	LINE2-75	G	0.00	0.25	0.25
2020	Exposed	Line	LINE2	LINE2-75	P	0.00	0.33	0.33
2020	Exposed	Line	LINE2	LINE2-75	R	0.00	0.55	0.55
2020	Exposed	Line	LINE3	LINE3-25	C	0.00	0.75	0.75
2020	Exposed	Line	LINE3	LINE3-25	G	0.00	0.38	0.38
2020	Exposed	Line	LINE3	LINE3-25	P	0.00	0.60	0.60
2020	Exposed	Line	LINE3	LINE3-25	R	0.00	0.43	0.43
2020	Exposed	Line	LINE3	LINE3-50	G	0.00	0.57	0.57
2020	Exposed	Line	LINE3	LINE3-50	R	0.00	0.81	0.81
2020	Exposed	Line	LINE3	LINE3-75	R	0.00	0.39	0.39
2020	Exposed	Line	LINE4	LINE4-25	G	0.00	0.73	0.73
2020	Exposed	Line	LINE4	LINE4-25	R	0.00	0.89	0.89
2020	Exposed	Line	LINE4	LINE4-50	R	0.00	0.62	0.62
2020	Exposed	Line	LINE4	LINE4-75	G	0.00	0.65	0.65
2020	Exposed	Line	LINE4	LINE4-75	P	0.00	0.62	0.62
2020	Exposed	Line	LINE4	LINE4-75	R	0.00	0.64	0.64
2020	Exposed	Michel	MICH1	MICH1-25	G	0.00	0.00	0.00
2020	Exposed	Michel	MICH1	MICH1-25	R	0.00	0.17	0.17
2020	Exposed	Michel	MICH1	MICH1-50	R	0.00	0.12	0.12
2020	Exposed	Michel	MICH1	MICH1-75	G	0.00	0.07	0.07
2020	Exposed	Michel	MICH1	MICH1-75	R	0.00	0.09	0.09
2020	Exposed	Michel	MICH2	MICH2-25	G	0.00	0.78	0.78
2020	Exposed	Michel	MICH2	MICH2-50		0.00	0.83	0.83
2020	Exposed	Michel	MICH2	MICH2-75	R	0.00	0.75	0.75
2020	Exposed	Michel	MICH3	MICH3-25	R	0.00	0.38	0.38
2020	Exposed	Michel	MICH3	MICH3-50	G	0.00	0.68	0.68
2020	Exposed	Michel	MICH3	MICH3-50	R	0.00	0.24	0.24
2020	Exposed	Michel	MICH3	MICH3-75	G	0.00	0.34	0.34

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Michel	MICH3	MICH3-75	R	0.00	0.48	0.48
2020	Exposed	Michel	MICH4	MICH4-25	G	0.00	0.02	0.02
2020	Exposed	Michel	MICH4	MICH4-25	P	0.00	0.00	0.00
2020	Exposed	Michel	MICH4	MICH4-50		0.00	0.05	0.05
2020	Exposed	Michel	MICH4	MICH4-75		0.00	0.07	0.07
2020	Reference	Michel	MICH5	MICH5-25	G	0.00	0.20	0.20
2020	Reference	Michel	MICH5	MICH5-25	R	0.00	0.02	0.02
2020	Reference	Michel	MICH5	MICH5-50	G	0.00	0.04	0.04
2020	Reference	Michel	MICH5	MICH5-50	R	0.00	0.02	0.02
2020	Reference	Michel	MICH5	MICH5-75	P	0.00	0.00	0.00
2020	Reference	Michel	MICH5	MICH5-75	R	0.00	0.03	0.03
2020	Exposed	Mickelson	MICK1	MICK1-75	P	0.00	0.50	0.50
2020	Exposed	Mickelson	MICK1	MICK1-75	R	0.40	0.91	1.31
2020	Exposed	Mickelson	MICK1	MICK1-87.5	R	0.37	0.78	1.15
2020	Exposed	Milligan	MILL1	MILL1-0	G	0.58	0.71	1.29
2020	Exposed	Milligan	MILL1	MILL1-0	R	0.44	0.92	1.37
2020	Exposed	North Thompson	NTHO1	NTHO1-12.5	C	1.13	0.87	2.00
2020	Exposed	North Thompson	NTHO1	NTHO1-12.5	G	1.37	0.80	2.17
2020	Exposed	North Thompson	NTHO1	NTHO1-12.5	R	1.33	0.67	2.00
2020	Exposed	North Thompson	NTHO1	NTHO1-25	C	0.60	1.00	1.60
2020	Exposed	North Thompson	NTHO1	NTHO1-25	G	1.24	0.77	2.01
2020	Exposed	North Thompson	NTHO1	NTHO1-25	P	1.00	0.75	1.75
2020	Exposed	North Thompson	NTHO1	NTHO1-37.5	R	1.30	0.79	2.09
2020	Exposed	North Thompson	NTHO1	NTHO1-50	R	1.27	0.90	2.17
2020	Exposed	North Thompson	NTHO1	NTHO1-62.5	R	1.15	0.96	2.11
2020	Exposed	North Thompson	NTHO1	NTHO1-75	R	0.50	0.99	1.49
2020	Exposed	North Willow	WILN2	WILN2-25	R	0.00	0.00	0.00
2020	Exposed	North Willow	WILN2	WILN2-50	R	0.00	0.04	0.04
2020	Exposed	North Wolfram	NWOL1	NWOL1-25	C	1.75	1.00	2.75
2020	Exposed	North Wolfram	NWOL1	NWOL1-25	G	1.61	1.00	2.61
2020	Exposed	North Wolfram	NWOL1	NWOL1-25	R	1.79	1.00	2.79
2020	Exposed	Otto	OTTO1	OTTO1-0	G	0.00	0.39	0.39
2020	Exposed	Otto	OTTO1	OTTO1-0	P	0.00	0.53	0.53
2020	Exposed	Otto	OTTO1	OTTO1-0	R	0.00	0.47	0.47

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Porter	PORT1	PORT1-0	R	0.00	0.98	0.98
2020	Exposed	Porter	PORT3a	PORT3a-12.5	C	0.00	0.39	0.39
2020	Exposed	Porter	PORT3a	PORT3a-12.5	R	0.00	0.20	0.20
2020	Exposed	Porter	PORT3a	PORT3a-25	C	0.01	0.81	0.82
2020	Exposed	Porter	PORT3a	PORT3a-37.5	C	0.00	0.28	0.28
2020	Exposed	Porter	PORT3b	PORT3b-50	C	1.22	0.85	2.07
2020	Exposed	Porter	PORT3b	PORT3b-50	G	1.50	1.00	2.50
2020	Exposed	Porter	PORT3b	PORT3b-50	P	0.96	0.71	1.67
2020	Exposed	Porter	PORT3b	PORT3b-62.5	C	1.85	1.00	2.85
2020	Exposed	Porter	PORT3b	PORT3b-62.5	P	1.62	1.00	2.62
2020	Exposed	Porter	PORT3b	PORT3b-75	C	1.95	1.00	2.95
2020	Exposed	Porter	PORT3b	PORT3b-75	P	1.50	1.00	2.50
2020	Exposed	Sawmill	SAWM1	SAWM1-0	C	0.00	0.00	0.00
2020	Exposed	Sawmill	SAWM1	SAWM1-0	G	0.00	0.11	0.11
2020	Exposed	Sawmill	SAWM1	SAWM1-0	P	0.00	0.00	0.00
2020	Exposed	Sawmill	SAWM1	SAWM1-0	R	0.00	0.08	0.08
2020	Exposed	Sawmill	SAWM1	SAWM1-50	C	0.00	0.00	0.00
2020	Exposed	Sawmill	SAWM1	SAWM1-50	G	0.00	0.00	0.00
2020	Exposed	Sawmill	SAWM1	SAWM1-50	P	0.00	0.00	0.00
2020	Exposed	Sawmill	SAWM1	SAWM1-50	R	0.00	0.02	0.02
2020	Exposed	Site18	SITE	SITE-18	R	1.97	1.00	2.97
2020	Exposed	Six Mile	SIXM1	SIXM1-25	G	0.09	0.98	1.07
2020	Exposed	Six Mile	SIXM1	SIXM1-25	P	0.20	1.00	1.20
2020	Exposed	Six Mile	SIXM1	SIXM1-25	R	0.02	0.98	1.00
2020	Exposed	Six Mile	SIXM1	SIXM1-50	C	0.00	0.67	0.67
2020	Exposed	Six Mile	SIXM1	SIXM1-50	G	0.00	0.85	0.85
2020	Exposed	Six Mile	SIXM1	SIXM1-50	P	0.00	0.33	0.33
2020	Exposed	Six Mile	SIXM1	SIXM1-50	R	0.00	0.75	0.75
2020	Exposed	Six Mile	SIXM1	SIXM1-75	G	0.00	0.94	0.94
2020	Exposed	Six Mile	SIXM1	SIXM1-75	P	0.00	1.00	1.00
2020	Exposed	Six Mile	SIXM1	SIXM1-75	R	0.00	1.00	1.00
2020	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	G	1.02	1.00	2.02
2020	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	R	1.00	1.00	2.00
2020	Reference	South Line	SLINE2	SLINE2-25	R	0.00	0.11	0.11

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Reference	South Line	SLINE2	SLINE2-50	G	0.00	0.02	0.02
2020	Reference	South Line	SLINE2	SLINE2-50	R	0.00	0.04	0.04
2020	Reference	South Line	SLINE2	SLINE2-75	R	0.00	0.02	0.02
2020	Exposed	South Pit	SPIT1	SPIT1-0	G	1.08	0.92	2.00
2020	Exposed	South Pit	SPIT1	SPIT1-0	R	1.77	1.00	2.77
2020	Exposed	SouthWolfram	SWOL1	SWOL1-16	C	2.00	1.00	3.00
2020	Exposed	SouthWolfram	SWOL1	SWOL1-16	G	1.73	1.00	2.73
2020	Exposed	SouthWolfram	SWOL1	SWOL1-16	P	1.88	1.00	2.88
2020	Exposed	SouthWolfram	SWOL1	SWOL1-16	R	1.96	1.00	2.96
2020	Exposed	SouthWolfram	SWOL1	SWOL1-25	C	2.00	1.00	3.00
2020	Exposed	SouthWolfram	SWOL1	SWOL1-25	G	1.35	0.85	2.20
2020	Exposed	SouthWolfram	SWOL1	SWOL1-25	P	1.50	0.94	2.44
2020	Exposed	SouthWolfram	SWOL1	SWOL1-25	R	1.78	0.97	2.75
2020	Exposed	SouthWolfram	SWOL1	SWOL1-32.1	C	1.88	1.00	2.88
2020	Exposed	SouthWolfram	SWOL1	SWOL1-32.1	G	1.53	1.00	2.53
2020	Exposed	SouthWolfram	SWOL1	SWOL1-32.1	P	1.20	0.90	2.10
2020	Exposed	SouthWolfram	SWOL1	SWOL1-32.1	R	1.86	1.00	2.86
2020	Exposed	SouthWolfram	SWOL1	SWOL1-7.5	C	1.75	1.00	2.75
2020	Exposed	SouthWolfram	SWOL1	SWOL1-7.5	G	0.69	0.69	1.37
2020	Exposed	SouthWolfram	SWOL1	SWOL1-7.5	P	0.57	0.57	1.14
2020	Exposed	SouthWolfram	SWOL1	SWOL1-7.5	R	1.77	0.95	2.72
2020	Exposed	Spring	SPRI1	SPRI1-0	G	0.00	0.04	0.04
2020	Reference	Stream 02	STR02	STR02-50		0.00	0.02	0.02
2020	Exposed	Thompson	THOM2	THOM2-25		0.05	0.78	0.83
2020	Exposed	Thompson	THOM2	THOM2-50		0.00	0.52	0.52
2020	Exposed	Thompson	THOM2	THOM2-75		0.12	0.94	1.06
2020	Exposed	Thompson	THOM3	THOM3-12.5		0.74	1.00	1.74
2020	Exposed	Thompson	THOM3	THOM3-25		1.10	1.00	2.10
2020	Exposed	Thompson	THOM3	THOM3-37.5	C	0.75	1.00	1.75
2020	Exposed	Thompson	THOM3	THOM3-37.5	G	0.06	0.73	0.79
2020	Exposed	Thompson	THOM3	THOM3-37.5	P	0.00	0.00	0.00
2020	Exposed	Thompson	THOM3	THOM3-37.5	R	0.26	0.91	1.17
2020	Exposed	Thompson	THOM3	THOM3-50	C	0.00	0.90	0.90
2020	Exposed	Thompson	THOM3	THOM3-50	G	0.11	0.70	0.81

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Thompson	THOM3	THOM3-50	P	0.00	0.40	0.40
2020	Exposed	Thompson	THOM3	THOM3-50	R	0.09	0.78	0.87
2020	Exposed	Thompson	THOM3	THOM3-62.5	C	0.35	0.96	1.30
2020	Exposed	Thompson	THOM3	THOM3-62.5	G	0.20	0.93	1.13
2020	Exposed	Thompson	THOM3	THOM3-62.5	P	0.00	1.00	1.00
2020	Exposed	Thompson	THOM3	THOM3-62.5	R	0.00	1.00	1.00
2020	Exposed	Thompson	THOM3	THOM3-75	C	0.03	0.95	0.98
2020	Exposed	Thompson	THOM3	THOM3-75	G	0.13	0.85	0.98
2020	Exposed	Thompson	THOM3	THOM3-75	P	0.00	0.63	0.63
2020	Exposed	Thompson	THOM3	THOM3-75	R	0.00	1.00	1.00
2020	Exposed	Thompson	THOM4	THOM4-25	C	0.00	0.19	0.19
2020	Exposed	Thompson	THOM4	THOM4-25	G	0.00	0.47	0.47
2020	Exposed	Thompson	THOM4	THOM4-25	P	0.00	0.00	0.00
2020	Exposed	Thompson	THOM4	THOM4-25	R	0.00	0.20	0.20
2020	Exposed	Thompson	THOM4	THOM4-50	C	0.00	1.00	1.00
2020	Exposed	Thompson	THOM4	THOM4-50	G	0.00	0.14	0.14
2020	Exposed	Thompson	THOM4	THOM4-50	P	0.00	0.00	0.00
2020	Exposed	Thompson	THOM4	THOM4-50	R	0.00	0.11	0.11
2020	Exposed	Thompson	THOM4	THOM4-75	G	0.00	0.05	0.05
2020	Exposed	Thompson	THOM4	THOM4-75	P	0.00	0.00	0.00
2020	Exposed	Thompson	THOM4	THOM4-75	R	0.00	0.13	0.13
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	G	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	P	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	R	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	C	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	G	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	P	0.00	0.00	0.00
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	R	0.00	0.00	0.00

	Type	Stream	Reach	Site	Habitat type	Calcite concretion	Calcite presence	Calcite index
2020	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-75	C	0.00	0.00	0.00
2020	Exposed	Upper Thompson	UTHO1	UTHO1-25	G	0.23	0.91	1.14
2020	Exposed	Upper Thompson	UTHO1	UTHO1-50	G	0.00	0.76	0.76
2020	Exposed	Upper Thompson	UTHO1	UTHO1-75	C	1.38	0.95	2.33
2020	Exposed	Upper Thompson	UTHO1	UTHO1-75	G	0.31	0.95	1.26
2020	Exposed	Upper Thompson	UTHO1	UTHO1-75	P	0.75	0.88	1.63
2020	Exposed	Upper Thompson	UTHO1	UTHO1-75	R	0.78	1.00	1.78
2020	Exposed	Upper Thompson Pond Outlet	UTPO1	UTPO1-0	G	0.12	0.40	0.52
2020	Exposed	Wolf	WOL1	WOL1-25	R	0.00	0.01	0.01
2020	Exposed	Wolf	WOL1	WOL1-50	R	0.00	0.00	0.00
2020	Exposed	Wolfram	WOLF2	WOLF2-75	G	0.74	0.74	1.49
2020	Exposed	Wolfram	WOLF2	WOLF2-75	R	2.00	1.00	3.00
2020	Exposed	Wolfram	WOLF3	WOLF3-25	R	1.94	1.00	2.94
2020	Exposed	Wolfram	WOLF3	WOLF3-50	C	1.88	1.00	2.88
2020	Exposed	Wolfram	WOLF3	WOLF3-50	R	1.98	1.00	2.98
2020	Exposed	Wolfram	WOLF3	WOLF3-75	C	2.00	1.00	3.00
2020	Exposed	Wolfram	WOLF3	WOLF3-75	P	2.00	1.00	3.00
2020	Exposed	Wolfram	WOLF3	WOLF3-75	R	1.93	1.00	2.93

Habitat types	
R	Riffle
G	Glide
P	Pool
C	Cascade

Appendix 17. Calcite presence (Cp) and new calcite presence (Cp'), and associated calcite indices.

Reach-based Cp' and Cp.

Type	Stream	Reach	Number of Sites	Cp'	Cp	CI'	CI
Reference	Alexander	ALEX3	3	0.07	0.41	0.07	0.41
Reference	Andy Good	ANDY1	3	0.00	0.00	0.00	0.00
Exposed	Aqueduct	AQUE1	1	0.00	0.00	0.00	0.00
Exposed	Balmer	BALM1	3	0.00	0.01	0.00	0.01
Exposed	Bodie	BODI1	3	0.61	0.65	1.07	1.10
Exposed	Bodie	BODI3	3	0.95	0.99	2.58	2.62
Reference	Chauncey	CHAU1	3	0.03	0.21	0.03	0.21
Exposed	Clode Pond Outlet	COUT1	1	0.49	0.87	0.78	1.16
Exposed	Clode West Infiltration	CLOW1	2	0.27	0.76	0.27	0.76
Exposed	Corbin	CORB1	3	0.87	0.95	2.37	2.45
Exposed	Dry (EVO)	DRYE1	1	1.00	1.00	2.67	2.67
Exposed	Dry (EVO)	DRYE3	3	0.99	1.00	2.82	2.82
Exposed	Dry (EVO)	DRYE4	1	1.00	1.00	2.94	2.94
Exposed	Dry (LCO)	DRYL1	3	0.16	0.62	0.16	0.62
Exposed	Dry (LCO)	DRYL2	3	0.17	0.60	0.17	0.60
Exposed	Dry (LCO)	DRYL3	3	0.07	0.29	0.07	0.29
Exposed	Dry (LCO)	DRYL4	3	0.06	0.30	0.06	0.30
Exposed	East Dry	ETRI1	2	0.00	0.02	0.00	0.02
Exposed	Elk	ELKR10	2	0.03	0.05	0.03	0.05
Exposed	Elk	ELKR12	2	0.01	0.05	0.01	0.05
Reference	Elk	ELKR15	3	0.00	0.00	0.00	0.00
Exposed	Elk	ELKR8	3	0.08	0.42	0.08	0.42
Exposed	Elk	ELKR9	3	0.01	0.08	0.01	0.08
Exposed	Erickson	ERIC1	2	0.99	1.00	2.90	2.92
Exposed	Erickson	ERIC2	1	0.89	0.95	2.51	2.57
Exposed	Erickson	ERIC3	1	0.99	0.99	2.91	2.91
Exposed	Erickson	ERIC4	6	0.69	0.90	1.46	1.68
Exposed	Feltham	FELT1	3	0.00	0.01	0.00	0.01
Exposed	Fennelon	FENN1	1	0.00	0.00	0.00	0.00
Exposed	Fish Pond	FPON1	3	0.14	0.48	0.14	0.48
Exposed	Fording	FORD1	3	0.05	0.14	0.05	0.14
Exposed	Fording	FORD10	3	0.19	0.45	0.26	0.52
Exposed	Fording	FORD11	3	0.06	0.18	0.06	0.18
Reference	Fording	FORD12	3	0.04	0.15	0.04	0.15
Exposed	Fording	FORD2	3	0.13	0.28	0.19	0.34

Type	Stream	Reach	Number of Sites	Cp'	Cp	CI'	CI
Exposed	Fording	FORD3	3	0.40	0.74	0.62	0.96
Exposed	Fording	FORD4	4	0.39	0.84	0.42	0.88
Exposed	Fording	FORD5	4	0.39	0.76	0.42	0.79
Exposed	Fording	FORD6	2	0.44	0.86	0.54	0.96
Exposed	Fording	FORD7	3	0.64	0.93	0.80	1.09
Exposed	Fording	FORD8	3	0.28	0.69	0.28	0.69
Exposed	Fording	FORD9	6	0.12	0.39	0.17	0.44
Exposed	Gardine	GARD1	3	0.27	0.38	0.49	0.60
Exposed	Gate	GATE2	3	0.59	0.87	1.32	1.61
Exposed	Goddard	GODD1	1	0.04	0.16	0.04	0.16
Exposed	Goddard	GODD2	3	0.72	0.82	2.04	2.14
Exposed	Goddard	GODD3	3	0.86	0.91	2.50	2.55
Reference	Grace	GRAC1	3	0.05	0.24	0.06	0.25
Exposed	Grassy	GRAS1	3	0.09	0.16	0.11	0.17
Exposed	Grave	GRAV1	3	0.06	0.27	0.07	0.28
Reference	Grave	GRAV3	3	0.00	0.01	0.00	0.01
Exposed	Greenhills	GREE1	3	0.35	0.51	0.48	0.64
Exposed	Greenhills	GREE3	6	0.95	1.00	2.53	2.58
Exposed	Greenhills	GREE4	3	0.99	0.99	2.84	2.84
Exposed	Greenhouse side channel	GSCH1	3	0.24	0.41	0.24	0.41
Exposed	Harmer	HARM1	3	0.54	0.87	0.57	0.90
Exposed	Harmer	HARM3	3	0.02	0.12	0.02	0.12
Exposed	Henretta	HENR1	3	0.29	0.62	0.37	0.69
Exposed	Henretta	HENR3	3	0.05	0.20	0.05	0.20
Exposed	Kilmamock	KILM1	3	0.84	0.86	2.45	2.47
Exposed	Lake Mountain	LMOU1	1	0.21	0.64	0.21	0.64
Exposed	Leask	LEAS2	3	0.71	1.00	2.17	2.46
Exposed	Lindsay	LIND1	3	0.03	0.11	0.03	0.11
Exposed	Line	LINE1	3	0.18	0.76	0.18	0.76
Exposed	Line	LINE2	3	0.10	0.51	0.10	0.52
Exposed	Line	LINE3	3	0.11	0.48	0.11	0.48
Exposed	Line	LINE4	3	0.36	0.70	0.36	0.70
Exposed	Michel	MICH1	3	0.02	0.12	0.02	0.12
Exposed	Michel	MICH2	3	0.18	0.79	0.18	0.79
Exposed	Michel	MICH3	3	0.07	0.45	0.07	0.45
Exposed	Michel	MICH4	3	0.01	0.05	0.01	0.05
Reference	Michel	MICH5	3	0.00	0.03	0.00	0.03

Type	Stream	Reach	Number of Sites	Cp'	Cp	Cl'	Cl
Exposed	Mickelson	MICK1	2	0.66	0.84	1.04	1.22
Exposed	Milligan	MILL1	1	0.53	0.82	1.04	1.33
Exposed	North Thompson	NTHO1	6	0.81	0.87	1.94	2.00
Exposed	North Willow	WILN2	2	0.01	0.02	0.01	0.02
Exposed	North Wolfram	NWOL1	1	1.00	1.00	2.71	2.71
Exposed	Otto	OTTO1	1	0.38	0.46	0.38	0.46
Exposed	Porter	PORT1	1	0.78	0.98	0.78	0.98
Exposed	Porter	PORT3a	3	0.16	0.47	0.16	0.48
Exposed	Porter	PORT3b	3	0.93	0.94	2.54	2.55
Exposed	Sawmill	SAWM1	2	0.01	0.05	0.01	0.05
Exposed	Site18	SITE	1	1.00	1.00	2.97	2.97
Exposed	Six Mile	SIXM1	3	0.66	0.91	0.68	0.93
Exposed	Smith Pond Outlet	SPOU1	1	0.99	1.00	2.01	2.02
Reference	South Line	SLINE2	3	0.01	0.05	0.01	0.05
Exposed	South Pit	SPIT1	1	0.95	0.95	2.30	2.30
Exposed	SouthWolfram	SWOL1	4	0.92	0.93	2.51	2.52
Exposed	Spring	SPRI1	1	0.03	0.04	0.03	0.04
Reference	Stream 02	STR02	1	0.01	0.02	0.01	0.02
Exposed	Thompson	THOM2	3	0.14	0.75	0.20	0.80
Exposed	Thompson	THOM3	6	0.46	0.89	0.86	1.29
Exposed	Thompson	THOM4	3	0.04	0.16	0.04	0.16
Exposed	Unnamed Trib South of Sawmill	USOS1	3	0.00	0.00	0.00	0.00
Exposed	Upper Thompson	UTHO1	3	0.66	0.87	0.94	1.15
Exposed	Upper Thompson Pond Outlet	UTPO1	1	0.35	0.40	0.47	0.52
Exposed	Wolf	WOL1	2	0.01	0.01	0.01	0.01
Exposed	Wolfram	WOLF2	1	0.90	0.90	2.41	2.41
Exposed	Wolfram	WOLF3	3	1.00	1.00	2.95	2.95

Site level Cp' and Cp.

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Reference	Alexander	ALEX3	ALEX3-25	0.09	0.45	0.09	0.45
Reference	Alexander	ALEX3	ALEX3-50	0.08	0.41	0.08	0.41
Reference	Alexander	ALEX3	ALEX3-75	0.05	0.36	0.05	0.36
Reference	Andy Good	ANDY1	ANDY1-25	0.00	0.00	0.00	0.00
Reference	Andy Good	ANDY1	ANDY1-50	0.00	0.00	0.00	0.00

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Reference	Andy Good	ANDY1	ANDY1-75	0.00	0.00	0.00	0.00
Exposed	Aqueduct	AQUE1	AQUE1-0	0.00	0.00	0.00	0.00
Exposed	Balmer	BALM1	BALM1-25	0.00	0.01	0.00	0.01
Exposed	Balmer	BALM1	BALM1-50	0.00	0.02	0.00	0.02
Exposed	Balmer	BALM1	BALM1-75	0.00	0.00	0.00	0.00
Exposed	Bodie	BODI1	BODI1-25	0.24	0.29	0.32	0.37
Exposed	Bodie	BODI1	BODI1-50	0.95	0.96	1.78	1.79
Exposed	Bodie	BODI1	BODI1-75	0.64	0.69	1.09	1.14
Exposed	Bodie	BODI3	BODI3-25	0.93	0.97	2.62	2.66
Exposed	Bodie	BODI3	BODI3-50	0.95	0.99	2.59	2.63
Exposed	Bodie	BODI3	BODI3-75	0.97	1.00	2.53	2.56
Reference	Chauncey	CHAU1	CHAU1-25	0.03	0.15	0.03	0.15
Reference	Chauncey	CHAU1	CHAU1-50	0.04	0.21	0.04	0.21
Reference	Chauncey	CHAU1	CHAU1-75	0.03	0.27	0.03	0.27
Exposed	Clode Pond Outlet	COUT1	COUT1-0	0.49	0.87	0.78	1.16
Exposed	Clode West Infiltration	CLOW1	CLOW1-0	0.34	0.80	0.34	0.80
Exposed	Clode West Infiltration	CLOW1	CLOW1-50	0.20	0.72	0.20	0.72
Exposed	Corbin	CORB1	CORB1-25	0.82	0.93	2.20	2.31
Exposed	Corbin	CORB1	CORB1-50	0.90	0.95	2.56	2.61
Exposed	Corbin	CORB1	CORB1-75	0.87	0.96	2.35	2.44
Exposed	Dry (EVO)	DRYE1	DRYE1-0	1.00	1.00	2.67	2.67
Exposed	Dry (EVO)	DRYE3	DRYE3-25	1.00	1.00	2.93	2.93
Exposed	Dry (EVO)	DRYE3	DRYE3-50	0.99	1.00	2.82	2.83
Exposed	Dry (EVO)	DRYE3	DRYE3-75	0.98	1.00	2.69	2.71
Exposed	Dry (EVO)	DRYE4	DRYE4-25	1.00	1.00	2.94	2.94
Exposed	Dry (LCO)	DRYL1	DRYL1-25	0.09	0.46	0.09	0.46
Exposed	Dry (LCO)	DRYL1	DRYL1-50	0.23	0.76	0.23	0.76
Exposed	Dry (LCO)	DRYL1	DRYL1-75	0.17	0.64	0.17	0.64
Exposed	Dry (LCO)	DRYL2	DRYL2-25	0.16	0.60	0.16	0.60
Exposed	Dry (LCO)	DRYL2	DRYL2-50	0.19	0.66	0.19	0.66
Exposed	Dry (LCO)	DRYL2	DRYL2-75	0.15	0.54	0.15	0.54
Exposed	Dry (LCO)	DRYL3	DRYL3-25	0.11	0.43	0.11	0.43
Exposed	Dry (LCO)	DRYL3	DRYL3-50	0.04	0.20	0.04	0.20
Exposed	Dry (LCO)	DRYL3	DRYL3-75	0.05	0.23	0.05	0.23
Exposed	Dry (LCO)	DRYL4	DRYL4-25	0.10	0.39	0.10	0.39

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	Dry (LCO)	DRYL4	DRYL4-50	0.03	0.18	0.03	0.18
Exposed	Dry (LCO)	DRYL4	DRYL4-75	0.07	0.32	0.07	0.32
Exposed	East Dry	ETRI1	ETRI1-0	0.00	0.01	0.00	0.01
Exposed	East Dry	ETRI1	ETRI1-50	0.00	0.02	0.00	0.02
Exposed	Elk	ELKR10	ELKR10-50	0.05	0.01	0.05	0.01
Exposed	Elk	ELKR10	ELKR10-75	0.00	0.11	0.00	0.11
Exposed	Elk	ELKR12	ELKR12-25	0.01	0.04	0.01	0.04
Exposed	Elk	ELKR12	ELKR12-50	0.00	0.05	0.00	0.05
Exposed	Elk	ELKR12	ELKR12-75	0.02	0.00	0.02	0.00
Reference	Elk	ELKR15	ELKR15-25	0.00	0.11	0.00	0.11
Reference	Elk	ELKR15	ELKR15-50	0.00	0.00	0.00	0.00
Reference	Elk	ELKR15	ELKR15-75	0.00	0.00	0.00	0.00
Exposed	Elk	ELKR8	ELKR8-25	0.05	0.00	0.05	0.00
Exposed	Elk	ELKR8	ELKR8-50	0.14	0.34	0.14	0.34
Exposed	Elk	ELKR8	ELKR8-75	0.05	0.66	0.05	0.66
Exposed	Elk	ELKR9	ELKR9-25	0.00	0.25	0.00	0.25
Exposed	Elk	ELKR9	ELKR9-50	0.00	0.01	0.00	0.01
Exposed	Elk	ELKR9	ELKR9-75	0.04	0.03	0.04	0.03
Exposed	Erickson	ERIC1	ERIC1-0	0.98	0.20	2.83	0.20
Exposed	Erickson	ERIC1	ERIC1-50	0.99	1.00	2.97	2.85
Exposed	Erickson	ERIC2	ERIC2-0	0.89	1.00	2.51	2.98
Exposed	Erickson	ERIC3	ERIC3-0	0.99	0.95	2.91	2.57
Exposed	Erickson	ERIC4	ERIC4-12.5	1.00	0.99	2.68	2.91
Exposed	Erickson	ERIC4	ERIC4-25	0.93	1.00	2.20	2.68
Exposed	Erickson	ERIC4	ERIC4-37.5	0.88	0.95	1.86	2.22
Exposed	Erickson	ERIC4	ERIC4-50	0.67	0.96	1.27	1.94
Exposed	Erickson	ERIC4	ERIC4-62.5	0.47	0.94	0.57	1.54
Exposed	Erickson	ERIC4	ERIC4-75	0.19	0.93	0.21	1.03
Exposed	Feltham	FELT1	FELT1-25	0.00	0.62	0.00	0.64
Exposed	Feltham	FELT1	FELT1-50	0.00	0.01	0.00	0.01
Exposed	Feltham	FELT1	FELT1-75	0.00	0.02	0.00	0.02
Exposed	Fennelon	FENN1	FENN1-50	0.00	0.00	0.00	0.00
Exposed	Fish Pond	FPON1	FPON1-25	0.19	0.00	0.19	0.00
Exposed	Fish Pond	FPON1	FPON1-50	0.14	0.56	0.14	0.56
Exposed	Fish Pond	FPON1	FPON1-75	0.08	0.53	0.08	0.53

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	Fording	FORD1	FORD1-25	0.05	0.34	0.05	0.34
Exposed	Fording	FORD1	FORD1-50	0.01	0.15	0.01	0.15
Exposed	Fording	FORD1	FORD1-75	0.11	0.01	0.11	0.01
Exposed	Fording	FORD10	FORD10-25	0.20	0.27	0.41	0.27
Exposed	Fording	FORD10	FORD10-50	0.09	0.41	0.09	0.62
Exposed	Fording	FORD10	FORD10-75	0.29	0.35	0.29	0.35
Exposed	Fording	FORD11	FORD11-25	0.14	0.59	0.14	0.59
Exposed	Fording	FORD11	FORD11-50	0.04	0.36	0.04	0.36
Exposed	Fording	FORD11	FORD11-75	0.00	0.18	0.00	0.18
Reference	Fording	FORD12	FORD12-25	0.04	0.00	0.04	0.00
Reference	Fording	FORD12	FORD12-50	0.06	0.14	0.06	0.14
Reference	Fording	FORD12	FORD12-75	0.01	0.25	0.01	0.25
Exposed	Fording	FORD2	FORD2-25	0.09	0.05	0.09	0.05
Exposed	Fording	FORD2	FORD2-50	0.17	0.24	0.20	0.24
Exposed	Fording	FORD2	FORD2-75	0.14	0.28	0.27	0.31
Exposed	Fording	FORD3	FORD3-25	0.47	0.33	0.72	0.46
Exposed	Fording	FORD3	FORD3-50	0.39	0.76	0.42	1.01
Exposed	Fording	FORD3	FORD3-75	0.36	0.73	0.73	0.76
Exposed	Fording	FORD4	FORD4-12.5	0.47	0.73	0.61	1.10
Exposed	Fording	FORD4	FORD4-50	0.44	0.99	0.44	1.13
Exposed	Fording	FORD4	FORD4-62.5	0.34	0.90	0.34	0.90
Exposed	Fording	FORD4	FORD4-75	0.31	0.66	0.31	0.66
Exposed	Fording	FORD5	FORD5-12.5	0.33	0.82	0.33	0.82
Exposed	Fording	FORD5	FORD5-25	0.21	0.71	0.21	0.71
Exposed	Fording	FORD5	FORD5-50	0.47	0.57	0.48	0.57
Exposed	Fording	FORD5	FORD5-75	0.54	0.94	0.65	0.95
Exposed	Fording	FORD6	FORD6-50	0.64	0.81	0.84	0.92
Exposed	Fording	FORD6	FORD6-75	0.24	1.00	0.24	1.20
Exposed	Fording	FORD7	FORD7-25	0.66	0.71	0.88	0.71
Exposed	Fording	FORD7	FORD7-50	0.38	0.97	0.38	1.19
Exposed	Fording	FORD7	FORD7-75	0.87	0.81	1.15	0.81
Exposed	Fording	FORD8	FORD8-25	0.16	1.00	0.16	1.28
Exposed	Fording	FORD8	FORD8-50	0.36	0.47	0.36	0.47
Exposed	Fording	FORD8	FORD8-75	0.33	0.76	0.33	0.76
Exposed	Fording	FORD9	FORD9-12.5	0.15	0.84	0.17	0.84

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	Fording	FORD9	FORD9-25	0.22	0.53	0.38	0.55
Exposed	Fording	FORD9	FORD9-37.5	0.15	0.69	0.26	0.85
Exposed	Fording	FORD9	FORD9-50	0.06	0.46	0.06	0.57
Exposed	Fording	FORD9	FORD9-62.5	0.10	0.23	0.10	0.23
Exposed	Fording	FORD9	FORD9-75	0.02	0.36	0.02	0.36
Exposed	Gardine	GARD1	GARD1-25	0.79	0.06	1.44	0.06
Exposed	Gardine	GARD1	GARD1-50	0.02	1.00	0.02	1.65
Exposed	Gardine	GARD1	GARD1-75	0.00	0.12	0.00	0.12
Exposed	Gate	GATE2	GATE2-25	0.51	0.02	0.93	0.02
Exposed	Gate	GATE2	GATE2-50	0.66	0.87	1.66	1.29
Exposed	Gate	GATE2	GATE2-75	0.60	0.88	1.38	1.88
Exposed	Goddard	GODD1	GODD1-0	0.04	0.87	0.04	1.65
Exposed	Goddard	GODD2	GODD2-25	0.32	0.16	0.64	0.16
Exposed	Goddard	GODD2	GODD2-50	0.99	0.61	2.95	0.93
Exposed	Goddard	GODD2	GODD2-75	0.85	1.00	2.51	2.96
Exposed	Goddard	GODD3	GODD3-25	0.86	0.86	2.51	2.52
Exposed	Goddard	GODD3	GODD3-50	0.83	0.91	2.38	2.56
Exposed	Goddard	GODD3	GODD3-75	0.89	0.89	2.61	2.44
Reference	Grace	GRAC1	GRAC1-25	0.05	0.92	0.07	2.64
Reference	Grace	GRAC1	GRAC1-50	0.08	0.22	0.08	0.24
Reference	Grace	GRAC1	GRAC1-75	0.02	0.38	0.02	0.38
Exposed	Grassy	GRAS1	GRAS1-25	0.23	0.13	0.27	0.13
Exposed	Grassy	GRAS1	GRAS1-50	0.01	0.36	0.01	0.40
Exposed	Grassy	GRAS1	GRAS1-75	0.03	0.01	0.04	0.01
Exposed	Grave	GRAV1	GRAV1-25	0.06	0.10	0.07	0.11
Exposed	Grave	GRAV1	GRAV1-50	0.09	0.22	0.11	0.23
Exposed	Grave	GRAV1	GRAV1-75	0.04	0.37	0.04	0.39
Reference	Grave	GRAV3	GRAV3-25	0.00	0.23	0.00	0.23
Reference	Grave	GRAV3	GRAV3-50	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-75	0.00	0.00	0.00	0.00
Exposed	Greenhills	GREE1	GREE1-25	0.29	0.02	0.29	0.02
Exposed	Greenhills	GREE1	GREE1-50	0.03	0.47	0.03	0.47
Exposed	Greenhills	GREE1	GREE1-75	0.74	0.11	1.13	0.11
Exposed	Greenhills	GREE3	GREE3-12.5	0.94	0.95	2.54	1.34
Exposed	Greenhills	GREE3	GREE3-25	0.95	1.00	2.46	2.60

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	Greenhills	GREE3	GREE3-37.5	0.95	1.00	2.58	2.51
Exposed	Greenhills	GREE3	GREE3-50	0.97	0.99	2.57	2.62
Exposed	Greenhills	GREE3	GREE3-62.5	0.92	1.00	2.46	2.60
Exposed	Greenhills	GREE3	GREE3-75	0.97	0.99	2.59	2.53
Exposed	Greenhills	GREE4	GREE4-25	1.00	1.00	2.92	2.62
Exposed	Greenhills	GREE4	GREE4-50	1.00	1.00	2.85	2.92
Exposed	Greenhills	GREE4	GREE4-75	0.98	1.00	2.74	2.85
Exposed	Greenhouse side channel	GSCH1	GSCH1-25	0.52	0.98	0.52	2.74
Exposed	Greenhouse side channel	GSCH1	GSCH1-50	0.20	0.83	0.20	0.83
Exposed	Greenhouse side channel	GSCH1	GSCH1-75	0.02	0.36	0.02	0.36
Exposed	Harmer	HARM1	HARM1-25	0.46	0.05	0.50	0.05
Exposed	Harmer	HARM1	HARM1-50	0.51	0.76	0.54	0.80
Exposed	Harmer	HARM1	HARM1-75	0.66	0.90	0.68	0.93
Exposed	Harmer	HARM3	HARM3-25	0.02	0.95	0.02	0.97
Exposed	Harmer	HARM3	HARM3-50	0.01	0.17	0.01	0.17
Exposed	Harmer	HARM3	HARM3-75	0.02	0.05	0.02	0.05
Exposed	Henretta	HENR1	HENR1-25	0.59	0.13	0.82	0.13
Exposed	Henretta	HENR1	HENR1-50	0.14	0.97	0.14	1.20
Exposed	Henretta	HENR1	HENR1-75	0.15	0.44	0.15	0.44
Exposed	Henretta	HENR3	HENR3-25	0.14	0.44	0.14	0.44
Exposed	Henretta	HENR3	HENR3-50	0.01	0.57	0.01	0.57
Exposed	Henretta	HENR3	HENR3-75	0.00	0.04	0.00	0.04
Exposed	Kilmamock	KILM1	KILM1-25	0.98	0.00	2.79	0.00
Exposed	Kilmamock	KILM1	KILM1-50	0.98	1.00	2.89	2.81
Exposed	Kilmamock	KILM1	KILM1-75	0.57	0.99	1.68	2.90
Exposed	Lake Mountain	LMOU1	LMOU1-0	0.21	0.58	0.21	1.69
Exposed	Leask	LEAS2	LEAS2-18.2	0.73	0.64	2.32	0.64
Exposed	Leask	LEAS2	LEAS2-25	0.70	1.00	2.16	2.59
Exposed	Leask	LEAS2	LEAS2-9.1	0.70	0.99	2.03	2.45
Exposed	Lindsay	LIND1	LIND1-25	0.08	1.00	0.08	2.33
Exposed	Lindsay	LIND1	LIND1-50	0.01	0.28	0.01	0.28
Exposed	Lindsay	LIND1	LIND1-75	0.00	0.04	0.00	0.04
Exposed	Line	LINE1	LINE1-25	0.18	0.00	0.18	0.00
Exposed	Line	LINE1	LINE1-50	0.16	0.76	0.16	0.76
Exposed	Line	LINE1	LINE1-75	0.19	0.79	0.19	0.79

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	Line	LINE2	LINE2-25	0.11	0.73	0.11	0.73
Exposed	Line	LINE2	LINE2-50	0.14	0.56	0.16	0.56
Exposed	Line	LINE2	LINE2-75	0.05	0.61	0.05	0.63
Exposed	Line	LINE3	LINE3-25	0.09	0.37	0.09	0.37
Exposed	Line	LINE3	LINE3-50	0.17	0.43	0.17	0.43
Exposed	Line	LINE3	LINE3-75	0.08	0.61	0.08	0.61
Exposed	Line	LINE4	LINE4-25	0.58	0.39	0.58	0.39
Exposed	Line	LINE4	LINE4-50	0.21	0.85	0.21	0.85
Exposed	Line	LINE4	LINE4-75	0.29	0.62	0.29	0.62
Exposed	Michel	MICH1	MICH1-25	0.03	0.64	0.03	0.64
Exposed	Michel	MICH1	MICH1-50	0.02	0.16	0.02	0.16
Exposed	Michel	MICH1	MICH1-75	0.01	0.12	0.01	0.12
Exposed	Michel	MICH2	MICH2-25	0.18	0.08	0.18	0.08
Exposed	Michel	MICH2	MICH2-50	0.21	0.78	0.21	0.78
Exposed	Michel	MICH2	MICH2-75	0.15	0.83	0.15	0.83
Exposed	Michel	MICH3	MICH3-25	0.06	0.75	0.06	0.75
Exposed	Michel	MICH3	MICH3-50	0.10	0.38	0.10	0.38
Exposed	Michel	MICH3	MICH3-75	0.05	0.55	0.05	0.55
Exposed	Michel	MICH4	MICH4-25	0.00	0.41	0.00	0.41
Exposed	Michel	MICH4	MICH4-50	0.01	0.02	0.01	0.02
Exposed	Michel	MICH4	MICH4-75	0.01	0.05	0.01	0.05
Reference	Michel	MICH5	MICH5-25	0.00	0.07	0.00	0.07
Reference	Michel	MICH5	MICH5-50	0.01	0.04	0.01	0.04
Reference	Michel	MICH5	MICH5-75	0.00	0.03	0.00	0.03
Exposed	Mickelson	MICK1	MICK1-75	0.64	0.03	1.03	0.03
Exposed	Mickelson	MICK1	MICK1-87.5	0.69	0.90	1.06	1.29
Exposed	Milligan	MILL1	MILL1-0	0.53	0.78	1.04	1.15
Exposed	North Thompson	NTHO1	NTHO1-12.5	0.70	0.82	2.03	1.33
Exposed	North Thompson	NTHO1	NTHO1-25	0.68	0.81	1.88	2.14
Exposed	North Thompson	NTHO1	NTHO1-37.5	0.79	0.78	2.09	1.98
Exposed	North Thompson	NTHO1	NTHO1-50	0.90	0.79	2.17	2.09
Exposed	North Thompson	NTHO1	NTHO1-62.5	0.91	0.90	2.06	2.17
Exposed	North Thompson	NTHO1	NTHO1-75	0.90	0.96	1.40	2.11
Exposed	North Willow	WILN2	WILN2-25	0.00	0.99	0.00	1.49
Exposed	North Willow	WILN2	WILN2-50	0.01	0.00	0.01	0.00

Type	Stream	Reach	Site	Cp'	Cp	Cl'	Cl
Exposed	North Wolfram	NWOL1	NWOL1-25	1.00	0.04	2.71	0.04
Exposed	Otto	OTTO1	OTTO1-0	0.38	1.00	0.38	2.71
Exposed	Porter	PORT1	PORT1-0	0.78	0.46	0.78	0.46
Exposed	Porter	PORT3a	PORT3a-12.5	0.08	0.98	0.08	0.98
Exposed	Porter	PORT3a	PORT3a-25	0.26	0.33	0.27	0.33
Exposed	Porter	PORT3a	PORT3a-37.5	0.13	0.81	0.13	0.82
Exposed	Porter	PORT3b	PORT3b-50	0.78	0.28	1.94	0.28
Exposed	Porter	PORT3b	PORT3b-62.5	1.00	0.82	2.77	1.98
Exposed	Porter	PORT3b	PORT3b-75	1.00	1.00	2.91	2.77
Exposed	Sawmill	SAWM1	SAWM1-0	0.01	1.00	0.01	2.91
Exposed	Sawmill	SAWM1	SAWM1-50	0.00	0.08	0.00	0.08
Exposed	Site18	SITE	SITE-18	1.00	0.01	2.97	0.01
Exposed	Six Mile	SIXM1	SIXM1-25	0.81	1.00	0.87	2.97
Exposed	Six Mile	SIXM1	SIXM1-50	0.31	0.98	0.31	1.04
Exposed	Six Mile	SIXM1	SIXM1-75	0.86	0.77	0.86	0.77
Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	0.99	0.97	2.01	0.97
Reference	South Line	SLINE2	SLINE2-25	0.02	1.00	0.02	2.02
Reference	South Line	SLINE2	SLINE2-50	0.01	0.11	0.01	0.11
Reference	South Line	SLINE2	SLINE2-75	0.00	0.03	0.00	0.03
Exposed	South Pit	SPIT1	SPIT1-0	0.95	0.02	2.30	0.02
Exposed	SouthWolfram	SWOL1	SWOL1-16	1.00	0.95	2.89	2.30
Exposed	SouthWolfram	SWOL1	SWOL1-25	0.90	1.00	2.48	2.89
Exposed	SouthWolfram	SWOL1	SWOL1-32.1	0.98	0.92	2.64	2.50
Exposed	SouthWolfram	SWOL1	SWOL1-7.5	0.81	0.99	2.03	2.65
Exposed	Spring	SPRI1	SPRI1-0	0.03	0.81	0.03	2.03
Reference	Stream 02	STR02	STR02-50	0.01	0.04	0.01	0.04
Exposed	Thompson	THOM2	THOM2-25	0.15	0.02	0.20	0.02
Exposed	Thompson	THOM2	THOM2-50	0.07	0.78	0.07	0.83
Exposed	Thompson	THOM2	THOM2-75	0.20	0.52	0.32	0.52
Exposed	Thompson	THOM3	THOM3-12.5	0.54	0.94	1.28	1.06
Exposed	Thompson	THOM3	THOM3-25	0.62	1.00	1.72	1.74
Exposed	Thompson	THOM3	THOM3-37.5	0.40	1.00	0.59	2.10
Exposed	Thompson	THOM3	THOM3-50	0.36	0.79	0.43	0.98
Exposed	Thompson	THOM3	THOM3-62.5	0.42	0.73	0.64	0.80
Exposed	Thompson	THOM3	THOM3-75	0.41	0.94	0.48	1.16

Type	Stream	Reach	Site	Cp'	Cp	CI'	CI
Exposed	Thompson	THOM4	THOM4-25	0.08	0.88	0.08	0.95
Exposed	Thompson	THOM4	THOM4-50	0.02	0.27	0.02	0.27
Exposed	Thompson	THOM4	THOM4-75	0.02	0.12	0.02	0.12
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	0.00	0.09	0.00	0.09
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-75	0.00	0.00	0.00	0.00
Exposed	Upper Thompson	UTHO1	UTHO1-25	0.71	0.00	0.94	0.00
Exposed	Upper Thompson	UTHO1	UTHO1-50	0.38	0.91	0.38	1.14
Exposed	Upper Thompson	UTHO1	UTHO1-75	0.89	0.76	1.50	0.76
Exposed	Upper Thompson Pond Outlet	UTPO1	UTPO1-0	0.35	0.95	0.47	1.56
Exposed	Wolf	WOL1	WOL1-25	0.01	0.40	0.01	0.52
Exposed	Wolf	WOL1	WOL1-50	0.00	0.01	0.00	0.01
Exposed	Wolfram	WOLF2	WOLF2-75	0.90	0.00	2.41	0.00
Exposed	Wolfram	WOLF3	WOLF3-25	1.00	0.90	2.94	2.41
Exposed	Wolfram	WOLF3	WOLF3-50	1.00	1.00	2.96	2.94
Exposed	Wolfram	WOLF3	WOLF3-75	1.00	1.00	2.94	2.96

Habitat unit Cp' and Cp.

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Reference	Alexander	ALEX3	ALEX3-25	G	0.09	0.45	0.09	0.45
Reference	Alexander	ALEX3	ALEX3-50	G	0.08	0.41	0.08	0.41
Reference	Alexander	ALEX3	ALEX3-75	G	0.05	0.36	0.05	0.36
Reference	Andy Good	ANDY1	ANDY1-25	G	0.00	0.00	0.00	0.00
Reference	Andy Good	ANDY1	ANDY1-50	G	0.00	0.00	0.00	0.00
Reference	Andy Good	ANDY1	ANDY1-50	P	0.00	0.00	0.00	0.00
Reference	Andy Good	ANDY1	ANDY1-75	G	0.00	0.00	0.00	0.00
Exposed	Aqueduct	AQUE1	AQUE1-0	G	0.00	0.00	0.00	0.00
Exposed	Balmer	BALM1	BALM1-25	C	0.00	0.01	0.00	0.01
Exposed	Balmer	BALM1	BALM1-50	C	0.00	0.02	0.00	0.02
Exposed	Balmer	BALM1	BALM1-75	C	0.00	0.00	0.00	0.00

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Balmer	BALM1	BALM1-75	G	0.00	0.00	0.00	0.00
Exposed	Balmer	BALM1	BALM1-75	R	0.00	0.00	0.00	0.00
Exposed	Bodie	BODI1	BODI1-25	G	0.24	0.29	0.32	0.37
Exposed	Bodie	BODI1	BODI1-50	G	0.95	0.96	1.78	1.79
Exposed	Bodie	BODI1	BODI1-75	G	0.64	0.69	1.09	1.14
Exposed	Bodie	BODI3	BODI3-25	C	0.93	0.97	2.62	2.66
Exposed	Bodie	BODI3	BODI3-50	C	0.96	0.99	2.62	2.64
Exposed	Bodie	BODI3	BODI3-50	G	0.83	1.00	2.33	2.50
Exposed	Bodie	BODI3	BODI3-75	C	1.00	1.00	2.60	2.61
Exposed	Bodie	BODI3	BODI3-75	G	0.17	1.00	0.17	1.00
Reference	Chauncey	CHAU1	CHAU1-25	G	0.02	0.16	0.02	0.16
Reference	Chauncey	CHAU1	CHAU1-25	R	0.03	0.14	0.03	0.14
Reference	Chauncey	CHAU1	CHAU1-50	R	0.04	0.21	0.04	0.21
Reference	Chauncey	CHAU1	CHAU1-75	G	0.03	0.26	0.03	0.26
Reference	Chauncey	CHAU1	CHAU1-75	R	0.04	0.28	0.04	0.28
Exposed	Clode Pond Outlet	COUT1	COUT1-0	G	0.63	0.96	0.92	1.25
Exposed	Clode Pond Outlet	COUT1	COUT1-0	P	0.34	0.77	0.52	0.95
Exposed	Clode Pond Outlet	COUT1	COUT1-0	R	0.54	0.91	0.96	1.33
Exposed	Clode West Infiltration	CLOW1	CLOW1-0	P	0.11	0.47	0.11	0.47
Exposed	Clode West Infiltration	CLOW1	CLOW1-0	R	0.45	0.97	0.45	0.97
Exposed	Clode West Infiltration	CLOW1	CLOW1-50	P	0.17	0.63	0.17	0.63
Exposed	Clode West Infiltration	CLOW1	CLOW1-50	R	0.21	0.76	0.21	0.76
Exposed	Corbin	CORB1	CORB1-25	G	0.84	0.97	2.27	2.40
Exposed	Corbin	CORB1	CORB1-25	P	0.60	0.75	1.35	1.50
Exposed	Corbin	CORB1	CORB1-25	R	0.82	0.92	2.22	2.31
Exposed	Corbin	CORB1	CORB1-50	C	0.98	1.00	2.73	2.75
Exposed	Corbin	CORB1	CORB1-50	G	0.92	1.00	2.61	2.69
Exposed	Corbin	CORB1	CORB1-50	P	1.00	1.00	2.75	2.75
Exposed	Corbin	CORB1	CORB1-50	R	0.88	0.92	2.52	2.56
Exposed	Corbin	CORB1	CORB1-75	G	0.86	0.96	2.22	2.32
Exposed	Corbin	CORB1	CORB1-75	P	0.93	1.00	2.60	2.67
Exposed	Corbin	CORB1	CORB1-75	R	0.88	0.96	2.40	2.48
Exposed	Dry (EVO)	DRYE1	DRYE1-0	C	1.00	1.00	3.00	3.00
Exposed	Dry (EVO)	DRYE1	DRYE1-0	G	1.00	1.00	2.51	2.51

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Dry (EVO)	DRYE1	DRYE1-0	P	1.00	1.00	2.58	2.58
Exposed	Dry (EVO)	DRYE1	DRYE1-0	R	1.00	1.00	2.96	2.96
Exposed	Dry (EVO)	DRYE3	DRYE3-25	P	1.00	1.00	2.92	2.92
Exposed	Dry (EVO)	DRYE3	DRYE3-25	R	1.00	1.00	3.00	3.00
Exposed	Dry (EVO)	DRYE3	DRYE3-50	C	1.00	1.00	3.00	3.00
Exposed	Dry (EVO)	DRYE3	DRYE3-50	G	1.00	1.00	2.92	2.92
Exposed	Dry (EVO)	DRYE3	DRYE3-50	P	1.00	1.00	2.65	2.65
Exposed	Dry (EVO)	DRYE3	DRYE3-50	R	0.98	1.00	2.79	2.80
Exposed	Dry (EVO)	DRYE3	DRYE3-75	G	0.95	1.00	2.60	2.65
Exposed	Dry (EVO)	DRYE3	DRYE3-75	P	1.00	1.00	2.43	2.43
Exposed	Dry (EVO)	DRYE3	DRYE3-75	R	0.99	1.00	2.75	2.76
Exposed	Dry (EVO)	DRYE4	DRYE4-25	C	1.00	1.00	3.00	3.00
Exposed	Dry (EVO)	DRYE4	DRYE4-25	G	1.00	1.00	3.00	3.00
Exposed	Dry (EVO)	DRYE4	DRYE4-25	P	1.00	1.00	2.88	2.88
Exposed	Dry (EVO)	DRYE4	DRYE4-25	R	1.00	1.00	2.96	2.96
Exposed	Dry (LCO)	DRYL1	DRYL1-25	G	0.09	0.47	0.09	0.47
Exposed	Dry (LCO)	DRYL1	DRYL1-25	P	0.05	0.50	0.05	0.50
Exposed	Dry (LCO)	DRYL1	DRYL1-25	R	0.09	0.44	0.09	0.44
Exposed	Dry (LCO)	DRYL1	DRYL1-50	G	0.22	0.75	0.22	0.75
Exposed	Dry (LCO)	DRYL1	DRYL1-50	P	0.20	1.00	0.20	1.00
Exposed	Dry (LCO)	DRYL1	DRYL1-50	R	0.24	0.77	0.24	0.77
Exposed	Dry (LCO)	DRYL1	DRYL1-75	G	0.17	0.62	0.17	0.62
Exposed	Dry (LCO)	DRYL1	DRYL1-75	P	0.00	0.00	0.00	0.00
Exposed	Dry (LCO)	DRYL1	DRYL1-75	R	0.17	0.69	0.17	0.69
Exposed	Dry (LCO)	DRYL2	DRYL2-25	C	0.17	1.00	0.17	1.00
Exposed	Dry (LCO)	DRYL2	DRYL2-25	G	0.19	0.65	0.19	0.65
Exposed	Dry (LCO)	DRYL2	DRYL2-25	P	0.13	0.33	0.13	0.33
Exposed	Dry (LCO)	DRYL2	DRYL2-25	R	0.13	0.56	0.13	0.56
Exposed	Dry (LCO)	DRYL2	DRYL2-50	C	0.45	1.00	0.45	1.00
Exposed	Dry (LCO)	DRYL2	DRYL2-50	G	0.21	0.71	0.21	0.71
Exposed	Dry (LCO)	DRYL2	DRYL2-50	P	0.06	0.20	0.06	0.20
Exposed	Dry (LCO)	DRYL2	DRYL2-50	R	0.18	0.65	0.18	0.65
Exposed	Dry (LCO)	DRYL2	DRYL2-75	G	0.16	0.57	0.16	0.57
Exposed	Dry (LCO)	DRYL2	DRYL2-75	P	0.07	0.24	0.07	0.24

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Dry (LCO)	DRYL2	DRYL2-75	R	0.19	0.68	0.19	0.68
Exposed	Dry (LCO)	DRYL3	DRYL3-25	G	0.09	0.43	0.09	0.43
Exposed	Dry (LCO)	DRYL3	DRYL3-25	P	0.07	0.33	0.07	0.33
Exposed	Dry (LCO)	DRYL3	DRYL3-25	R	0.12	0.44	0.12	0.44
Exposed	Dry (LCO)	DRYL3	DRYL3-50	G	0.04	0.17	0.04	0.17
Exposed	Dry (LCO)	DRYL3	DRYL3-50	P	0.01	0.14	0.01	0.14
Exposed	Dry (LCO)	DRYL3	DRYL3-50	R	0.05	0.24	0.05	0.24
Exposed	Dry (LCO)	DRYL3	DRYL3-75	G	0.04	0.16	0.04	0.16
Exposed	Dry (LCO)	DRYL3	DRYL3-75	P	0.13	0.75	0.13	0.75
Exposed	Dry (LCO)	DRYL3	DRYL3-75	R	0.06	0.25	0.06	0.25
Exposed	Dry (LCO)	DRYL4	DRYL4-25	G	0.09	0.43	0.09	0.43
Exposed	Dry (LCO)	DRYL4	DRYL4-25	P	0.03	0.33	0.03	0.33
Exposed	Dry (LCO)	DRYL4	DRYL4-25	R	0.11	0.36	0.11	0.36
Exposed	Dry (LCO)	DRYL4	DRYL4-50	G	0.02	0.12	0.02	0.12
Exposed	Dry (LCO)	DRYL4	DRYL4-50	P	0.02	0.13	0.02	0.13
Exposed	Dry (LCO)	DRYL4	DRYL4-50	R	0.05	0.29	0.05	0.29
Exposed	Dry (LCO)	DRYL4	DRYL4-75	G	0.10	0.37	0.10	0.37
Exposed	Dry (LCO)	DRYL4	DRYL4-75	P	0.03	0.26	0.03	0.26
Exposed	Dry (LCO)	DRYL4	DRYL4-75	R	0.04	0.29	0.04	0.29
Exposed	East Dry	ETRI1	ETRI1-0	C	0.00	0.00	0.00	0.00
Exposed	East Dry	ETRI1	ETRI1-0	G	0.00	0.00	0.00	0.00
Exposed	East Dry	ETRI1	ETRI1-0	P	0.01	0.14	0.01	0.14
Exposed	East Dry	ETRI1	ETRI1-0	R	0.00	0.00	0.00	0.00
Exposed	East Dry	ETRI1	ETRI1-50	C	0.00	0.00	0.00	0.00
Exposed	East Dry	ETRI1	ETRI1-50	G	0.01	0.05	0.01	0.05
Exposed	East Dry	ETRI1	ETRI1-50	P	0.00	0.00	0.00	0.00
Exposed	East Dry	ETRI1	ETRI1-50	R	0.00	0.00	0.00	0.00
Exposed	Elk	ELKR10	ELKR10-50	G	0.05	0.02	0.05	0.02
Exposed	Elk	ELKR10	ELKR10-75	G	0.00	0.00	0.00	0.00
Exposed	Elk	ELKR12	ELKR12-25	G	0.01	0.11	0.01	0.11
Exposed	Elk	ELKR12	ELKR12-25	R	0.01	0.04	0.01	0.04
Exposed	Elk	ELKR12	ELKR12-50	G	0.00	0.06	0.00	0.06
Exposed	Elk	ELKR12	ELKR12-75	G	0.02	0.04	0.02	0.04
Reference	Elk	ELKR15	ELKR15-25	G	0.00	0.00	0.00	0.00

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Reference	Elk	ELKR15	ELKR15-50	G	0.00	0.11	0.00	0.11
Reference	Elk	ELKR15	ELKR15-75	G	0.00	0.00	0.00	0.00
Exposed	Elk	ELKR8	ELKR8-25	R	0.05	0.00	0.05	0.00
Exposed	Elk	ELKR8	ELKR8-50	G	0.14	0.00	0.14	0.00
Exposed	Elk	ELKR8	ELKR8-75	R	0.05	0.34	0.05	0.34
Exposed	Elk	ELKR9	ELKR9-25	R	0.00	0.66	0.00	0.66
Exposed	Elk	ELKR9	ELKR9-50	R	0.00	0.25	0.00	0.25
Exposed	Elk	ELKR9	ELKR9-75	G	0.04	0.01	0.04	0.01
Exposed	Elk	ELKR9	ELKR9-75	R	0.03	0.03	0.03	0.03
Exposed	Erickson	ERIC1	ERIC1-0	C	1.00	0.21	3.00	0.21
Exposed	Erickson	ERIC1	ERIC1-0	G	0.92	0.20	1.92	0.20
Exposed	Erickson	ERIC1	ERIC1-0	R	0.98	1.00	2.81	3.00
Exposed	Erickson	ERIC1	ERIC1-50	C	0.98	1.00	2.92	2.00
Exposed	Erickson	ERIC1	ERIC1-50	R	1.00	1.00	3.00	2.83
Exposed	Erickson	ERIC2	ERIC2-0	C	1.00	1.00	3.00	2.94
Exposed	Erickson	ERIC2	ERIC2-0	G	0.86	1.00	2.22	3.00
Exposed	Erickson	ERIC2	ERIC2-0	R	0.88	1.00	2.56	3.00
Exposed	Erickson	ERIC3	ERIC3-0	C	1.00	0.94	3.00	2.29
Exposed	Erickson	ERIC3	ERIC3-0	G	1.00	0.95	2.82	2.63
Exposed	Erickson	ERIC3	ERIC3-0	R	0.95	1.00	2.75	3.00
Exposed	Erickson	ERIC4	ERIC4-12.5	C	1.00	1.00	2.70	2.82
Exposed	Erickson	ERIC4	ERIC4-12.5	G	1.00	0.95	2.59	2.75
Exposed	Erickson	ERIC4	ERIC4-12.5	R	1.00	1.00	2.73	2.70
Exposed	Erickson	ERIC4	ERIC4-25	C	1.00	1.00	2.00	2.59
Exposed	Erickson	ERIC4	ERIC4-25	G	0.83	1.00	1.96	2.73
Exposed	Erickson	ERIC4	ERIC4-25	R	0.98	1.00	2.34	2.00
Exposed	Erickson	ERIC4	ERIC4-37.5	C	1.00	0.86	2.50	2.00
Exposed	Erickson	ERIC4	ERIC4-37.5	G	0.86	1.00	1.80	2.35
Exposed	Erickson	ERIC4	ERIC4-37.5	R	0.88	1.00	1.84	2.50
Exposed	Erickson	ERIC4	ERIC4-50	C	1.00	0.94	3.00	1.89
Exposed	Erickson	ERIC4	ERIC4-50	G	0.33	0.96	0.58	1.92
Exposed	Erickson	ERIC4	ERIC4-50	R	0.70	1.00	1.31	3.00
Exposed	Erickson	ERIC4	ERIC4-62.5	C	0.55	0.63	0.55	0.88
Exposed	Erickson	ERIC4	ERIC4-62.5	G	0.53	0.97	0.63	1.58

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Erickson	ERIC4	ERIC4-62.5	R	0.46	1.00	0.56	1.00
Exposed	Erickson	ERIC4	ERIC4-75	C	0.20	1.00	0.20	1.10
Exposed	Erickson	ERIC4	ERIC4-75	G	0.25	0.92	0.32	1.02
Exposed	Erickson	ERIC4	ERIC4-75	R	0.17	1.00	0.17	1.00
Exposed	Feltham	FELT1	FELT1-25	C	0.00	0.50	0.00	0.57
Exposed	Feltham	FELT1	FELT1-25	G	0.00	0.65	0.00	0.65
Exposed	Feltham	FELT1	FELT1-50	C	0.01	0.01	0.01	0.01
Exposed	Feltham	FELT1	FELT1-50	G	0.01	0.00	0.01	0.00
Exposed	Feltham	FELT1	FELT1-50	P	0.00	0.07	0.00	0.07
Exposed	Feltham	FELT1	FELT1-50	R	0.00	0.05	0.00	0.05
Exposed	Feltham	FELT1	FELT1-75	C	0.00	0.00	0.00	0.00
Exposed	Feltham	FELT1	FELT1-75	G	0.00	0.00	0.00	0.00
Exposed	Feltham	FELT1	FELT1-75	P	0.00	0.00	0.00	0.00
Exposed	Feltham	FELT1	FELT1-75	R	0.00	0.00	0.00	0.00
Exposed	Fennelon	FENN1	FENN1-50	G	0.00	0.00	0.00	0.00
Exposed	Fish Pond	FPON1	FPON1-25	C	0.08	0.00	0.08	0.00
Exposed	Fish Pond	FPON1	FPON1-25	G	0.21	0.00	0.21	0.00
Exposed	Fish Pond	FPON1	FPON1-25	P	0.14	0.50	0.14	0.50
Exposed	Fish Pond	FPON1	FPON1-25	R	0.25	0.67	0.25	0.67
Exposed	Fish Pond	FPON1	FPON1-50	G	0.15	0.33	0.15	0.33
Exposed	Fish Pond	FPON1	FPON1-50	P	0.10	0.67	0.10	0.67
Exposed	Fish Pond	FPON1	FPON1-50	R	0.17	0.70	0.17	0.70
Exposed	Fish Pond	FPON1	FPON1-75	G	0.00	0.41	0.00	0.41
Exposed	Fish Pond	FPON1	FPON1-75	P	0.03	0.56	0.03	0.56
Exposed	Fish Pond	FPON1	FPON1-75	R	0.17	0.00	0.17	0.00
Exposed	Fording	FORD1	FORD1-25	G	0.06	0.26	0.06	0.26
Exposed	Fording	FORD1	FORD1-25	P	0.03	0.50	0.03	0.50
Exposed	Fording	FORD1	FORD1-25	R	0.00	0.18	0.00	0.18
Exposed	Fording	FORD1	FORD1-50	G	0.00	0.17	0.00	0.17
Exposed	Fording	FORD1	FORD1-50	R	0.01	0.00	0.01	0.00
Exposed	Fording	FORD1	FORD1-75	G	0.05	0.00	0.05	0.00
Exposed	Fording	FORD1	FORD1-75	R	0.22	0.01	0.22	0.01
Exposed	Fording	FORD10	FORD10-25	R	0.20	0.12	0.41	0.12
Exposed	Fording	FORD10	FORD10-50	R	0.09	0.56	0.09	0.56

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	Cl'	Cl
Exposed	Fording	FORD10	FORD10-75	C	0.37	0.41	0.37	0.62
Exposed	Fording	FORD10	FORD10-75	G	0.20	0.35	0.20	0.35
Exposed	Fording	FORD10	FORD10-75	P	0.30	0.85	0.30	0.85
Exposed	Fording	FORD10	FORD10-75	R	0.42	0.36	0.42	0.36
Exposed	Fording	FORD11	FORD11-25	G	0.13	0.67	0.13	0.67
Exposed	Fording	FORD11	FORD11-25	P	0.08	0.78	0.08	0.78
Exposed	Fording	FORD11	FORD11-25	R	0.16	0.33	0.16	0.33
Exposed	Fording	FORD11	FORD11-50	G	0.01	0.43	0.01	0.43
Exposed	Fording	FORD11	FORD11-50	R	0.06	0.36	0.06	0.36
Exposed	Fording	FORD11	FORD11-75	G	0.00	0.07	0.00	0.07
Reference	Fording	FORD12	FORD12-25	G	0.02	0.28	0.02	0.28
Reference	Fording	FORD12	FORD12-25	R	0.05	0.00	0.05	0.00
Reference	Fording	FORD12	FORD12-50	C	0.00	0.10	0.00	0.10
Reference	Fording	FORD12	FORD12-50	G	0.07	0.18	0.07	0.18
Reference	Fording	FORD12	FORD12-50	R	0.05	0.00	0.05	0.00
Reference	Fording	FORD12	FORD12-75	G	0.01	0.31	0.01	0.31
Reference	Fording	FORD12	FORD12-75	R	0.01	0.18	0.01	0.18
Exposed	Fording	FORD2	FORD2-25	G	0.09	0.03	0.09	0.03
Exposed	Fording	FORD2	FORD2-25	P	0.00	0.12	0.00	0.12
Exposed	Fording	FORD2	FORD2-25	R	0.11	0.23	0.11	0.23
Exposed	Fording	FORD2	FORD2-50	G	0.14	0.00	0.19	0.00
Exposed	Fording	FORD2	FORD2-50	P	0.76	0.29	0.76	0.29
Exposed	Fording	FORD2	FORD2-50	R	0.10	0.21	0.10	0.26
Exposed	Fording	FORD2	FORD2-75	G	0.05	1.00	0.05	1.00
Exposed	Fording	FORD2	FORD2-75	P	0.02	0.25	0.02	0.25
Exposed	Fording	FORD2	FORD2-75	R	0.20	0.19	0.42	0.19
Exposed	Fording	FORD3	FORD3-25	G	0.21	0.22	0.41	0.22
Exposed	Fording	FORD3	FORD3-25	R	0.51	0.42	0.77	0.63
Exposed	Fording	FORD3	FORD3-50	G	0.39	0.47	0.42	0.67
Exposed	Fording	FORD3	FORD3-75	G	0.36	0.81	0.73	1.07
Exposed	Fording	FORD4	FORD4-12.5	R	0.47	0.73	0.61	0.76
Exposed	Fording	FORD4	FORD4-50	G	0.44	0.73	0.44	1.10
Exposed	Fording	FORD4	FORD4-62.5	G	0.35	0.99	0.35	1.13
Exposed	Fording	FORD4	FORD4-62.5	R	0.27	0.90	0.27	0.90

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Fording	FORD4	FORD4-75	G	0.31	0.67	0.31	0.67
Exposed	Fording	FORD5	FORD5-12.5	G	0.36	0.57	0.36	0.57
Exposed	Fording	FORD5	FORD5-12.5	R	0.26	0.82	0.26	0.82
Exposed	Fording	FORD5	FORD5-25	G	0.27	0.74	0.27	0.74
Exposed	Fording	FORD5	FORD5-25	R	0.09	0.63	0.09	0.63
Exposed	Fording	FORD5	FORD5-50	G	0.41	0.61	0.41	0.61
Exposed	Fording	FORD5	FORD5-50	R	0.50	0.48	0.52	0.48
Exposed	Fording	FORD5	FORD5-75	G	0.53	0.93	0.63	0.93
Exposed	Fording	FORD5	FORD5-75	R	0.65	0.95	0.82	0.97
Exposed	Fording	FORD6	FORD6-50	G	0.64	0.80	0.84	0.90
Exposed	Fording	FORD6	FORD6-75	G	0.23	0.92	0.23	1.08
Exposed	Fording	FORD6	FORD6-75	R	0.28	1.00	0.28	1.20
Exposed	Fording	FORD7	FORD7-25	G	0.65	0.70	0.86	0.70
Exposed	Fording	FORD7	FORD7-25	P	0.38	0.78	0.38	0.78
Exposed	Fording	FORD7	FORD7-25	R	0.86	0.97	1.26	1.17
Exposed	Fording	FORD7	FORD7-50	G	0.38	1.00	0.38	1.00
Exposed	Fording	FORD7	FORD7-75	G	0.87	1.00	1.15	1.40
Exposed	Fording	FORD8	FORD8-25	G	0.03	0.81	0.03	0.81
Exposed	Fording	FORD8	FORD8-25	P	0.21	1.00	0.21	1.28
Exposed	Fording	FORD8	FORD8-50	G	0.31	0.07	0.31	0.07
Exposed	Fording	FORD8	FORD8-50	P	0.00	0.64	0.00	0.64
Exposed	Fording	FORD8	FORD8-50	R	0.67	0.73	0.67	0.73
Exposed	Fording	FORD8	FORD8-75	G	0.29	0.00	0.29	0.00
Exposed	Fording	FORD8	FORD8-75	R	0.36	1.00	0.36	1.00
Exposed	Fording	FORD9	FORD9-12.5	G	0.12	0.74	0.12	0.74
Exposed	Fording	FORD9	FORD9-12.5	P	0.15	0.92	0.15	0.92
Exposed	Fording	FORD9	FORD9-12.5	R	0.29	0.44	0.41	0.44
Exposed	Fording	FORD9	FORD9-25	G	0.13	0.63	0.17	0.63
Exposed	Fording	FORD9	FORD9-25	R	0.31	0.81	0.58	0.94
Exposed	Fording	FORD9	FORD9-37.5	G	0.11	0.60	0.16	0.65
Exposed	Fording	FORD9	FORD9-37.5	P	0.25	0.77	0.25	1.04
Exposed	Fording	FORD9	FORD9-37.5	R	0.18	0.44	0.32	0.50
Exposed	Fording	FORD9	FORD9-50	G	0.06	0.50	0.06	0.50
Exposed	Fording	FORD9	FORD9-50	R	0.13	0.47	0.13	0.61

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Fording	FORD9	FORD9-62.5	G	0.11	0.22	0.11	0.22
Exposed	Fording	FORD9	FORD9-62.5	P	0.02	0.50	0.02	0.50
Exposed	Fording	FORD9	FORD9-62.5	R	0.10	0.36	0.10	0.36
Exposed	Fording	FORD9	FORD9-75	P	0.00	0.11	0.00	0.11
Exposed	Fording	FORD9	FORD9-75	R	0.02	0.42	0.02	0.42
Exposed	Gardine	GARD1	GARD1-25	C	0.70	0.00	1.17	0.00
Exposed	Gardine	GARD1	GARD1-25	G	0.80	0.07	1.37	0.07
Exposed	Gardine	GARD1	GARD1-25	P	0.78	1.00	1.02	1.48
Exposed	Gardine	GARD1	GARD1-25	R	0.83	1.00	1.79	1.57
Exposed	Gardine	GARD1	GARD1-50	G	0.02	1.00	0.02	1.24
Exposed	Gardine	GARD1	GARD1-50	P	0.00	1.00	0.00	1.95
Exposed	Gardine	GARD1	GARD1-50	R	0.02	0.12	0.02	0.12
Exposed	Gardine	GARD1	GARD1-75	G	0.00	0.00	0.00	0.00
Exposed	Gardine	GARD1	GARD1-75	P	0.00	0.16	0.00	0.16
Exposed	Gardine	GARD1	GARD1-75	R	0.00	0.00	0.00	0.00
Exposed	Gate	GATE2	GATE2-25	G	0.52	0.04	0.94	0.04
Exposed	Gate	GATE2	GATE2-25	P	0.25	0.02	0.25	0.02
Exposed	Gate	GATE2	GATE2-25	R	0.52	0.89	0.97	1.31
Exposed	Gate	GATE2	GATE2-50	C	0.67	0.50	1.67	0.50
Exposed	Gate	GATE2	GATE2-50	G	0.67	0.88	1.57	1.33
Exposed	Gate	GATE2	GATE2-50	P	0.65	0.88	1.98	1.88
Exposed	Gate	GATE2	GATE2-50	R	0.40	0.90	1.07	1.80
Exposed	Gate	GATE2	GATE2-75	C	0.63	1.00	1.44	2.33
Exposed	Gate	GATE2	GATE2-75	P	0.10	0.67	0.10	1.33
Exposed	Goddard	GODD1	GODD1-0	G	0.06	0.88	0.06	1.69
Exposed	Goddard	GODD1	GODD1-0	R	0.02	0.75	0.02	0.75
Exposed	Goddard	GODD2	GODD2-25	C	0.22	0.23	0.40	0.23
Exposed	Goddard	GODD2	GODD2-25	G	0.25	0.09	0.25	0.09
Exposed	Goddard	GODD2	GODD2-25	P	0.00	0.52	0.00	0.70
Exposed	Goddard	GODD2	GODD2-25	R	0.54	0.75	1.19	0.75
Exposed	Goddard	GODD2	GODD2-50	C	0.99	0.00	2.95	0.00
Exposed	Goddard	GODD2	GODD2-75	C	0.88	0.85	2.61	1.50
Exposed	Goddard	GODD2	GODD2-75	G	0.80	1.00	1.80	2.96
Exposed	Goddard	GODD2	GODD2-75	P	0.00	0.88	0.00	2.61

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Goddard	GODD3	GODD3-25	C	0.89	0.80	2.60	1.80
Exposed	Goddard	GODD3	GODD3-25	G	0.50	0.00	1.50	0.00
Exposed	Goddard	GODD3	GODD3-25	R	0.75	0.94	2.25	2.65
Exposed	Goddard	GODD3	GODD3-50	C	0.82	0.57	2.30	1.57
Exposed	Goddard	GODD3	GODD3-50	R	0.84	0.75	2.51	2.25
Exposed	Goddard	GODD3	GODD3-75	C	0.89	0.89	2.61	2.38
Reference	Grace	GRAC1	GRAC1-25	C	0.00	0.89	0.00	2.56
Reference	Grace	GRAC1	GRAC1-25	G	0.05	0.92	0.05	2.64
Reference	Grace	GRAC1	GRAC1-25	P	0.00	0.00	0.00	0.00
Reference	Grace	GRAC1	GRAC1-25	R	0.07	0.20	0.13	0.20
Reference	Grace	GRAC1	GRAC1-50	C	0.00	0.00	0.00	0.00
Reference	Grace	GRAC1	GRAC1-50	G	0.08	0.31	0.08	0.38
Reference	Grace	GRAC1	GRAC1-50	P	0.13	0.00	0.13	0.00
Reference	Grace	GRAC1	GRAC1-50	R	0.09	0.34	0.09	0.34
Reference	Grace	GRAC1	GRAC1-75	C	0.03	0.25	0.03	0.25
Reference	Grace	GRAC1	GRAC1-75	G	0.01	0.52	0.01	0.52
Reference	Grace	GRAC1	GRAC1-75	P	0.00	0.33	0.00	0.33
Reference	Grace	GRAC1	GRAC1-75	R	0.02	0.11	0.02	0.11
Exposed	Grassy	GRAS1	GRAS1-25	G	0.14	0.00	0.17	0.00
Exposed	Grassy	GRAS1	GRAS1-25	R	0.46	0.16	0.53	0.16
Exposed	Grassy	GRAS1	GRAS1-50	G	0.01	0.23	0.01	0.25
Exposed	Grassy	GRAS1	GRAS1-75	G	0.03	0.69	0.04	0.76
Exposed	Grassy	GRAS1	GRAS1-75	R	0.30	0.01	0.30	0.01
Exposed	Grave	GRAV1	GRAV1-25	C	0.03	0.08	0.03	0.09
Exposed	Grave	GRAV1	GRAV1-25	G	0.06	1.00	0.09	1.00
Exposed	Grave	GRAV1	GRAV1-25	P	0.00	0.33	0.00	0.33
Exposed	Grave	GRAV1	GRAV1-25	R	0.07	0.18	0.07	0.21
Exposed	Grave	GRAV1	GRAV1-50	C	0.08	0.00	0.08	0.00
Exposed	Grave	GRAV1	GRAV1-50	G	0.08	0.27	0.08	0.27
Exposed	Grave	GRAV1	GRAV1-50	P	0.00	0.33	0.00	0.33
Exposed	Grave	GRAV1	GRAV1-50	R	0.11	0.38	0.15	0.38
Exposed	Grave	GRAV1	GRAV1-75	C	0.04	0.00	0.04	0.00
Exposed	Grave	GRAV1	GRAV1-75	G	0.03	0.38	0.03	0.42
Exposed	Grave	GRAV1	GRAV1-75	P	0.00	0.28	0.00	0.28

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Grave	GRAV1	GRAV1-75	R	0.05	0.17	0.05	0.17
Reference	Grave	GRAV3	GRAV3-25	C	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-25	G	0.00	0.29	0.00	0.29
Reference	Grave	GRAV3	GRAV3-25	R	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-50	G	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-50	P	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-50	R	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-75	G	0.00	0.00	0.00	0.00
Reference	Grave	GRAV3	GRAV3-75	R	0.00	0.00	0.00	0.00
Exposed	Greenhills	GREE1	GREE1-25	G	0.22	0.02	0.22	0.02
Exposed	Greenhills	GREE1	GREE1-25	R	0.67	0.02	0.67	0.02
Exposed	Greenhills	GREE1	GREE1-50	G	0.04	0.38	0.04	0.38
Exposed	Greenhills	GREE1	GREE1-50	R	0.03	1.00	0.03	1.00
Exposed	Greenhills	GREE1	GREE1-75	G	0.69	0.11	0.96	0.11
Exposed	Greenhills	GREE1	GREE1-75	P	0.47	0.11	0.47	0.11
Exposed	Greenhills	GREE1	GREE1-75	R	0.79	0.95	1.29	1.22
Exposed	Greenhills	GREE3	GREE3-12.5	P	0.94	1.00	2.65	1.00
Exposed	Greenhills	GREE3	GREE3-12.5	R	0.93	0.95	2.49	1.45
Exposed	Greenhills	GREE3	GREE3-25	G	0.91	1.00	2.36	2.70
Exposed	Greenhills	GREE3	GREE3-25	P	0.96	1.00	2.78	2.56
Exposed	Greenhills	GREE3	GREE3-25	R	0.96	1.00	2.43	2.45
Exposed	Greenhills	GREE3	GREE3-37.5	C	0.99	1.00	2.81	2.82
Exposed	Greenhills	GREE3	GREE3-37.5	G	0.96	1.00	2.59	2.47
Exposed	Greenhills	GREE3	GREE3-37.5	P	0.91	1.00	2.38	2.82
Exposed	Greenhills	GREE3	GREE3-37.5	R	0.96	1.00	2.63	2.63
Exposed	Greenhills	GREE3	GREE3-50	C	0.96	0.97	2.67	2.43
Exposed	Greenhills	GREE3	GREE3-50	G	0.99	1.00	2.66	2.67
Exposed	Greenhills	GREE3	GREE3-50	P	0.95	1.00	2.22	2.71
Exposed	Greenhills	GREE3	GREE3-50	R	0.96	1.00	2.57	2.67
Exposed	Greenhills	GREE3	GREE3-62.5	C	0.94	1.00	2.23	2.27
Exposed	Greenhills	GREE3	GREE3-62.5	G	0.96	1.00	2.65	2.60
Exposed	Greenhills	GREE3	GREE3-62.5	P	0.80	1.00	1.91	2.29
Exposed	Greenhills	GREE3	GREE3-62.5	R	0.94	1.00	2.69	2.69
Exposed	Greenhills	GREE3	GREE3-75	C	1.00	0.95	2.50	2.05

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Greenhills	GREE3	GREE3-75	G	1.00	1.00	2.70	2.75
Exposed	Greenhills	GREE3	GREE3-75	P	0.92	1.00	2.42	2.50
Exposed	Greenhills	GREE3	GREE3-75	R	0.97	1.00	2.58	2.70
Exposed	Greenhills	GREE4	GREE4-25	G	1.00	1.00	2.93	2.50
Exposed	Greenhills	GREE4	GREE4-25	P	1.00	1.00	2.96	2.61
Exposed	Greenhills	GREE4	GREE4-25	R	1.00	1.00	2.90	2.93
Exposed	Greenhills	GREE4	GREE4-50	C	1.00	1.00	2.92	2.96
Exposed	Greenhills	GREE4	GREE4-50	G	1.00	1.00	2.94	2.90
Exposed	Greenhills	GREE4	GREE4-50	P	1.00	1.00	2.79	2.92
Exposed	Greenhills	GREE4	GREE4-50	R	1.00	1.00	2.50	2.94
Exposed	Greenhills	GREE4	GREE4-75		0.98	1.00	2.74	2.79
Exposed	Greenhouse side channel	GSCH1	GSCH1-25	G	0.53	1.00	0.53	2.50
Exposed	Greenhouse side channel	GSCH1	GSCH1-25	P	0.24	0.98	0.24	2.74
Exposed	Greenhouse side channel	GSCH1	GSCH1-25	R	0.74	0.93	0.74	0.93
Exposed	Greenhouse side channel	GSCH1	GSCH1-50	G	0.21	0.43	0.21	0.43
Exposed	Greenhouse side channel	GSCH1	GSCH1-50	P	0.06	0.95	0.06	0.95
Exposed	Greenhouse side channel	GSCH1	GSCH1-50	R	0.55	0.37	0.55	0.37
Exposed	Greenhouse side channel	GSCH1	GSCH1-75	G	0.02	0.18	0.02	0.18
Exposed	Greenhouse side channel	GSCH1	GSCH1-75	R	0.00	1.00	0.00	1.00
Exposed	Harmer	HARM1	HARM1-25	G	0.70	0.05	0.83	0.05
Exposed	Harmer	HARM1	HARM1-25	R	0.42	0.00	0.44	0.00
Exposed	Harmer	HARM1	HARM1-50	C	0.32	0.88	0.32	1.00
Exposed	Harmer	HARM1	HARM1-50	G	0.47	0.74	0.51	0.76
Exposed	Harmer	HARM1	HARM1-50	R	0.54	0.80	0.57	0.80
Exposed	Harmer	HARM1	HARM1-75	C	0.35	0.92	0.35	0.96
Exposed	Harmer	HARM1	HARM1-75	G	0.65	0.90	0.68	0.93
Exposed	Harmer	HARM1	HARM1-75	P	0.30	0.50	0.30	0.50
Exposed	Harmer	HARM1	HARM1-75	R	0.68	0.94	0.70	0.97
Exposed	Harmer	HARM3	HARM3-25	C	0.02	0.50	0.02	0.50
Exposed	Harmer	HARM3	HARM3-25	G	0.01	0.98	0.01	1.00
Exposed	Harmer	HARM3	HARM3-25	R	0.03	0.20	0.03	0.20
Exposed	Harmer	HARM3	HARM3-50	C	0.00	0.12	0.00	0.12
Exposed	Harmer	HARM3	HARM3-50	G	0.00	0.20	0.00	0.20
Exposed	Harmer	HARM3	HARM3-50	P	0.00	0.00	0.00	0.00

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Harmer	HARM3	HARM3-50	R	0.01	0.05	0.01	0.05
Exposed	Harmer	HARM3	HARM3-75	G	0.03	0.00	0.03	0.00
Exposed	Harmer	HARM3	HARM3-75	P	0.03	0.07	0.03	0.07
Exposed	Harmer	HARM3	HARM3-75	R	0.02	0.17	0.02	0.17
Exposed	Henretta	HENR1	HENR1-25	G	0.59	0.17	0.81	0.17
Exposed	Henretta	HENR1	HENR1-25	P	0.62	0.09	1.22	0.09
Exposed	Henretta	HENR1	HENR1-25	R	0.58	0.96	0.76	1.18
Exposed	Henretta	HENR1	HENR1-50	C	0.13	1.00	0.13	1.60
Exposed	Henretta	HENR1	HENR1-50	G	0.18	1.00	0.18	1.18
Exposed	Henretta	HENR1	HENR1-50	P	0.09	0.47	0.09	0.47
Exposed	Henretta	HENR1	HENR1-50	R	0.12	0.43	0.12	0.43
Exposed	Henretta	HENR1	HENR1-75	G	0.11	0.30	0.11	0.30
Exposed	Henretta	HENR1	HENR1-75	P	0.15	0.40	0.15	0.40
Exposed	Henretta	HENR1	HENR1-75	R	0.17	0.34	0.17	0.34
Exposed	Henretta	HENR3	HENR3-25	C	0.10	0.42	0.10	0.42
Exposed	Henretta	HENR3	HENR3-25	G	0.13	0.51	0.13	0.51
Exposed	Henretta	HENR3	HENR3-25	P	0.04	0.50	0.04	0.50
Exposed	Henretta	HENR3	HENR3-25	R	0.26	0.58	0.26	0.58
Exposed	Henretta	HENR3	HENR3-50	C	0.00	0.11	0.00	0.11
Exposed	Henretta	HENR3	HENR3-50	G	0.00	0.80	0.00	0.80
Exposed	Henretta	HENR3	HENR3-50	P	0.05	0.00	0.05	0.00
Exposed	Henretta	HENR3	HENR3-50	R	0.00	0.00	0.00	0.00
Exposed	Henretta	HENR3	HENR3-75	C	0.00	0.29	0.00	0.29
Exposed	Henretta	HENR3	HENR3-75	G	0.00	0.00	0.00	0.00
Exposed	Henretta	HENR3	HENR3-75	P	0.00	0.00	0.00	0.00
Exposed	Henretta	HENR3	HENR3-75	R	0.00	0.00	0.00	0.00
Exposed	Kilmamock	KILM1	KILM1-25	R	0.98	0.00	2.79	0.00
Exposed	Kilmamock	KILM1	KILM1-50	G	0.95	0.00	2.74	0.00
Exposed	Kilmamock	KILM1	KILM1-50	R	0.99	1.00	2.96	2.81
Exposed	Kilmamock	KILM1	KILM1-75	G	0.71	0.97	2.09	2.76
Exposed	Kilmamock	KILM1	KILM1-75	R	0.48	1.00	1.44	2.97
Exposed	Lake Mountain	LMOU1	LMOU1-0	G	0.08	0.73	0.08	2.11
Exposed	Lake Mountain	LMOU1	LMOU1-0	R	0.21	0.49	0.21	1.44
Exposed	Leask	LEAS2	LEAS2-18.2		0.73	0.25	2.32	0.25

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Leask	LEAS2	LEAS2-25		0.70	0.66	2.16	0.66
Exposed	Leask	LEAS2	LEAS2-9.1		0.70	1.00	2.03	2.59
Exposed	Lindsay	LIND1	LIND1-25	C	0.08	0.99	0.08	2.45
Exposed	Lindsay	LIND1	LIND1-50	C	0.01	1.00	0.01	2.33
Exposed	Lindsay	LIND1	LIND1-50	R	0.10	0.28	0.10	0.28
Exposed	Lindsay	LIND1	LIND1-75	C	0.00	0.03	0.00	0.03
Exposed	Lindsay	LIND1	LIND1-75	G	0.00	0.50	0.00	0.50
Exposed	Lindsay	LIND1	LIND1-75	R	0.00	0.00	0.00	0.00
Exposed	Line	LINE1	LINE1-25	G	0.16	0.00	0.16	0.00
Exposed	Line	LINE1	LINE1-25	P	0.15	0.00	0.15	0.00
Exposed	Line	LINE1	LINE1-25	R	0.21	0.70	0.21	0.70
Exposed	Line	LINE1	LINE1-50	G	0.15	0.50	0.15	0.50
Exposed	Line	LINE1	LINE1-50	P	0.17	0.82	0.17	0.82
Exposed	Line	LINE1	LINE1-50	R	0.17	0.81	0.17	0.81
Exposed	Line	LINE1	LINE1-75	G	0.18	1.00	0.18	1.00
Exposed	Line	LINE1	LINE1-75	P	0.18	0.76	0.18	0.76
Exposed	Line	LINE1	LINE1-75	R	0.21	0.78	0.21	0.78
Exposed	Line	LINE2	LINE2-25	C	0.18	1.00	0.18	1.00
Exposed	Line	LINE2	LINE2-25	G	0.07	0.65	0.07	0.65
Exposed	Line	LINE2	LINE2-25	P	0.15	0.73	0.15	0.73
Exposed	Line	LINE2	LINE2-25	R	0.12	0.42	0.12	0.42
Exposed	Line	LINE2	LINE2-50	G	0.09	1.00	0.09	1.00
Exposed	Line	LINE2	LINE2-50	P	0.31	0.61	0.51	0.61
Exposed	Line	LINE2	LINE2-50	R	0.14	0.54	0.14	0.54
Exposed	Line	LINE2	LINE2-75	C	0.00	0.80	0.00	1.00
Exposed	Line	LINE2	LINE2-75	G	0.03	0.64	0.03	0.64
Exposed	Line	LINE2	LINE2-75	P	0.03	0.00	0.03	0.00
Exposed	Line	LINE2	LINE2-75	R	0.08	0.25	0.08	0.25
Exposed	Line	LINE3	LINE3-25	C	0.23	0.33	0.23	0.33
Exposed	Line	LINE3	LINE3-25	G	0.07	0.55	0.07	0.55
Exposed	Line	LINE3	LINE3-25	P	0.06	0.75	0.06	0.75
Exposed	Line	LINE3	LINE3-25	R	0.09	0.38	0.09	0.38
Exposed	Line	LINE3	LINE3-50	G	0.17	0.60	0.17	0.60
Exposed	Line	LINE3	LINE3-50	R	0.20	0.43	0.20	0.43

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Line	LINE3	LINE3-75	R	0.08	0.57	0.08	0.57
Exposed	Line	LINE4	LINE4-25	G	0.54	0.81	0.54	0.81
Exposed	Line	LINE4	LINE4-25	R	0.59	0.39	0.59	0.39
Exposed	Line	LINE4	LINE4-50	R	0.21	0.73	0.21	0.73
Exposed	Line	LINE4	LINE4-75	G	0.27	0.89	0.27	0.89
Exposed	Line	LINE4	LINE4-75	P	0.27	0.62	0.27	0.62
Exposed	Line	LINE4	LINE4-75	R	0.31	0.65	0.31	0.65
Exposed	Michel	MICH1	MICH1-25	G	0.00	0.62	0.00	0.62
Exposed	Michel	MICH1	MICH1-25	R	0.03	0.64	0.03	0.64
Exposed	Michel	MICH1	MICH1-50	R	0.02	0.00	0.02	0.00
Exposed	Michel	MICH1	MICH1-75	G	0.01	0.17	0.01	0.17
Exposed	Michel	MICH1	MICH1-75	R	0.01	0.12	0.01	0.12
Exposed	Michel	MICH2	MICH2-25	G	0.18	0.07	0.18	0.07
Exposed	Michel	MICH2	MICH2-50		0.21	0.09	0.21	0.09
Exposed	Michel	MICH2	MICH2-75	R	0.15	0.78	0.15	0.78
Exposed	Michel	MICH3	MICH3-25	R	0.06	0.83	0.06	0.83
Exposed	Michel	MICH3	MICH3-50	G	0.12	0.75	0.12	0.75
Exposed	Michel	MICH3	MICH3-50	R	0.04	0.38	0.04	0.38
Exposed	Michel	MICH3	MICH3-75	G	0.04	0.68	0.04	0.68
Exposed	Michel	MICH3	MICH3-75	R	0.06	0.24	0.06	0.24
Exposed	Michel	MICH4	MICH4-25	G	0.00	0.34	0.00	0.34
Exposed	Michel	MICH4	MICH4-25	P	0.00	0.48	0.00	0.48
Exposed	Michel	MICH4	MICH4-50		0.01	0.02	0.01	0.02
Exposed	Michel	MICH4	MICH4-75		0.01	0.00	0.01	0.00
Reference	Michel	MICH5	MICH5-25	G	0.02	0.05	0.02	0.05
Reference	Michel	MICH5	MICH5-25	R	0.00	0.07	0.00	0.07
Reference	Michel	MICH5	MICH5-50	G	0.01	0.20	0.01	0.20
Reference	Michel	MICH5	MICH5-50	R	0.00	0.02	0.00	0.02
Reference	Michel	MICH5	MICH5-75	P	0.00	0.04	0.00	0.04
Reference	Michel	MICH5	MICH5-75	R	0.00	0.02	0.00	0.02
Exposed	Mickelson	MICK1	MICK1-75	P	0.35	0.00	0.35	0.00
Exposed	Mickelson	MICK1	MICK1-75	R	0.64	0.03	1.04	0.03
Exposed	Mickelson	MICK1	MICK1-87.5	R	0.69	0.50	1.06	0.50
Exposed	Milligan	MILL1	MILL1-0	G	0.50	0.91	1.08	1.31

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Milligan	MILL1	MILL1-0	R	0.55	0.78	0.99	1.15
Exposed	North Thompson	NTHO1	NTHO1-12.5	C	0.75	0.71	1.88	1.29
Exposed	North Thompson	NTHO1	NTHO1-12.5	G	0.69	0.92	2.06	1.37
Exposed	North Thompson	NTHO1	NTHO1-12.5	R	0.67	0.87	2.00	2.00
Exposed	North Thompson	NTHO1	NTHO1-25	C	0.66	0.80	1.26	2.17
Exposed	North Thompson	NTHO1	NTHO1-25	G	0.68	0.67	1.92	2.00
Exposed	North Thompson	NTHO1	NTHO1-25	P	0.65	1.00	1.65	1.60
Exposed	North Thompson	NTHO1	NTHO1-37.5	R	0.79	0.77	2.09	2.01
Exposed	North Thompson	NTHO1	NTHO1-50	R	0.90	0.75	2.17	1.75
Exposed	North Thompson	NTHO1	NTHO1-62.5	R	0.91	0.79	2.06	2.09
Exposed	North Thompson	NTHO1	NTHO1-75	R	0.90	0.90	1.40	2.17
Exposed	North Willow	WILN2	WILN2-25	R	0.00	0.96	0.00	2.11
Exposed	North Willow	WILN2	WILN2-50	R	0.01	0.99	0.01	1.49
Exposed	North Wolfram	NWOL1	NWOL1-25	C	1.00	0.00	2.75	0.00
Exposed	North Wolfram	NWOL1	NWOL1-25	G	1.00	0.04	2.61	0.04
Exposed	North Wolfram	NWOL1	NWOL1-25	R	1.00	1.00	2.79	2.75
Exposed	Otto	OTTO1	OTTO1-0	G	0.33	1.00	0.33	2.61
Exposed	Otto	OTTO1	OTTO1-0	P	0.48	1.00	0.48	2.79
Exposed	Otto	OTTO1	OTTO1-0	R	0.34	0.39	0.34	0.39
Exposed	Porter	PORT1	PORT1-0	R	0.78	0.53	0.78	0.53
Exposed	Porter	PORT3a	PORT3a-12.5	C	0.09	0.47	0.09	0.47
Exposed	Porter	PORT3a	PORT3a-12.5	R	0.05	0.98	0.05	0.98
Exposed	Porter	PORT3a	PORT3a-25	C	0.26	0.39	0.27	0.39
Exposed	Porter	PORT3a	PORT3a-37.5	C	0.13	0.20	0.13	0.20
Exposed	Porter	PORT3b	PORT3b-50	C	0.81	0.81	2.02	0.82
Exposed	Porter	PORT3b	PORT3b-50	G	1.00	0.28	2.50	0.28
Exposed	Porter	PORT3b	PORT3b-50	P	0.68	0.85	1.63	2.07
Exposed	Porter	PORT3b	PORT3b-62.5	C	1.00	1.00	2.85	2.50
Exposed	Porter	PORT3b	PORT3b-62.5	P	1.00	0.71	2.62	1.67
Exposed	Porter	PORT3b	PORT3b-75	C	1.00	1.00	2.95	2.85
Exposed	Porter	PORT3b	PORT3b-75	P	1.00	1.00	2.50	2.62
Exposed	Sawmill	SAWM1	SAWM1-0	C	0.00	1.00	0.00	2.95
Exposed	Sawmill	SAWM1	SAWM1-0	G	0.02	1.00	0.02	2.50
Exposed	Sawmill	SAWM1	SAWM1-0	P	0.00	0.00	0.00	0.00

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Sawmill	SAWM1	SAWM1-0	R	0.01	0.11	0.01	0.11
Exposed	Sawmill	SAWM1	SAWM1-50	C	0.00	0.00	0.00	0.00
Exposed	Sawmill	SAWM1	SAWM1-50	G	0.00	0.08	0.00	0.08
Exposed	Sawmill	SAWM1	SAWM1-50	P	0.00	0.00	0.00	0.00
Exposed	Sawmill	SAWM1	SAWM1-50	R	0.00	0.00	0.00	0.00
Exposed	Site18	SITE	SITE-18	R	1.00	0.00	2.97	0.00
Exposed	Six Mile	SIXM1	SIXM1-25	G	0.79	0.02	0.88	0.02
Exposed	Six Mile	SIXM1	SIXM1-25	P	0.64	1.00	0.84	2.97
Exposed	Six Mile	SIXM1	SIXM1-25	R	0.84	0.98	0.86	1.07
Exposed	Six Mile	SIXM1	SIXM1-50	C	0.20	1.00	0.20	1.20
Exposed	Six Mile	SIXM1	SIXM1-50	G	0.34	0.98	0.34	1.00
Exposed	Six Mile	SIXM1	SIXM1-50	P	0.03	0.67	0.03	0.67
Exposed	Six Mile	SIXM1	SIXM1-50	R	0.31	0.85	0.31	0.85
Exposed	Six Mile	SIXM1	SIXM1-75	G	0.84	0.33	0.84	0.33
Exposed	Six Mile	SIXM1	SIXM1-75	P	0.81	0.75	0.81	0.75
Exposed	Six Mile	SIXM1	SIXM1-75	R	0.89	0.94	0.89	0.94
Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	G	0.99	1.00	2.02	1.00
Exposed	Smith Pond Outlet	SPOU1	SPOU1-0	R	0.93	1.00	1.93	1.00
Reference	South Line	SLINE2	SLINE2-25	R	0.02	1.00	0.02	2.02
Reference	South Line	SLINE2	SLINE2-50	G	0.01	1.00	0.01	2.00
Reference	South Line	SLINE2	SLINE2-50	R	0.02	0.11	0.02	0.11
Reference	South Line	SLINE2	SLINE2-75	R	0.00	0.02	0.00	0.02
Exposed	South Pit	SPIT1	SPIT1-0	G	0.92	0.04	2.00	0.04
Exposed	South Pit	SPIT1	SPIT1-0	R	1.00	0.02	2.77	0.02
Exposed	SouthWolfram	SWOL1	SWOL1-16	C	1.00	0.92	3.00	2.00
Exposed	SouthWolfram	SWOL1	SWOL1-16	G	1.00	1.00	2.73	2.77
Exposed	SouthWolfram	SWOL1	SWOL1-16	P	1.00	1.00	2.88	3.00
Exposed	SouthWolfram	SWOL1	SWOL1-16	R	1.00	1.00	2.96	2.73
Exposed	SouthWolfram	SWOL1	SWOL1-25	C	1.00	1.00	3.00	2.88
Exposed	SouthWolfram	SWOL1	SWOL1-25	G	0.84	1.00	2.19	2.96
Exposed	SouthWolfram	SWOL1	SWOL1-25	P	0.86	1.00	2.36	3.00
Exposed	SouthWolfram	SWOL1	SWOL1-25	R	0.97	0.85	2.75	2.20
Exposed	SouthWolfram	SWOL1	SWOL1-32.1	C	1.00	0.94	2.88	2.44
Exposed	SouthWolfram	SWOL1	SWOL1-32.1	G	0.99	0.97	2.51	2.75

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	SouthWolfram	SWOL1	SWOL1-32.1	P	0.89	1.00	2.09	2.88
Exposed	SouthWolfram	SWOL1	SWOL1-32.1	R	1.00	1.00	2.86	2.53
Exposed	SouthWolfram	SWOL1	SWOL1-7.5	C	1.00	0.90	2.75	2.10
Exposed	SouthWolfram	SWOL1	SWOL1-7.5	G	0.69	1.00	1.37	2.86
Exposed	SouthWolfram	SWOL1	SWOL1-7.5	P	0.57	1.00	1.14	2.75
Exposed	SouthWolfram	SWOL1	SWOL1-7.5	R	0.95	0.69	2.72	1.37
Exposed	Spring	SPRI1	SPRI1-0	G	0.03	0.57	0.03	1.14
Reference	Stream 02	STR02	STR02-50		0.01	0.95	0.01	2.72
Exposed	Thompson	THOM2	THOM2-25		0.15	0.04	0.20	0.04
Exposed	Thompson	THOM2	THOM2-50		0.07	0.02	0.07	0.02
Exposed	Thompson	THOM2	THOM2-75		0.20	0.78	0.32	0.83
Exposed	Thompson	THOM3	THOM3-12.5		0.54	0.52	1.28	0.52
Exposed	Thompson	THOM3	THOM3-25		0.62	0.94	1.72	1.06
Exposed	Thompson	THOM3	THOM3-37.5	C	0.69	1.00	1.44	1.74
Exposed	Thompson	THOM3	THOM3-37.5	G	0.34	1.00	0.40	2.10
Exposed	Thompson	THOM3	THOM3-37.5	P	0.00	1.00	0.00	1.75
Exposed	Thompson	THOM3	THOM3-37.5	R	0.44	0.73	0.70	0.79
Exposed	Thompson	THOM3	THOM3-50	C	0.42	0.00	0.42	0.00
Exposed	Thompson	THOM3	THOM3-50	G	0.34	0.91	0.44	1.17
Exposed	Thompson	THOM3	THOM3-50	P	0.23	0.90	0.23	0.90
Exposed	Thompson	THOM3	THOM3-50	R	0.42	0.70	0.51	0.81
Exposed	Thompson	THOM3	THOM3-62.5	C	0.41	0.40	0.76	0.40
Exposed	Thompson	THOM3	THOM3-62.5	G	0.41	0.78	0.61	0.87
Exposed	Thompson	THOM3	THOM3-62.5	P	0.58	0.96	0.58	1.30
Exposed	Thompson	THOM3	THOM3-62.5	R	0.50	0.93	0.50	1.13
Exposed	Thompson	THOM3	THOM3-75	C	0.43	1.00	0.46	1.00
Exposed	Thompson	THOM3	THOM3-75	G	0.40	1.00	0.53	1.00
Exposed	Thompson	THOM3	THOM3-75	P	0.34	0.95	0.34	0.98
Exposed	Thompson	THOM3	THOM3-75	R	0.44	0.85	0.44	0.98
Exposed	Thompson	THOM4	THOM4-25	C	0.04	0.63	0.04	0.63
Exposed	Thompson	THOM4	THOM4-25	G	0.14	1.00	0.14	1.00
Exposed	Thompson	THOM4	THOM4-25	P	0.00	0.19	0.00	0.19
Exposed	Thompson	THOM4	THOM4-25	R	0.06	0.47	0.06	0.47
Exposed	Thompson	THOM4	THOM4-50	C	0.10	0.00	0.10	0.00

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Thompson	THOM4	THOM4-50	G	0.03	0.20	0.03	0.20
Exposed	Thompson	THOM4	THOM4-50	P	0.00	1.00	0.00	1.00
Exposed	Thompson	THOM4	THOM4-50	R	0.02	0.14	0.02	0.14
Exposed	Thompson	THOM4	THOM4-75	G	0.01	0.00	0.01	0.00
Exposed	Thompson	THOM4	THOM4-75	P	0.00	0.11	0.00	0.11
Exposed	Thompson	THOM4	THOM4-75	R	0.02	0.05	0.02	0.05
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	G	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	P	0.00	0.13	0.00	0.13
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25	R	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	C	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	G	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	P	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50	R	0.00	0.00	0.00	0.00
Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-75	C	0.00	0.00	0.00	0.00
Exposed	Upper Thompson	UTHO1	UTHO1-25	G	0.71	0.00	0.94	0.00
Exposed	Upper Thompson	UTHO1	UTHO1-50	G	0.38	0.00	0.38	0.00
Exposed	Upper Thompson	UTHO1	UTHO1-75	C	0.94	0.91	2.32	1.14
Exposed	Upper Thompson	UTHO1	UTHO1-75	G	0.87	0.76	1.18	0.76
Exposed	Upper Thompson	UTHO1	UTHO1-75	P	0.88	0.95	1.63	2.33
Exposed	Upper Thompson	UTHO1	UTHO1-75	R	0.96	0.95	1.73	1.26
Exposed	Upper Thompson Pond Outlet	UTPO1	UTPO1-0	G	0.35	0.88	0.47	1.63
Exposed	Wolf	WOL1	WOL1-25	R	0.01	1.00	0.01	1.78
Exposed	Wolf	WOL1	WOL1-50	R	0.00	0.40	0.00	0.52
Exposed	Wolfram	WOLF2	WOLF2-75	G	0.74	0.01	1.49	0.01
Exposed	Wolfram	WOLF2	WOLF2-75	R	1.00	0.00	3.00	0.00
Exposed	Wolfram	WOLF3	WOLF3-25	R	1.00	0.74	2.94	1.49
Exposed	Wolfram	WOLF3	WOLF3-50	C	1.00	1.00	2.88	3.00
Exposed	Wolfram	WOLF3	WOLF3-50	R	1.00	1.00	2.98	2.94

Type	Stream	Reach	Site Code	Habitat type	Cp'	Cp	CI'	CI
Exposed	Wolfram	WOLF3	WOLF3-75	C	1.00	1.00	3.00	2.88
Exposed	Wolfram	WOLF3	WOLF3-75	P	1.00	1.00	3.00	2.98
Exposed	Wolfram	WOLF3	WOLF3-75	R	1.00	1.00	2.93	3.00

Appendix 18. Proposed sampling sites for the 2021 Regional Calcite Monitoring Program.

Strata	Type	Stream	Reach	Site
Tributary	Reference	Alexander	ALEX3	ALEX3-25
Tributary	Reference	Alexander	ALEX3	ALEX3-50
Tributary	Reference	Alexander	ALEX3	ALEX3-75
Tributary	Reference	Andy Good	ANDY1	ANDY1-25
Tributary	Reference	Andy Good	ANDY1	ANDY1-50
Tributary	Reference	Andy Good	ANDY1	ANDY1-75
Tributary	Exposed	Aqueduct	AQUE1	AQUE1-0
Tributary	Exposed	Aqueduct	AQUE2	AQUE2-0
Tributary	Exposed	Aqueduct	AQUE2	AQUE2-50
Tributary	Exposed	Aqueduct	AQUE3	AQUE3-25
Tributary	Exposed	Aqueduct	AQUE3	AQUE3-50
Tributary	Exposed	Aqueduct	AQUE3	AQUE3-75
Tributary	Exposed	Balmer	BALM1	BALM1-25
Tributary	Exposed	Balmer	BALM1	BALM1-50
Tributary	Exposed	Balmer	BALM1	BALM1-75
Tributary	Exposed	Bodie	BODI1	BODI1-25
Tributary	Exposed	Bodie	BODI1	BODI1-50
Tributary	Exposed	Bodie	BODI1	BODI1-75
Tributary	Exposed	Bodie	BODI2	BODI2-0
Tributary	Exposed	Bodie	BODI3	BODI3-25
Tributary	Exposed	Bodie	BODI3	BODI3-50
Tributary	Exposed	Bodie	BODI3	BODI3-75
Tributary	Reference	Chauncey	CHAU1	CHAU1-25
Tributary	Reference	Chauncey	CHAU1	CHAU1-50
Tributary	Reference	Chauncey	CHAU1	CHAU1-75
Tributary	Exposed	Clode Pond Outlet	COUT1	COUT1-0
Tributary	Exposed	Clode West Infiltration	CLOW1	CLOW1-0
Tributary	Exposed	Clode West Infiltration	CLOW1	CLOW1-50
Tributary	Exposed	Corbin	CORB1	CORB1-25
Tributary	Exposed	Corbin	CORB1	CORB1-50
Tributary	Exposed	Corbin	CORB1	CORB1-75
Tributary	Exposed	Corbin	CORB1	CORB1-37.5
Tributary	Exposed	Corbin	CORB1	CORB1-62.5
Tributary	Exposed	Corbin	CORB1	CORB1-87.5
Tributary	Exposed	Corbin	CORB2	CORB2-12.5
Tributary	Exposed	Corbin	CORB2	CORB2-25
Tributary	Exposed	Corbin	CORB2	CORB2-37.5
Tributary	Exposed	Corbin	CORB2	CORB2-50
Tributary	Exposed	Corbin	CORB2	CORB2-75
Tributary	Exposed	Corbin	CORB2	CORB2-87.5
Tributary	Exposed	Dry (EVO)	DRYE1	DRYE1-0
Tributary	Exposed	Dry (EVO)	DRYE3	DRYE3-25
Tributary	Exposed	Dry (EVO)	DRYE3	DRYE3-50
Tributary	Exposed	Dry (EVO)	DRYE3	DRYE3-75
Tributary	Exposed	Dry (EVO)	DRYE4	DRYE4-25
Tributary	Exposed	Dry (LCO)	DRYL1	DRYL1-25
Tributary	Exposed	Dry (LCO)	DRYL1	DRYL1-50
Tributary	Exposed	Dry (LCO)	DRYL1	DRYL1-75
Tributary	Exposed	Dry (LCO)	DRYL2	DRYL2-25

Strata	Type	Stream	Reach	Site
Tributary	Exposed	Dry (LCO)	DRYL2	DRYL2-50
Tributary	Exposed	Dry (LCO)	DRYL2	DRYL2-75
Tributary	Exposed	Dry (LCO)	DRYL3	DRYL3-25
Tributary	Exposed	Dry (LCO)	DRYL3	DRYL3-50
Tributary	Exposed	Dry (LCO)	DRYL3	DRYL3-75
Tributary	Exposed	Dry (LCO)	DRYL4	DRYL4-25
Tributary	Exposed	Dry (LCO)	DRYL4	DRYL4-50
Tributary	Exposed	Dry (LCO)	DRYL4	DRYL4-75
Tributary	Reference	East Dry	ETRI1	ETRI1-0
Tributary	Reference	East Dry	ETRI1	ETRI1-50
Mainstem	Exposed	Elk	ELKR10	ELKR10-25
Mainstem	Exposed	Elk	ELKR10	ELKR10-50
Mainstem	Exposed	Elk	ELKR10	ELKR10-75
Mainstem	Exposed	Elk	ELKR11	ELKR11-25
Mainstem	Exposed	Elk	ELKR11	ELKR11-50
Mainstem	Exposed	Elk	ELKR11	ELKR11-75
Mainstem	Exposed	Elk	ELKR12	ELKR12-25
Mainstem	Exposed	Elk	ELKR12	ELKR12-50
Mainstem	Exposed	Elk	ELKR12	ELKR12-75
Mainstem	Reference	Elk	ELKR15	ELKR15-25
Mainstem	Reference	Elk	ELKR15	ELKR15-50
Mainstem	Reference	Elk	ELKR15	ELKR15-75
Mainstem	Exposed	Elk	ELKR8	ELKR8-25
Mainstem	Exposed	Elk	ELKR8	ELKR8-50
Mainstem	Exposed	Elk	ELKR8	ELKR8-75
Mainstem	Exposed	Elk	ELKR9	ELKR9-25
Mainstem	Exposed	Elk	ELKR9	ELKR9-50
Mainstem	Exposed	Elk	ELKR9	ELKR9-75
Tributary	Exposed	Erickson	ERIC1	ERIC1-0
Tributary	Exposed	Erickson	ERIC1	ERIC1-50
Tributary	Exposed	Erickson	ERIC2	ERIC2-0
Tributary	Exposed	Erickson	ERIC3	ERIC3-0
Tributary	Exposed	Erickson	ERIC4	ERIC4-12.5
Tributary	Exposed	Erickson	ERIC4	ERIC4-25
Tributary	Exposed	Erickson	ERIC4	ERIC4-37.5
Tributary	Exposed	Erickson	ERIC4	ERIC4-50
Tributary	Exposed	Erickson	ERIC4	ERIC4-62.5
Tributary	Exposed	Erickson	ERIC4	ERIC4-75
Tributary	Exposed	Feltham	FELT1	FELT1-25
Tributary	Exposed	Feltham	FELT1	FELT1-50
Tributary	Exposed	Feltham	FELT1	FELT1-75
Tributary	Exposed	Feltham	FENN1	FENN1-25
Tributary	Exposed	Fennelon	FENN1	FENN1-50
Tributary	Exposed	Fennelon	FENN1	FENN1-75
Tributary	Exposed	Fish Pond	FPON1	FPON1-25
Tributary	Exposed	Fish Pond	FPON1	FPON1-50
Tributary	Exposed	Fish Pond	FPON1	FPON1-75
Mainstem	Exposed	Fording	FORD1	FORD1-25
Mainstem	Exposed	Fording	FORD1	FORD1-50

Strata	Type	Stream	Reach	Site
Mainstem	Exposed	Fording	FORD1	FORD1-75
Mainstem	Exposed	Fording	FORD10	FORD10-25
Mainstem	Exposed	Fording	FORD10	FORD10-50
Mainstem	Exposed	Fording	FORD10	FORD10-75
Mainstem	Exposed	Fording	FORD11	FORD11-25
Mainstem	Exposed	Fording	FORD11	FORD11-50
Mainstem	Exposed	Fording	FORD11	FORD11-75
Mainstem	Reference	Fording	FORD12	FORD12-25
Mainstem	Reference	Fording	FORD12	FORD12-50
Mainstem	Reference	Fording	FORD12	FORD12-75
Mainstem	Exposed	Fording	FORD2	FORD2-25
Mainstem	Exposed	Fording	FORD2	FORD2-50
Mainstem	Exposed	Fording	FORD2	FORD2-75
Mainstem	Exposed	Fording	FORD3	FORD3-25
Mainstem	Exposed	Fording	FORD3	FORD3-50
Mainstem	Exposed	Fording	FORD3	FORD3-75
Mainstem	Exposed	Fording	FORD4	FORD4-12.5
Mainstem	Exposed	Fording	FORD4	FORD4-50
Mainstem	Exposed	Fording	FORD4	FORD4-62.5
Mainstem	Exposed	Fording	FORD4	FORD4-75
Mainstem	Exposed	Fording	FORD5	FORD5-12.5
Mainstem	Exposed	Fording	FORD5	FORD5-25
Mainstem	Exposed	Fording	FORD5	FORD5-50
Mainstem	Exposed	Fording	FORD5	FORD5-75
Mainstem	Exposed	Fording	FORD6	FORD6-25
Mainstem	Exposed	Fording	FORD6	FORD6-50
Mainstem	Exposed	Fording	FORD6	FORD6-75
Mainstem	Exposed	Fording	FORD7	FORD7-25
Mainstem	Exposed	Fording	FORD7	FORD7-50
Mainstem	Exposed	Fording	FORD7	FORD7-75
Mainstem	Exposed	Fording	FORD8	FORD8-25
Mainstem	Exposed	Fording	FORD8	FORD8-50
Mainstem	Exposed	Fording	FORD8	FORD8-75
Mainstem	Exposed	Fording	FORD9a	FORD9a-12.5
Mainstem	Exposed	Fording	FORD9a	FORD9a-25
Mainstem	Exposed	Fording	FORD9a	FORD9a-37.5
Mainstem	Exposed	Fording	FORD9a	FORD9a-50
Mainstem	Exposed	Fording	FORD9b	FORD9b-62.5
Mainstem	Exposed	Fording	FORD9b	FORD9b-75
Tributary	Exposed	Gardine	GARD1	GARD1-25
Tributary	Exposed	Gardine	GARD1	GARD1-50
Tributary	Exposed	Gardine	GARD1	GARD1-75
Tributary	Exposed	Gate	GATE2	GATE2-25
Tributary	Exposed	Gate	GATE2	GATE2-50
Tributary	Exposed	Gate	GATE2	GATE2-75
Tributary	Exposed	Goddard	GODD1	GODD1-0
Tributary	Exposed	Goddard	GODD2	GODD2-25
Tributary	Exposed	Goddard	GODD2	GODD2-50
Tributary	Exposed	Goddard	GODD2	GODD2-75

Strata	Type	Stream	Reach	Site
Tributary	Exposed	Goddard	GODD3	GODD3-25
Tributary	Exposed	Goddard	GODD3	GODD3-50
Tributary	Exposed	Goddard	GODD3	GODD3-75
Tributary	Reference	Grace	GRAC1	GRAC1-25
Tributary	Reference	Grace	GRAC1	GRAC1-50
Tributary	Reference	Grace	GRAC1	GRAC1-75
Tributary	Reference	Grace	GRAC2	GRAC2-25
Tributary	Reference	Grace	GRAC2	GRAC2-50
Tributary	Reference	Grace	GRAC2	GRAC2-75
Tributary	Reference	Grace	GRAC3	GRAC3-25
Tributary	Reference	Grace	GRAC3	GRAC3-50
Tributary	Reference	Grace	GRAC3	GRAC3-75
Tributary	Exposed	Grassy	GRAS1	GRAS1-25
Tributary	Exposed	Grassy	GRAS1	GRAS1-50
Tributary	Exposed	Grassy	GRAS1	GRAS1-75
Tributary	Exposed	Grave	GRAV1	GRAV1-25
Tributary	Exposed	Grave	GRAV1	GRAV1-50
Tributary	Exposed	Grave	GRAV1	GRAV1-75
Tributary	Exposed	Grave	GRAV2	GRAV2-25
Tributary	Exposed	Grave	GRAV2	GRAV2-50
Tributary	Exposed	Grave	GRAV2	GRAV2-75
Tributary	Reference	Grave	GRAV3	GRAV3-25
Tributary	Reference	Grave	GRAV3	GRAV3-50
Tributary	Reference	Grave	GRAV3	GRAV3-75
Tributary	Exposed	Greenhills	GREE1	GREE1-25
Tributary	Exposed	Greenhills	GREE1	GREE1-50
Tributary	Exposed	Greenhills	GREE1	GREE1-75
Tributary	Exposed	Greenhills	GREE3	GREE3-12.5
Tributary	Exposed	Greenhills	GREE3	GREE3-25
Tributary	Exposed	Greenhills	GREE3	GREE3-37.5
Tributary	Exposed	Greenhills	GREE3	GREE3-50
Tributary	Exposed	Greenhills	GREE3	GREE3-62.5
Tributary	Exposed	Greenhills	GREE3	GREE3-75
Tributary	Exposed	Greenhills	GREE4	GREE4-25
Tributary	Exposed	Greenhills	GREE4	GREE4-50
Tributary	Exposed	Greenhills	GREE4	GREE4-75
Tributary	Exposed	Greenhouse side channel	GSCH1	GSCH1-25
Tributary	Exposed	Greenhouse side channel	GSCH1	GSCH1-50
Tributary	Exposed	Greenhouse side channel	GSCH1	GSCH1-75
Tributary	Exposed	Harmer	HARM1	HARM1-25
Tributary	Exposed	Harmer	HARM1	HARM1-50
Tributary	Exposed	Harmer	HARM1	HARM1-75
Tributary	Exposed	Harmer	HARM3	HARM3-25
Tributary	Exposed	Harmer	HARM3	HARM3-50
Tributary	Exposed	Harmer	HARM3	HARM3-75
Tributary	Exposed	Harmer	HARM4	HARM4-25
Tributary	Exposed	Harmer	HARM4	HARM4-50
Tributary	Exposed	Harmer	HARM4	HARM4-75
Tributary	Exposed	Harmer	HARM5	HARM5-25

Strata	Type	Stream	Reach	Site
Tributary	Exposed	Harmer	HARM5	HARM5-50
Tributary	Exposed	Harmer	HARM5	HARM5-75
Tributary	Exposed	Henretta	HENR1	HENR1-25
Tributary	Exposed	Henretta	HENR1	HENR1-50
Tributary	Exposed	Henretta	HENR1	HENR1-75
Tributary	Exposed	Henretta	HENR2	HENR2-25
Tributary	Exposed	Henretta	HENR2	HENR2-50
Tributary	Exposed	Henretta	HENR2	HENR2-75
Tributary	Reference	Henretta	HENR3	HENR3-25
Tributary	Reference	Henretta	HENR3	HENR3-50
Tributary	Reference	Henretta	HENR3	HENR3-75
Tributary	Exposed	Kilmarnock	KILM1	KILM1-25
Tributary	Exposed	Kilmarnock	KILM1	KILM1-50
Tributary	Exposed	Kilmarnock	KILM1	KILM1-75
Tributary	Exposed	Lake Mountain	LMOU1	LMOU1-0
Tributary	Exposed	Leask	LEAS2	LEAS2-18.2
Tributary	Exposed	Leask	LEAS2	LEAS2-25
Tributary	Exposed	Leask	LEAS2	LEAS2-9.1
Tributary	Exposed	Lindsay	LIND1	LIND1-25
Tributary	Exposed	Lindsay	LIND1	LIND1-50
Tributary	Exposed	Lindsay	LIND1	LIND1-75
Tributary	Exposed	Line	LINE1	LINE1-25
Tributary	Exposed	Line	LINE1	LINE1-50
Tributary	Exposed	Line	LINE1	LINE1-75
Tributary	Exposed	Line	LINE2	LINE2-25
Tributary	Exposed	Line	LINE2	LINE2-50
Tributary	Exposed	Line	LINE2	LINE2-75
Tributary	Exposed	Line	LINE3	LINE3-25
Tributary	Exposed	Line	LINE3	LINE3-50
Tributary	Exposed	Line	LINE3	LINE3-75
Tributary	Exposed	Line	LINE4	LINE4-25
Tributary	Exposed	Line	LINE4	LINE4-50
Tributary	Exposed	Line	LINE4	LINE4-75
Tributary	Reference	Line	LINE7	LINE7-25
Tributary	Reference	Line	LINE7	LINE7-50
Tributary	Reference	Line	LINE7	LINE7-75
Mainstem	Exposed	Michel	MICH1	MICH1-25
Mainstem	Exposed	Michel	MICH1	MICH1-50
Mainstem	Exposed	Michel	MICH1	MICH1-75
Mainstem	Exposed	Michel	MICH2	MICH2-25
Mainstem	Exposed	Michel	MICH2	MICH2-50
Mainstem	Exposed	Michel	MICH2	MICH2-75
Mainstem	Exposed	Michel	MICH3	MICH3-25
Mainstem	Exposed	Michel	MICH3	MICH3-50
Mainstem	Exposed	Michel	MICH3	MICH3-75
Mainstem	Exposed	Michel	MICH4	MICH4-25
Mainstem	Exposed	Michel	MICH4	MICH4-50
Mainstem	Exposed	Michel	MICH4	MICH4-75
Mainstem	Reference	Michel	MICH5	MICH5-25

Strata	Type	Stream	Reach	Site
Mainstem	Reference	Michel	MICH5	MICH5-50
Mainstem	Reference	Michel	MICH5	MICH5-75
Mainstem	Exposed	Mickelson	MICK1	MICK1-25
Mainstem	Exposed	Mickelson	MICK1	MICK1-37.5
Mainstem	Exposed	Mickelson	MICK1	MICK1-50
Mainstem	Exposed	Mickelson	MICK1	MICK1-62.5
Tributary	Exposed	Mickelson	MICK1	MICK1-75
Tributary	Exposed	Mickelson	MICK1	MICK1-87.5
Tributary	Exposed	Mickelson	MICK2	MICK2-25
Tributary	Exposed	Mickelson	MICK2	MICK2-37.5
Tributary	Exposed	Mickelson	MICK2	MICK2-50
Tributary	Exposed	Mickelson	MICK2	MICK2-62.5
Tributary	Exposed	Mickelson	MICK2	MICK2-75
Tributary	Exposed	Mickelson	MICK2	MICK2-87.5
Tributary	Exposed	Milligan	MILL1	MILL1-0
Tributary	Exposed	Milligan	MILL2	MILL2-0
Tributary	Exposed	Milligan	MILL2	MILL2-14.3
Tributary	Exposed	Milligan	MILL2	MILL2-29.9
Tributary	Exposed	Milligan	MILL2	MILL2-42.6
Tributary	Exposed	Milligan	MILL2	MILL2-55.2
Tributary	Exposed	Milligan	MILL2	MILL2-71.5
Tributary	Exposed	North Thompson	NTHO1	NTHO1-12.5
Tributary	Exposed	North Thompson	NTHO1	NTHO1-25
Tributary	Exposed	North Thompson	NTHO1	NTHO1-37.5
Tributary	Exposed	North Thompson	NTHO1	NTHO1-50
Tributary	Exposed	North Thompson	NTHO1	NTHO1-62.5
Tributary	Exposed	North Thompson	NTHO1	NTHO1-75
Tributary	Exposed	North Willow	WILN2	WILN2-25
Tributary	Exposed	North Willow	WILN2	WILN2-50
Tributary	Exposed	North Wolfram	NWOL1	NWOL1-25
Tributary	Exposed	Otto	OTTO1	OTTO1-0
Tributary	Exposed	Otto	OTTO3	OTTO3-25
Tributary	Exposed	Otto	OTTO3	OTTO3-50
Tributary	Exposed	Otto	OTTO3	OTTO3-75
Tributary	Exposed	Pengally	PENG1	PENG1-0
Tributary	Exposed	Pengally	PENG1	PENG1-50
Tributary	Exposed	Porter	PORT1	PORT1-0
Tributary	Exposed	Porter	PORT3a	PORT3a-12.5
Tributary	Exposed	Porter	PORT3a	PORT3a-25
Tributary	Exposed	Porter	PORT3a	PORT3a-37.5
Tributary	Exposed	Porter	PORT3b	PORT3b-50
Tributary	Exposed	Porter	PORT3b	PORT3b-62.5
Tributary	Exposed	Porter	PORT3b	PORT3b-75
Tributary	Exposed	Sawmill	SAWM1	SAWM1-0
Tributary	Exposed	Sawmill	SAWM1	SAWM1-50
Tributary	Exposed	Sawmill	SAWM2	SAWM2-25
Tributary	Exposed	Sawmill	SAWM2	SAWM2-50
Tributary	Exposed	Site18	SITE	SITE-18
Tributary	Exposed	Six Mile	SIXM1	SIXM1-25

Strata	Type	Stream	Reach	Site
Tributary	Exposed	Six Mile	SIXM1	SIXM1-50
Tributary	Exposed	Six Mile	SIXM1	SIXM1-75
Tributary	Exposed	Smith Pond Outlet	SPOU1	SPOU1-0
Tributary	Reference	South Line	SLINE2	SLINE2-25
Tributary	Reference	South Line	SLINE2	SLINE2-50
Tributary	Reference	South Line	SLINE2	SLINE2-75
Tributary	Exposed	South Pit	SPIT1	SPIT1-0
Tributary	Exposed	Willow South	WILS1	WILS1-25
Tributary	Exposed	Willow South	WILS1	WILS1-50
Tributary	Exposed	SouthWolfram	SWOL1	SWOL1-16
Tributary	Exposed	SouthWolfram	SWOL1	SWOL1-25
Tributary	Exposed	SouthWolfram	SWOL1	SWOL1-32.1
Tributary	Exposed	SouthWolfram	SWOL1	SWOL1-7.5
Tributary	Exposed	Spring	SPRI1	SPRI1-0
Tributary	Exposed	Stream 02	STR02	STR02-25
Tributary	Exposed	Stream 02	STR02	STR02-50
Tributary	Exposed	Stream 02	STR02	STR02-75
Tributary	Exposed	Stream 14	STR14	STR14-25
Tributary	Exposed	Thompson	THOM2	THOM2-25
Tributary	Exposed	Thompson	THOM2	THOM2-50
Tributary	Exposed	Thompson	THOM2	THOM2-75
Tributary	Exposed	Thompson	THOM3	THOM3-12.5
Tributary	Exposed	Thompson	THOM3	THOM3-25
Tributary	Exposed	Thompson	THOM3	THOM3-37.5
Tributary	Exposed	Thompson	THOM3	THOM3-50
Tributary	Exposed	Thompson	THOM3	THOM3-62.5
Tributary	Exposed	Thompson	THOM3	THOM3-75
Tributary	Exposed	Thompson	THOM4	THOM4-25
Tributary	Exposed	Thompson	THOM4	THOM4-50
Tributary	Exposed	Thompson	THOM4	THOM4-75
Tributary	Exposed	Thresher	THRE1	THRE1-25
Tributary	Exposed	Thresher	THRE1	THRE1-50
Tributary	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-25
Tributary	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-50
Tributary	Exposed	Unnamed Trib South of Sawmill	USOS1	USOS1-75
Tributary	Exposed	Upper Thompson	UTHO1	UTHO1-25
Tributary	Exposed	Upper Thompson	UTHO1	UTHO1-50
Tributary	Exposed	Upper Thompson	UTHO1	UTHO1-75
Tributary	Exposed	Upper Thompson Pond Outlet	UTPO1	UTPO1-0
Tributary	Exposed	Wolf	WOL1	WOL1-25
Tributary	Exposed	Wolf	WOL1	WOL1-50
Tributary	Exposed	Wolfram	WOLF2	WOLF2-75
Tributary	Exposed	Wolfram	WOLF3	WOLF3-25
Tributary	Exposed	Wolfram	WOLF3	WOLF3-50
Tributary	Exposed	Wolfram	WOLF3	WOLF3-75