



**Triahn Enterprises Ltd**  
Attn: Dave McDonald  
Diamond West Builders Ltd.  
Armstrong B.C.

May 5, 2009

**Site Visit at proposed site of the Upper McLeod Road Subdivision, Armstrong BC:  
Status of Alderson Creek (WSC<sup>1</sup> 128-835500-19600-49900)**

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Dave McDonald contacted the undersigned by phone to request a site visit to determine the status of the potential channel within a proposed development. Alderson Creek flows through the property and may have been subject to the Riparian Areas Regulation. The channel exits the southern boundary of the property, (Figures 1& 2).

A preliminary site visit was conducted on April 21, 2009 with the developer and landowner. The QEP traversed the ridge parallel to Alderson Creek and noted a defined channel with evidence of alluvial deposition and flow scour however flow was intermittent and became subsurface at several locations. A cistern was utilized to accumulate groundwater and was overflowing into the channel providing flow immediately downstream of the cistern however the channel upstream was dry.

A formal site visit was conducted on April 30, 2009 to determine the connectivity of Alderson Creek with fish-bearing water. Within the property boundary, Alderson Creek consisted of a moderate gradient channel with cobble/ gravel substrate having intermittent flow. Downstream of the property boundary, the channel had been diverted into a constructed channel which crossed Upper McLeod Road and runs parallel to Lochart Road. The channel was then diverted into an open grass lined ditch which has no fish habitat value.

A view of historical mapping confirmed that Alderson Creek was originally a tributary of Fortune Creek (WSC 128-835500-19600) however has been diverted and no longer has connection to Fortune Creek (Figure 3).

Evidence of a defined channel, alluvial deposition or fluvial scour was not identified downstream of grass lined ditch, (Figure 11). Therefore, it is the opinion of the undersigned that the diversion channel does not meet the definition of a stream under section 1(1) of the Riparian Areas Regulation, (RAR) and not trigger RAR for the following reasons:

- ✕ Absence of a defined channel with evidence of alluvial deposition, flow scour downstream of the diversion channel
- ✕ No evidence fish habitat downstream of the diversion channel
- ✕ No evidence of surface flow connection to fish-bearing water .

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<sup>1</sup> WSC – Watershed Code – unique identifier for Alderson Creek  
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Compliance with the Riparian Areas Regulation does not exempt anyone from complying with other applicable federal or provincial laws, local government by-laws or related environmental legislation.

The channel within the property is disconnected from fish habitat however does provide valuable riparian habitat therefore it is recommended that a minimum riparian buffer of 10m on either side of the channel remain. The riparian buffer will ensure the continued protection of habitat utilized by amphibians, reptiles and wildlife. (In order to support the proposed hiking trail adjacent to the channel, specific crossings should be designated and the trail located a minimum distance of 10m from the channel.)

If you have any questions regarding the information contained in this letter, please feel free to contact the undersigned at your convenience.

Sincerely,



Michele Trumbley, RP Bio.  
Trumbley Environmental Consulting Limited

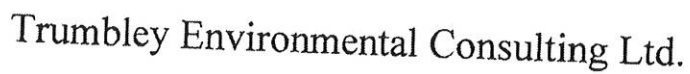
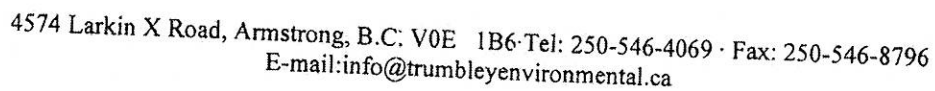


Figure 1- Subdivision Plan





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Figure 2 – Inset map of Alderson Creek within parcel

