

Worksheet 7: Qualitative Worksheet for Stream Adverse Impacts

Project Name:	Twin Pines Heavy Minerals Mine - Keystone
Impact Reach Name:	S1
Linear Feet of Impact ( <i>Feet</i> ):	297
Stream Type:	Intermittent/Ephemeral Streams
Date:	July 1, 2019

**Impact Factors**

1. Stream Qualitative Functional Capacity Score (*SQFC*)

**Index Description**

**Index Value**

Moderate

0.75

2. Type of Impact (*Impact*)

Discharge of Fill (Including Culverts)

1.00

3. Product of SQFC and Impact (*SQFC Impact*) =

0.75

4. Duration of Impact (*Duration*)

Permanent/Reoccurring

1.00

5. Product of SQFC Impact and Duration (*Total SQFC Impact*) =

0.75

6. Product of Total SQFC Impact and Linear Feet (***Total 2018 Stream Credits Owed***) =

**133.65**

7. Conversion of Total 2018 Stream Compensation to Grandfathered Credits (***Grandfathered Stream Credits Owed***) =

**1,603.80**

**Legend**

Green Cells = User must manually input information.

Orange Cells = User must select the index choice from the drop-down list.

Grey Cells = The calculation of these cells is automated.