

Worksheet 2: Qualitative Worksheet for Stream Adverse Impacts

Project Name:	Twin Pines Heavy Minerals Mine - Adirondack
Impact Reach Name:	S5
Linear Feet of Impact ( <u>Feet</u> ):	639
Stream Type:	Intermittent/Ephemeral Streams
Date:	July 1, 2019

**Impact Factors**

	<u>Index Description</u>	<u>Index Value</u>
1. Stream Qualitative Functional Capacity Score ( <u>SQFC</u> )	Moderate	0.75
2. Type of Impact ( <u>Impact</u> )	Discharge of Fill (Including Culverts)	1.00
3. Product of SQFC and Impact ( <u>SQFC Impact</u> ) =		0.75
4. Duration of Impact ( <u>Duration</u> )	Permanent/Reoccurring	1.00
5. Product of SQFC Impact and Duration ( <u>Total SQFC Impact</u> ) =		0.75
6. Product of Total SQFC Impact and Linear Feet ( <b><u>Total 2018 Stream Credits Owed</u></b> ) =		<b>287.55</b>
7. Conversion of Total 2018 Stream Compensation to Grandfathered Credits ( <b><u>Grandfathered Stream Credits Owed</u></b> ) =		<b>3,450.60</b>

**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.