

Worksheet 1: Qualitative Worksheet for Stream Adverse Impacts

Project Name:	Twin Pines Heavy Minerals Mine - Adirondack
Impact Reach Name:	S1i
Linear Feet of Impact (<u>Feet</u>):	2,238
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 (<u>Total 2018 Stream Credits Owed</u>) =		1,007.10
7. Conversion of Total 2018 Stream Compensation to Grandfathered Credits (<u>Grandfathered Stream Credits Owed</u>) =		12,085.20

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.