

COASTAL PLAIN QUALITATIVE STREAM ASSESSMENT

Project Name:	Twin Pines Heavy Minerals Mine		
Impact Reach Name:	S7		
Stream Type:	Ephemeral/Intermittent		
Catchment Size (in Acres):	28.00	Sq. Mi.:	0.04
SAR Center Coordinates:	30.53129959, -82.10669708		
Date:	7/1/2019		

Hydrology - 1

Value	Questions
Yes	The surface and groundwater hydrology of the assessment reach are free of upstream catchment impairments (e.g., diversions, stormwater management structures, wastewater facilities, agricultural ditches)? (Y/N)
No	Is the contributing drainage basin of the assessment reach at least 50 percent forested? (Y/N)
FUNCTION SCORE	Moderate

Hydraulics - 2

Value	Questions
Yes	Is the assessment reach connected to it's floodplain at bankfull event? (Y/N)
No	Are there headcuts in the assessment reach? (Y/N)
No	Has the assessment reach been previously straightened? (Y/N)
FUNCTION SCORE	High

Geomorphology - 3

Value	Questions
Yes	Does the assessment reach have bedform diversity (i.e., the presence of riffle/pool or step/pool complexes)? (Y/N)
No	Is there high bank erosion present throughout the assessment reach? (Y/N)
Yes	Is there large woody debris (LWD) in the assessment reach? (Y/N)
Yes	Is there a woody riparian buffer (i.e., 25 feet in width) adjacent to both sides of the assessment reach? (Y/N)
FUNCTION SCORE	High

Chemistry - 4

Value	Questions
No	Is the contributing drainage basin of the assessment reach at least 50 percent of the forested? (Y/N)
No	Is the assessment reach designated as an impaired water on the most recent 303(D)/305(b) list?
FUNCTION SCORE	Moderate

Biology - 5

Value	Questions
Yes	Is there habitat diversity in the assessment reach (i.e., at least 3 of the following: riffles, pools, steps, overhangs, leaf packs, woody debris)?
No	Is the contributing drainage basin of the assessment reach at least 50 percent of the forested? (Y/N)
SUM	Moderate

STREAM QUALITATIVE FUNCTIONAL CAPACITY SCORE	Moderate
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Legend

- Green Cell = 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.
- Dark Grey Cells = These cells do not require input. The corresponding index value is populated from the user input to a previous question.