

From: [Howard, Stephanie J](#)
To: [Joe Shotwell](#)
Subject: downstream train info
Date: Friday, July 14, 2023 7:46:00 AM
Attachments: [image001.png](#)
[image002.png](#)

Hi Joe,

I was thinking about the downstream train info and what you said about a lot of it being proprietary information. The Uinta Basin Railway analyzed it in terms of trains per day and accidents per year. See snips below. I think a similar approach for wildcat would be ideal. UBR said its data came from online, but I haven't been able to get the link to work. It's working today, but I'm not exactly sure which lines I need to be querying in the database. Here is the reference in the EIS.

Federal Railroad Administration (FRA). 2020. Data Analyses, January 2016 through December 2019.

Available:

<https://safetydata.fra.dot.gov/OfficeofSafety/publicsite/query/TrainAccidentsFYCYWithRates.aspx>.

Accessed: June 19, 2020.

If you and UP can help me extract the correct the data, that would be extremely helpful!

Thanks.

Table 3.2-1. Downline Segment Rail Traffic and Predicted Accidents per Year

Downline Segment ^a	Miles ^a	Distance from Kyune	Trains per Day ^a	Predicted Accidents per Year ^b
Kyune to Denver				
Kyune to Grand Junction	189.4	0-189.4	8	1.1
Grand Junction to Denver	268	189.4-457.4	11	0.54
Denver Eastbound	59	460.6-519.6	3	0.032
Denver Southbound				
Southbound-a	12.4	268-280.4	38	0.086
Southbound-b	4.2	280.4-284.6	20	0.015
Denver Northbound				
Northbound-a	27.2	460.6-487.8	14	0.069
Northbound-b	42	487.8-529.8	10	0.077
Denver East/North	3.2	457.4-460.6	25	0.015

Notes:

^a Miles and train counts derived from the downline analysis.

^b Accidents were calculated as part of this analysis.

Table 3.2-2. Predicted Annual Train Accidents by Downline Segment

Downline Segment	Length (miles)	Predicted Accidents per Year				
		Baseline	High Rail Traffic-loaded	High Rail Traffic-unloaded	Low Rail Traffic-loaded	Low Rail Traffic-unloaded
Kyune to Denver	457.4	1.6	0.89	0.89	0.31	0.31
Denver Eastbound	59	0.032	0.0059	0.0059	0.0022	0.0022
Denver Southbound	16.6	0.10	0.0017	0.0017	0.00061	0.00061

These requirements are similar to those for unit trains of more flammable crude oil
[http://dothazmat.vividlms.com/docs/Emergency-Response/TRIPR%20HHFT%20ER%20Supplement%20\(R%209.3\).pdf](http://dothazmat.vividlms.com/docs/Emergency-Response/TRIPR%20HHFT%20ER%20Supplement%20(R%209.3).pdf).

Downline Segment	Length (miles)	Predicted Accidents per Year				
		Baseline	High Rail Traffic-loaded	High Rail Traffic-unloaded	Low Rail Traffic-loaded	Low Rail Traffic-unloaded
Denver Northbound	69.2	0.15	0.046	0.046	0.016	0.016
Denver East/North	3.2	0.015	0.0025	0.0025	0.00085	0.00085

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