Troubled Bridges Over Clean Water

A Study of Neglected Railroad Bridges of Grays Harbor
Grays Harbor County Railroad Crossings

PSAP- Puget Sound & Pacific Railroad

Crossings 1-15 are **before the fork**
Crossing 16-20 are on **north fork**
Crossing 21-28 are on **south fork**
Troubled Bridges Over Clean Water

_A study of the rail bridges on the PSAP short-line from Centralia to Hoquiam._

These bridges were inspected by a Citizens Taskforce to identify the condition and maintenance status of the rail line that was acquired by Genesee & Wyoming in 2012. The rail system in this area transports freight over almost all the area we observed, but it interchanges with the BNSF and Union Pacific at Centralia, WA. All of the waterways under the 23 bridges crossed by this rail system flow into the Chehalis and ultimately into the Grays Harbor estuary.

Between March 19th and March 22nd 2016, Lee First, from North Sound Baykeeper and RE Sources for Sustainable Communities, Keith Kemplin, a RE Sources volunteer, and several volunteers from Grays Harbor gathered to plan the inspection 23 bridges in the area between Rochester and Hoquiam, Washington.

During the session, bridge inspection protocol developed by the Waterkeeper Alliance for their report about the condition of bridges, the Deadly Crossings Project was reviewed. The training session also provided an overview about stormwater pollution, as well as information about how to report pollution observations. We explained which businesses in the Grays Harbor area are covered under National Pollutant Discharge and Elimination System (NPDES) permits, and how to research these permits to determine if businesses are in compliance with their permits. Finally, we provided a very brief overview of the work Waterkeepers do. After the session, we made plans to visit bridges with several of the attendees.
The line was first built in 1889 and was operated as the Puget Sound and Grays Harbor (PS&GH). By 1891, the Tacoma, Olympia and Grays Harbor (TO&GH) purchased more track from Elma and Montesano. The Northern Pacific acquired all lines in the area and had full access to Grays Harbor by 1898. 1970 saw Northern Pacific merging with Burlington Northern who later (1997) sold the line to ParkSierra Railgroup, which began operating the railroad under the name Puget Sound & Pacific Railroad. RailAmerica purchased the line in 2002 and its most current owner, Genesee & Wyoming purchased the assets in 2012.

The Elma Subdivision is the primary mainline for the Puget Sound and Pacific Railroad and is approximately 70 miles in length. The Elma Sub starts in Centralia, Washington, Milepost 5, and ends in Hoquiam, Washington, Milepost 75. This subdivision handles traffic to and from the Port of Grays Harbor including grain, autos, soda ash, soybean, garbage, manifest, and local trains. The railline path crosses over 100 creeks, rivers and streams most of which are fish-bearing, in addition to important agricultural lands and countless critical wetlands. Ten miles of that track snakes through the Chehalis Basin Surge Plain, a sensitive wetland which is critical habitat to maturing salmonids and other wildlife.
Cracks in the foundation were observed as well as disconnected and rotten crossbeams. Evidence of eroded steel beams, cracked cross beams and missing cross beam bolts. Last marked inspection was 1992.
2. Wishkah River Bridge
46°58’29” N, 123°48’37” W, 410 South F St Aberdeen, WA 98520

Eroded and cracked cross beams were observed. In addition, there was unguarded wiring and many rust-eaten beams.
3. Unnamed crossing- over Chehalis River

46°58′29.81″N, 123°46′12.45″W, 301 Junction City Rd, Aberdeen, WA 98520

Might be on private property, address given for Sierra Pacific Industries

Bridge is circle to the right
4. Unnamed crossing- over Chehalis River

46°58′24.16″N, 123°45′5.01″W, 4201 Olympic Hwy Aberdeen, WA 98520

On south end of the Central Transfer property

Rotted, truncated and disconnected cross beams. Heavily rusted bolt and cracked beams. Inspected 1990.
5. Unnamed crossing- Elliot Slough

46°58′13.10″N, 123°44′41.17″W, 4801 Olympic Hwy Aberdeen, WA 98520

Debris, loose and missing spikes. Shifted tie and one unsupported tie. Rusted steel.
6. Unnamed crossing- Mox Chuck Slough

46°57’40.12”N, 123°43’19.74”W, 5300 Central Park Dr Aberdeen, WA 98520

Cracked cross-beam, debris in-stream and at edge.
7. Unnamed crossing- Higgins Slough
46°57’56.54”N, 123°40’1.38”W, 80 Timberview Ln Montesano, WA 98563

All four lateral angle braces rusted, debris along channel bed and creek
Foundation shows cracks and leaching. Extreme rust throughout. Rust-eaten beams and cross member. Debris at the side of the bed and leading to the water.
9. Unnamed crossing- Sylvia Creek

46°58'28.85”N, 123°36'46.30”W, 48 Devonshire Rd Montesano, WA 98563

Cut crossbars, gravel in the creek. Debris on track side and rotted ties visible. Inspection date 1996.
10. Unnamed crossing- Camp Creek

46°59’7.74”N, 123°33’27.38”W, 221 Monte Elma Rd Montesano, WA 98563

Gravel in the stream, old creosote timbers along the track and debris in the stream
11. Unnamed crossing - unnamed creek

46°59’57.04″N, 123°29’53.25″W, No good address

Off of Monte Elma Rd, quarter mile west of next address

Cracked crossbeams, evidence of crossbeam end rot.
Partially disconnected cross-beam. Inspected 1993
12. Satsop River Bridge

47°00’01” N, 123°29’40” W, 746 Monte Elma Rd Elma, WA 98541

East approach has burnt and cracked timbers, supports and cross-beams. Last inspected 1992
13. Unnamed crossing- Henson Creek
47° 0’2.47”N, 123°29’33.06”W, 746 Monte Elma Rd Elma, WA 98541

14. Unnamed crossing- Newman Creek
47° 0’22.28”N, 123°28’8.94”W, 930 Monte Elma Rd Elma, WA 98541
15. Unnamed crossing - Vance Creek
47° 0’25.08”N, 123°25’48.45”W,

16. Unnamed crossing - McDonald Creek
47° 0’33.72”N, 123°23’32.01”W, 618 Oakhurst Dr Elma, WA 98541
17. Cloquallum Creek Bridge
47°01’19” N, 123°21’51” W, 213 Elma McCleary Rd Elma, WA 98541

18/19. Wildcat Creek Bridge (1 & 2)
47°01’28” N, 123°21’33” W, 233 Elma McCleary Rd
20. Unnamed crossing- West Fork Wildcat Creek
47° 2'34.02"N, 123°19'20.34"W

21. Possible crossing- McDonald Creek
47° 0'15.42"N, 123°23'47.02"W, 107 E Waldrip St Elma, WA 98541
22. Unnamed crossing- Cloquallum Creek
46°59′46.34”N, 123°23′13.68”W, 4800 US-12 Elma, WA 98541

23. Unnamed crossing- Mox Chehalis Creek
46°57′22.90”N, 123°19′38.77”W, 5391 US-12 Malone, WA 98559
24. Unnamed crossing- Porter Creek
46°56′15.22″N, 123°18′38.85″W, 3 Porter Creek Rd Elma, WA 98541

25. Unnamed crossing- Gibson Creek
46°54′11.04″N, 123°17′30.10″W, 6135 US-12 Oakville, WA 98568
26. Unnamed crossing- Cedar Creek
46°52’46.36”N, 123°16’19.44”W, Just south of US-12-Cedar Creek Rd intersection

27. Possible crossing- Harris Creek
46°50’18.19”N, 123°13’3.66”W, Off of US-12 just south of Oakville
28. Possible crossing- Roundtree Creek

46°50’11.78”N, 123°12’38.55”W, Off of US-12 just south of Oakville
Field Rail Inspection Form

1. Date and Time of Inspection: 3/19/2016 12:30 AM PM

2. GPS Location of the Bridge: Latitude: 46° 08’ 19” N Longitude: 12° 35’ 53” W

3. What body of water does the bridge run over? Haquim River

4. Please take a photo of the bridge from a distance and note the label of the picture.

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

10. Describe any placards or company names you saw:

Oseme 1992 - 5347  Ken Ely Foreman - 5369 (misc)
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Econo Lodge Inn & Suites to northwest

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural / [ ] Urban / [ ] Suburban / [ ] Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/21/16 10 AM PM
   and 3/19/2016 4:30 PM

2. GPS Location of the Bridge: Latitude: 44° 58' 19" N, Longitude: 123° 52' 35" W

3. What body of water does the bridge run over? Wishkah River

4. Please take a photo of the bridge from a distance and note the label of the picture.
   [Photo label: DSCN 5529]

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   [Photograph labels: 5785, 5786, 5530, 6784]

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   See #5 above, #6 below

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.
   Eroded cross beam - 5518, 5521, 5524
   Cracked cross beam - 5523, 5531

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.
   Rust: 6787, 6788, 6789, 6792-6803
   Rust eaten beam: 6790, 6791
   Unguarded wiring - 6802
   Oil Trains

10. Describe any placards or company names you saw:
    NA
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Grays Harbor Equipment Co to west Walmart to east

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Next to Aberdeen Hotel - 5532
Next to Safeway (west?)

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/20/2016 4:45 AM

2. GPS Location of the Bridge: Latitude: 46°58'24.16"N Longitude: 123°45'50.1"W

3. What body of water does the bridge run over? Elliot Slough 2 Grays Harbor Transfer

4. Please take a photo of the bridge from a distance and note the label of the picture:

DSCN 5438

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

Missing shim? - 5447

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

- Old rotten cross beams - 5441
- Cracked beam - 5444
- Disconnected cross beam - 5442
- Rafted end - 5445
- Heavily rotted bolt - 5452
- Oil Trains - 5454
- Debris - 5457

10. Describe any placards or company names you saw:

O'Sman 1990 Kenneth Edy Foreman - 5449
65.6 - 5457
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Grays Harbor Transfer adjacent to north

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Behind Grays Harbour Transfer

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 2/20/2016 5:15 AM

2. GPS Location of the Bridge: Latitude: 46°58'13.10"N Longitude: 123°41'41.17"W

3. What body of water does the bridge run over? Elliot Slough

4. Please take a photo of the bridge from a distance and note the label of the picture.

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Debris: 5470, 5477, 5480, 5484, 5485
   Rusty steel: 5473, 5474, 5475, 5483, 5487, 5488
   Oil Trains

10. Describe any placards or company names you saw:

   652 - 5489

   Between bridge 4+5:
   Debris: 5454, 5460, 5463, 5467
   Loose Spikes: 5461, 5462
   Oil on tie - 5466

   Unsupported tie - 5494 (misc)
   Shifted tie - 5496 (misc)
   Debris 5508 - 5510 (misc)
11. If you can, estimate how many oil tank cars there were on the train:  

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:  

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.  

Transportation department to east

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.  

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.  

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.  

NA

22. Please note how populated the area around the bridge is:  

Circle one:  

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 5/20/2016 6 AM/PM

2. GPS Location of the Bridge: Latitude: 46°57'40.12"N Longitude: 123°43'19.74"W

3. What body of water does the bridge run over? Mex Chuck Slough L

4. Please take a photo of the bridge from a distance and note the label of the picture.

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   NO

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   NO

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   NO

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   NO

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Cracked cross beam 5512, 5513
   Debris 5515 In stream 5514
   Oil Trains

10. Describe any placards or company names you saw:

    L23, 9 -5511

    1
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Grays Harbor Country Club to northwest

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

- Rural
- Urban
- Suburban
- Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 2/12/2016 10:45 AM

2. GPS Location of the Bridge: Latitude: 46°57'56.54"N Longitude: 123°40'1.38"W

3. What body of water does the bridge run over? Higgins Slough

4. Please take a photo of the bridge from a distance and note the label of the picture: DSCN5538

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   All 4 lateral angle braces rusted - 5540, 5541
   Debris - 5542, 5535, 5536
   Oil Trains

10. Describe any placards or company names you saw:

    61 - 5534 61.3 5537
11. If you can, estimate how many oil tank cars there were on the train:  
NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:  
NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.  
Residential 1/2 mile east and west

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.  
NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.  
NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.  
NA

22. Please note how populated the area around the bridge is:

Circle one:  
(Rural) Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 11:30 AM and 3/19/2016 5:13 PM

2. GPS Location of the Bridge: Latitude: 46°58'15.92"N Longitude: 123°37'32.68"W

3. What body of water does the bridge run over? Wyneoché River

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN 5566  5571

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   5567, 5571, 5573, 5575, 5576, 6865

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Extreme Rust

   Rust: 5552, 5555, 5562, 5570, 5572

   Rust eaten beams: 5553, 5554, 5556, 5571, 5558, 5561, 5567, 5568, 5569, 5545

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Debris: 5546, 5575

   Oil Trains

10. Describe any placards or company names you saw:

    59 - 5544 Osmoste 1996 - 5550
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

U.S. Fish and Wildlife Services to nearly 100 houses adjacent.

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Next to highway 5544

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/8/2016 3:30 AM/PM

2. GPS Location of the Bridge: Latitude: 46°58'28.85"N Longitude: 116°36'46.30"W

3. What body of water does the bridge run over? Sylvia Creek 9

4. Please take a photo of the bridge from a distance and note the label of the picture.
   DSCN 5320

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   Cut crossbeams 5325 5323

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.
   Debris on trackside 5324
   Gravel in creek

10. Describe any placards or company names you saw:
    58.0 - 5321 Osmose 1996 - 5322
11. If you can, estimate how many oil tank cars there were on the train: 

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

NA

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/16 3 AM/FM

2. GPS Location of the Bridge: Latitude: 46°59'7.74"N Longitude: 123°23'27.38"W

3. What body of water does the bridge run over? Camp Creek 10

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN 5313

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   5314

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Gravel in stream 5316 Old corrosive timbers along tracks 5
   Debris in stream 5315

Oil Trains

10. Describe any placards or company names you saw:

    NA
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Houses close to north

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 12 AM/PM

2. GPS Location of the Bridge: Latitude: ___________ Longitude: ___________

3. What body of water does the bridge run over? Swiss Meadows

4. Please take a photo of the bridge from a distance and note the label of the picture:

DS CN 55-78

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

Gravel in creek 5579, 5580, 5582
Old beams on side 5580, 5584, 5578

Oil Trains

10. Describe any placards or company names you saw:

Osmose 1977 Larry ( ) Foreman 5581
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Swiss meadows housing development close to north

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3 22 2016 12 AM PM

2. GPS Location of the Bridge: Latitude: 42°59'57.04" N
   Longitude: 123°29'53.25" W

3. What body of water does the bridge run over? Unnamed near big kairy

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN5586

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   cracked crossbeams 5586, 5587, 5592

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   crossbeam end rot 5588, 5590, 5591

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   partially disconnected cross beam 5594

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

Oil Trains

10. Describe any placards or company names you saw:

    Osmose 1998 Kenneth Edy Foreman 5595
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

House close to the east

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

PA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Large dairy 100-200 yards away to south

22. Please note how populated the area around the bridge is:

Circle one:
- Rural
- Urban / Suburban
- Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/19/2016 a.m./p.m. (a.m.)

2. GPS Location of the Bridge: Latitude: 47° 20' 01" N Longitude: 123° 21' 40" W

3. What body of water does the bridge run over? Satsep River

4. Please take a photo of the bridge from a distance and note the label of the picture: DSCN 5302 looked at east side only

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   East approach burnt & cracked 5305-5308

Oil Trains

10. Describe any placards or company names you saw:

    DSMOSE 1992 Ken Edy Foreman 5301
11. If you can, estimate how many oil tank cars there were on the train:

N/A

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

N/A

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

see #16

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

N/A

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

N/A

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Satsop Landscaping and Nursery adjacent

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 1:30 AM/PM

2. GPS Location of the Bridge: Latitude: 47°0'22.20"N Longitude: 125°28'8.94"W

3. What body of water does the bridge run over? Newman Creek - 14

4. Please take a photo of the bridge from a distance and note the label of the picture: DSCN5289

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Rot in support beam end - 5292, 5293, 5295
   Split cross beam end - 5298

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Old ties left 5294
   Gravel in crest 5296, 5297
   Raised bolt 5291

   Oil Trains

10. Describe any placards or company names you saw:

    51.2 - 5289, 5290
11. If you can, estimate how many oil tank cars there were on the train:

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Home to the south

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

22. Please note how populated the area around the bridge is:

Circle one:
- Rural
- Urban
- Suburban
- Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 1 AM (PM)

2. GPS Location of the Bridge: Latitude: 47° 0' 25.08" N Longitude: 123° 25' 48.45" W

3. What body of water does the bridge run over? Vance Creek

4. Please take a photo of the bridge from a distance and note the label of the picture.
   
5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   
   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Gravel on creek bottom 5283, 5285, 5287

   Oil Trains

10. Describe any placards or company names you saw:

   N/A
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Residential to south

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

- Rural
- Urban
- Suburban
- Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 12:40 AM

2. GPS Location of the Bridge: Latitude: 47°01'19" N  Longitude: 123°21'51" W

3. What body of water does the bridge run over? Cloquallum Creek

4. Please take a photo of the bridge from a distance and note the label of the picture. DSCN 5596

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

Disconnected beam - 5608

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

Rotted cross beam - 5611

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

Some split beams in cribbing - 5602  Debris - 5615
Rotted tie end - 5607  Rusted support - 5609, 5610
Rust at tie - support beam junction - 5613

Oil Trains

10. Describe any placards or company names you saw:

Osmose 1986 - 5599  No trespassing BNSF 2.0 - 5597
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Residence north west

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

- Rural
- Urban / Suburban
- Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 12:40 AM

2. GPS Location of the Bridge: Latitude: 47°01'28"N  Longitude: 123°21'33"W

3. What body of water does the bridge run over? Wildcat Creek - West

4. Please take a photo of the bridge from a distance and note the label of the picture.

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

Oil Trains

10. Describe any placards or company names you saw:
11. If you can, estimate how many oil tank cars there were on the train: 

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.


14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.


15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.


16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.


22. Please note how populated the area around the bridge is:

Circle one:

Rural  Urban  Suburban  Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 3:20 AM (PM)

2. GPS Location of the Bridge: Latitude: ___________ Longitude: ___________

3. What body of water does the bridge run over? Wildcat Creek east

4. Please take a photo of the bridge from a distance and note the label of the picture.
   DSCN 5634

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No, see #9 below

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.
   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.
   Rotted beam end - 5638
   2 broken & rotted cross members on west side
   Oil Trains

10. Describe any placards or company names you saw:
   Not legible in photo 5636
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Residence northwest

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/22/2016 AM/PM

2. GPS Location of the Bridge: Latitude: 47°34'02"N Longitude: 123°19'30"W

3. What body of water does the bridge run over? West Fork Wildcat Creek

4. Please take a photo of the bridge from a distance and note the label of the picture.

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

Oil Trains

10. Describe any placards or company names you saw:
11. If you can, estimate how many oil tank cars there were on the train:

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

22. Please note how populated the area around the bridge is:

Circle one:

Rural / Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 12 AM/PM

2. GPS Location of the Bridge: Latitude: 46°59'46.34"N Longitude: 123°23'13.68"W

3. What body of water does the bridge run over? Cloquallum Creek

4. Please take a photo of the bridge from a distance and note the label of the picture.

\[\text{DSCN 5279}\]

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

\[\text{5276 5277 5274 5275}\]

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

\[\text{No}\]

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

\[\text{Rust 5273}\]

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

\[\text{No}\]

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

\[\text{No}\]

Oil Trains

10. Describe any placards or company names you saw:

\[\text{N/A}\]
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Residence southeast

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

Very near Rohm & Haas Chemical Co.

22. Please note how populated the area around the bridge is:

Circle one:

(Rural) Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 11:30 AM/PM

2. GPS Location of the Bridge: Latitude: 49°57'22.96"N Longitude: 123°19'38.77"W

3. What body of water does the bridge run over? Mey Chehalis Creek

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN5261

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Split is cross support beam 5265

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Rat in abutment side support beam ends 5263

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Cracked old ties with loose nails 5267
   Uneven rails, raised deck beam 5269, 5-270
   Wavy ness, unevenness of tracks

10. Describe any placards or company names you saw:

    NA
11. If you can, estimate how many oil tank cars there were on the train:

   N/A

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

   N/A

   **Area around the bridge and railroad**

13. Take pictures of and attempt to identify any buildings near the bridge.

   Residential to north (Malone)

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

   N/A

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

   N/A

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

   N/A

22. Please note how populated the area around the bridge is:

   **Circle one:**

   - Rural
   - Urban
   - Suburban
   - Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 11 AM/PM

2. GPS Location of the Bridge: Latitude: 46°56'15.22"N Longitude: 123°18'38.85"W

3. What body of water does the bridge run over? Porter Creek 24

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN 5248 5249

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Train debris creekside 5254
   5255 Loose nails in old ties 5257
   Oil Trains

10. Describe any placards or company names you saw:

    Stream 1990 Kenneth Edy Foreman 5249
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Weed shop close north

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

Rural Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016, 10:30 AM

2. GPS Location of the Bridge: Latitude: 40°54'11.04"N, Longitude: 123°17'30.10"W

3. What body of water does the bridge run over? Gibson Creek 25

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN 5235

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   See disconnected bracing below
   Shims missing 5242, 5243, 5244

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Cracked bracing 5236, 5242, 5243, 5246
   Disconnected bracing 5239, 5240, 5241

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Old bridge metal in creek bed 5245
   Flotsam banked against foundation 5235
   Oil Trains

10. Describe any placards or company names you saw:

   No
11. If you can, estimate how many oil tank cars there were on the train:

NA

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

NA

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

Residences to south and southwest

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

NA

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

NA

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

NA

22. Please note how populated the area around the bridge is:

Circle one:

(Rural) Urban / Suburban / Wilderness or Parkland
Field Rail Inspection Form

1. Date and Time of Inspection: 3/18/2016 10 AM/PM

2. GPS Location of the Bridge: Latitude: 46° 52' 46.76" N Longitude: 123° 16' 19.44" W

3. What body of water does the bridge run over? Cedar Creek

4. Please take a photo of the bridge from a distance and note the label of the picture.

   DSCN 5227

Infrastructure Deficiencies

5. Did you observe any cracks in the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Superficial cracking on pier pads.
   DSCN 5819, 20, 24, 25, 27, 28

6. Did you observe any pieces missing from the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

7. Did you observe any deterioration or rotting of the foundation? Please provide detailed narrative and mention the label of related photographs and/or videos.

   Lots of rust, DSCN 5221, 22, 23, 24, 26, 29, Hole in beam 24, 26

8. Did you observe any exposed beams? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

9. Did you observe any other issues with the bridge or rails? Please provide detailed narrative and mention the label of related photographs and/or videos.

   No

Oil Trains

10. Describe any placards or company names you saw:

    No
11. If you can, estimate how many oil tank cars there were on the train:

12. Please describe any indications of structural issues, such as the train wobbling, that you noticed as the train passed by:

Area around the bridge and railroad

13. Take pictures of and attempt to identify any buildings near the bridge.

14. Identify and take pictures of any parks or recreational spots near the bridge or downstream.

15. Provide information about, and, if possible, pictures of, any known drinking water intakes downstream.

16. Describe and take pictures of anything else you think would be threatened by a derailment or spill from the bridge.

22. Please note how populated the area around the bridge is:

Circle one:

(Rural) Urban / Suburban / Wilderness or Parkland