



The Dow Chemical Company
Midland, MI 48674

April 13, 2017

967885

Ms. Mary Logan
Remediation Project Manager
U.S. Environmental Protection Agency, Region 5
77 West Jackson
Chicago, IL 60604

**Re: Tittabawassee River Floodplain 2016 Annual Report-Revision 1
Settlement Agreement No. V-W-15-C-018
The Tittabawassee River/Saginaw River & Bay Site 8-Year Floodplain
Dow Submittal Number: 2017.020**

Ms. Logan:

Attached please find the revised Tittabawassee River Floodplain 2016 Annual Report. The report was developed in accordance with Settlement Agreement No. V-W-15-C-018 (Floodplain AOC) and revised based upon Agency comments. Please let me know if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink that reads "Todd Konechne".

Todd Konechne
The Dow Chemical Company
Project Coordinator

CC: Joseph Victory, MDEQ
Diane Russell, U.S. EPA
Lisa Williams, U.S. Fish and Wildlife

TITTABAWASSEE RIVER FLOODPLAIN
2016 ANNUAL REPORT



Prepared by:
Tittabawassee and Saginaw River Team

Prepared for and Submitted by
The Dow Chemical Company

DATE: April 13, 2017

Dow Submittal Number: 2017.020

Revision 1

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Acronyms and Abbreviations

AOC:	Administrative Settlement Agreement and Order on Consent
CERCLA:	Comprehensive Environmental Response Compensation and Liability Act
Dow:	The Dow Chemical Company
DU:	decision unit
GDIWP:	general design and implementation work plan
ICS:	incremental composite sampling
ppt:	parts per trillion
SWAC:	surface-weighted average concentration
TEQ:	toxic equivalence
USEPA:	US Environmental Protection Agency

1 Introduction

An Administrative Settlement Agreement and Order on Consent (AOC) for removal action in the Tittabawassee River Eight-Year Floodplain (Floodplain AOC) (USEPA 2015; Settlement Agreement No. V-W-15-C-018), was made effective January 8, 2015, directing The Dow Chemical Company (Dow) to implement non-time-critical removal actions to address those areas of floodplain soil in the 8-year floodplain of the lower 21 miles of the Tittabawassee River contaminated with dioxins and furans above site-specific cleanup numbers.

Consistent with the requirements of Part 22b of the Floodplain AOC, Dow prepared this floodplain annual progress report (annual report) to document activities conducted pursuant to the Floodplain AOC during the previous year (i.e., 2016). This annual report provides details regarding implementation of the segment-specific work plans (and any supporting plans) for the reporting period, summarizes the cumulative work under the General Design and Implementation Work Plan (GDIWP; Dow 2015a) since the effective date of the Floodplain AOC, and includes a good faith estimate of the cost of the work to be conducted in the 2017 calendar year.

1.1 Overall Summary of Work Performed in 2016

During 2016, Dow completed a number of actions under the Floodplain AOC which are consistent with the approaches documented in the GDIWP. A schedule is provided in Figure 1 summarizing the current status of proposed floodplain activities for all floodplain segments. The following is a summary of the key achievements from 2016, which are described in further detail in the remaining sections of this report:

- Segment 2 – Work was largely completed in 2015; therefore, 2016 field activities consisted primarily of monitoring properties that received remedy. Additionally, some properties where the land use had not been verified were verified and evaluated. Further details of the work performed in Segment 2 are provided in Sections 2.1, 2.2.1, and 2.4.
- Segment 3 – Land use verifications and incremental composite sampling (ICS) were conducted on a number of properties that were not completed in 2015, and the segment-specific and property-specific work plans were finalized. Between May and October, remedial work was completed on 11 properties. Two property owners declined access for ICS sampling and four decision units (DUs) eligible for remedy did not receive remedy due to the owner declining remedy. Properties that received remedy were monitored after construction, and monitoring will continue in 2017 and 2018. Further details of the work performed in Segment 3 are provided in Sections 2.1, 2.2.2, 2.2.3, 2.3.1, 2.4, and 2.5.
- Segment 4 – The segment-specific work plan, common elements section of the property-specific work plan, and select property-specific design plans were finalized, and the majority of the Segment 4 ICS samples were collected in 2016. Ten properties, which had been confirmed for remedy from ICS results in 2015, were selected to receive early remedial action in 2016 (following discussions with the Agencies and the property owners). Remedy was completed at these 10 properties during September and October 2016, and initial post-construction monitoring was conducted in November. Monitoring will be performed for two

construction growing seasons (2017 and 2018). Property evaluation is ongoing in Segment 4, and, to date, 55 DUs have been identified for remedy, which is anticipated to be completed in 2017. Access for sampling was denied on six DUs in Segment 4. Further details of the work performed in Segment 4 are provided in Sections 2.1, 2.2.4, 2.2.5, 2.3.2, 2.4, and 2.5.

2 Summary of Work Conducted in 2016

This section provides a summary of evaluation, design, and field activities completed during 2016. Evaluation and sampling work discussed in Sections 2.1 and 2.2 have been conducted per the decision rules summarized in the GDIWP (Dow 2015a), which was reviewed by the Agencies and approval was given to move forward with sampling and cleanup; however, USEPA is still evaluating the decision rules.

2.1 Evaluation Using Existing Data

Property screening and subsequent identification and evaluation of DUs were conducted for Segments 2, 3, and 4 consistent with approaches summarized in the Segment 2-, Segment 3-, and Segment 4-specific work plans (Dow 2016a, 2016b, and 2016c, respectively). As identified in the work plans, DUs are defined based on land use and size of an area within the 8-year floodplain of a property. Dow also continued working throughout 2016 to verify land use types for properties in Segments 2, 3, and 4 that had not previously been verified. The current status of the property land use verification process for Segments 2, 3, and 4 is provided in Table 1. In some cases, land use verification activities were completed on a property after submittal of the final segment-specific work plans and led to changes in DU layout and estimated surface-weighted average concentration (SWAC). This occasionally led to a DU being added or removed from the list of properties for sampling. The current evaluation status for each property in Segments 2, 3, and 4 is provided in Table 2.

2.2 Field Sampling

2.2.1 Segment 2 Incremental Composite Sampling

As part of the adaptive management activities the United States Environmental Protection Agency (USEPA) requested Dow to sample other land use DUs with SWACs above 1,600 parts per trillion toxic equivalence (ppt TEQ). This change triggered an additional DU (S2_32_DU01) for sampling in Segment 2. This DU was not sampled in 2016 due to access restrictions. Sampling will be scheduled as soon as access is acquired.

2.2.2 Segment 3 Incremental Composite Sampling

The majority of Segment 3 sampling was completed in 2015 consistent with the Segment 3-Specific Work Plan, which was submitted in draft on August 7, 2015, and finalized on April 1, 2016 (Dow 2016b). Additional sampling was conducted in several Segment 3 DUs in 2016 as detailed below (land use type and sample collection dates are indicated in parentheses):

- S3_010_DU01 (Maintained; July 11, 2016) – sampled following owner approval to access the property
- S3_024_DU01 (Maintained; May 13, 2016) – sampled following a revision to its land use
- S3_032_DU01 (Other; August 16, 2016) – sampled as a data gap property
- S3_050_DU01 (Maintained; August 10, 2016) – sampled following owner approval to access the property
- S3_065_DU01 (Maintained; April 26, 2016) – sampled as a data gap based on the ICS concentration in an adjacent DU
- S3_066_DU01 (Maintained; June 27, 2016) – sampled as a data gap based on the ICS concentration in an adjacent DU

A summary of properties/DUs sampled in Segment 3 to date is provided in Table 3, below:

Table 3. Summary of Segment 3 Properties/DUs Sampled to Date

Total Number of Properties / DUs Evaluated	Number of DUs Identified for Sampling ¹			Number of DUs Sampled ¹			
	Maintained	Other	Total	Year	Maintained	Other	Total
103 / 138	21	12	33	2015	15	10	25
				2016	5	1	6
				Total	20	11	31

Notes:

1. Properties selected randomly for replicate sampling are included in the numbers in the above table. See Section 2.2.6 for additional replicate sampling information.
2. Two DUs remain to be sampled in Segment 3 (to date, property owners have not provided access for sampling). Additional efforts may be taken to obtain access for sampling and remaining DUs not sampled will be monitored as part of the post-removal site control process required under the Floodplain AOC¹.

¹ Part 21 of the Floodplain AOC requires a Post-Removal Site Control Plan to be developed to provide details on proposed periodic monitoring of the floodplain and procedures for operation and maintenance. This plan will include procedures to monitor properties for changes in land use or where the property owner has declined sampling and/or remedy. The Post-Removal Site Control Plan will be submitted later in 2017.

Sampling results for all Segment 3 samples collected in 2015 and 2016 were received in 2016. A summary of the Segment 3 sampling results is provided in Table 4, below.

Table 4. Summary of Segment 3 Sampling Results

DU ID	Land Use	Estimated SWAC (ppt TEQ)	Composite Result (ppt TEQ)
S3_004_DU01	Other	1,303	752
S3_005_DU01	Maintained	118	233
S3_005_DU02	Other	2,064	1,970
S3_006_DU01	Maintained	373	532
S3_010_DU01	Maintained	873	945
S3_012_DU01	Maintained	640	567
S3_024_DU01	Maintained	665	348
S3_032_DU01	Other	19	276
S3_039_DU01	Maintained	413	524
S3_040_DU01	Maintained	753	524
S3_042_DU01	Other	1,335	1,043
S3_044_DU01	Other	1,841	1,570
S3_047_DU01	Maintained	550	385
S3_049_DU01	Maintained	1,250	1,040
S3_050_DU01	Maintained	1,340	1,350
S3_060_DU01	Other	628	582
S3_062_DU01	Maintained	696	374
S3_063_DU01	Maintained	436	266
S3_064_DU01	Maintained	130	358
S3_065_DU01	Maintained	57	322
S3_066_DU01	Maintained	37	80
S3_071_DU01	Other	2,093	1,170
S3_072_DU01	Maintained	112	79
S3_072_DU02	Other	3,042	1,780
S3_073_DU01	Other	2,196	634
S3_077_DU01	Maintained	94	84
S3_078_DU01	Maintained	161	156
S3_081_DU01	Maintained	196	105
S3_081_DU02	Maintained	179	105
S3_82-86_DU04	Other	1,424	3,160
S3_134_DU01	Other	621	353

Note: In the case of replicate samples, an average of the replicate results is provided. See Section 2.2.6 for additional replicate sampling information.

Three additional properties were sampled in 2016 per owner request. These included the following:

- S3_068 (Sampled August 8, 2016)
- S3_098 (Sampled August 5, 2016)
- S3_107 (Sampled August 8, 2016)

The results for each of the above properties were below the screening level of 90 ppt TEQ.

2.2.3 Segment 3 Delineation Sampling

In some DUs that required remedy, further delineation sampling was conducted to define areas for remediation. The approach used to delineate remedial areas is outlined in the Segment 3 Property-Specific Work Plan (Dow 2016d). Maintained areas (typically at higher elevations) where soil concentrations were anticipated to be lower than the cleanup action level of 200 ppt TEQ were sampled as part of these delineation efforts. Delineation sampling was conducted in the following DUs in Segment 3:

- S3_005_DU01: Delineation sampling conducted in May 2016 resulted in a reduction of the remedial area (see S3_005_DU01 completion report for additional detail).
- S3_006_DU01: Delineation sampling conducted in April and May 2016 resulted in a reduction of the remedial area (see S3_006_DU01 completion report for additional detail).
- S3_010_DU01: Delineation sampling conducted in July 2016 resulted in a reduction of the remedial area (see S3_010_DU01 completion report for additional detail).
- S3_024_DU01: Delineation sampling conducted in May 2016 resulted in a reduction of the remedial area (see S3_024_DU01 completion report for additional detail).
- S3_062_DU01: Delineation sampling conducted in June 2016 resulted in a reduction of the remedial area (see S3_062_DU01 completion report for additional detail).
- S3_063_DU01: Delineation sampling conducted in April 2016 resulted in a reduction of the remedial area (see S3_063_DU01 completion report for additional detail).
- S3_064_DU01: Delineation sampling conducted in April and June 2016 resulted in no reduction in the remedial area.
- S3_065_DU01: Delineation sampling conducted in April and June 2016 resulted in no reduction in the remedial area.

2.2.4 Segment 4 Incremental Composite Sampling

Properties to be sampled using ICS were identified in the Segment 4-Specific Work Plan (Dow 2016c). Sampling was conducted in the following Segment 4 DUs in 2016 (land use type and sample collection dates are indicated in parentheses):

- S4_003_DU01 (Maintained; June 22, 2016)
- S4_003_DU03 (Maintained; June 22, 2016)
- S4_006_DU01 (Maintained; July 5, 2016)
- S4_007_DU01 (Maintained; July 5, 2016)

- S4_021_DU01 (Other; August 12, 2016)
- S4_022_DU01 (Other; August 12, 2016)
- S4_031_DU01 (Maintained; July 19, 2016)
- S4_032_DU01 (Maintained; June 30, 2016)
- S4_033_DU01 (Maintained; July 19, 2016)
- S4_035_DU01 (Maintained; October 21, 2016)
- S4_037_DU01 (Maintained; July 5, 2016)
- S4_039_DU01 (Maintained; October 21, 2016)
- S4_039_DU02 (Other; October 21, 2016)
- S4_40-41_DU01 (Maintained; October 4, 2016)
- S4_40-41_DU02 (Maintained; October 4, 2016)
- S4_41-42_DU01 (Maintained; October 4, 2016)
- S4_41-42_DU02 (Maintained; October 4, 2016)
- S4_40-42_DU03 (Other; October 4, 2016)
- S4_043_DU01 (Other; June 22, 2016)
- S4_043_DU02 (Maintained; July 27, 2016)
- S4_44-45_DU01 (Other; September 21, 2016)
- S4_047_DU02 (Other; August 18, 2016)
- S4_048_DU01 (Maintained; July 28, 2016)
- S4_048_DU02 (Other; July 28, 2016)
- S4_049_DU01 (Maintained; June 29, 2016)
- S4_049_DU02 (Other; June 29, 2016)
- S4_050_DU01 (Maintained; September 12, 2016)
- S4_051_DU01 (Maintained; October 6, 2016)
- S4_62-67_DU05 (Other; August 22, 2016)
- S4_62-67_DU06 (Other; June 24, 2016)
- S4_62-67_DU07 (Other; August 23, 2016)
- S4_62-67_DU01 (Other; August 17, 2016)
- S4_073 (Maintained and Other sampled together due to data gap; August 18, 2016)²
- S4_077_DU01 (Maintained; July 19, 2016)
- S4_079_DU01 (Maintained; October 5, 2016)
- S4_079_DU02 (Maintained; October 5, 2016)
- S4_80-81_DU01 (Maintained; July 6, 2016)
- S4_80-81_DU02 (Other; July 6, 2016)
- S4_81-82_DU02 (Other; September 13, 2016)

² Sampling was conducted across the entire property (within the 8-year floodplain), and the resulting concentration was less than 90 ppt; therefore, no further sampling was required for the property.

- S4_083_DU01 (Maintained; August 26, 2016)
- S4_083_DU02 (Other; August 26, 2016)
- S4_086_DU01 (Maintained; August 25, 2016)
- S4_086_DU02 (Maintained; August 25, 2016)
- S4_086_DU03 (Other; August 25, 2016)
- S4_087_DU01 (Maintained; June 23, 2016)
- S4_087_DU02 (Other; June 23, 2016)
- S4_088_DU02 (Other; June 24, 2016)
- S4_103_DU01 (Maintained; June 29, 2016)
- S4_112_DU01 (Maintained; July 14, 2016)
- S4_113_DU01 (Maintained; June 10, 2016)
- S4_114-115_DU01 (Maintained; July 14, 2016)
- S4_121_DU01 (Maintained; June 13, 2016)
- S4_122_DU01 (Maintained; June 13, 2016)
- S4_130_DU01 (Maintained; June 13, 2016)
- S4_132_DU01 (Maintained; June 10, 2016)
- S4_133_DU01 (Maintained; June 21, 2016)
- S4_134_DU03 (Other; August 24, 2016)

A summary of properties/DUs sampled during 2016 is provided in Table 5, below:

Table 5. Summary of Segment 4 Properties/DUs Sampled to Date

Total Number of Properties / DUs Evaluated	Number of DUs Identified for Sampling ¹			Number of DUs Sampled ¹			
	Maintained	Other	Total	Year	Maintained	Other	Total
127 / 177	59	28	88 ²	2015	19	6	25
				2016	36	20	57 ²
				Total	55	26	82²

Notes:

1. Properties selected randomly for replicate sampling are included in the numbers in the above table. See Section 2.2.6 for additional replicate sampling information.
2. Includes one property (S4_073) where the entire property area within the 8-year floodplain was sampled – see note in ICS summary above.
3. Six DUs remain to be sampled in Segment 4 (to date, property owners have not provided access for sampling). Additional efforts may be taken to obtain access for sampling and remaining DUs not sampled will be monitored as part of the post-removal site-control process required under the floodplain AOC.

Sampling results for all Segment 4 samples collected in 2015 and 2016 were received in 2016. A summary of the Segment 4 sampling results is provided in Table 6 below.

Table 6. Summary of Segment 4 Sampling Results

DU ID	Land Use	Estimated SWAC (ppt TEQ)	Composite Result (ppt TEQ)
S4_003_DU01	Maintained	353	298
S4_003_DU03	Maintained	390	567
S4_004_DU01	Maintained	148	262
S4_006_DU01	Maintained	781	693
S4_007_DU01	Maintained	770	666
S4_008_DU01	Maintained	809	923
S4_009_DU01	Maintained	965	1,050
S4_010_DU01	Maintained	895	1,470
S4_021_DU01	Other	1,783	560
S4_022_DU01	Other	1,613	660
S4_031_DU01	Maintained	1,071	749
S4_032_DU01	Maintained	1,003	1,100
S4_033_DU01	Maintained	1,134	1,280
S4_035_DU01	Maintained	1,212	845
S4_036_DU01	Maintained	1,187	1,420
S4_037_DU01	Maintained	1,287	2,870
S4_038_DU01	Other	1,354	2,790
S4_038_DU02	Other	2,496	1,890
S4_039_DU01	Maintained	1,376	2,010
S4_039_DU02	Other	3,816	1,410
S4_40-41_DU01	Maintained	2,914	3,060
S4_40-41_DU02	Maintained	2,783	3,150
S4_40-42_DU03	Other	7,613	1,570
S4_41-42_DU01	Maintained	3,224	2,940
S4_41-42_DU02	Maintained	4,826	3,010
S4_043_DU01	Other	3,227	2,300
S4_043_DU02	Maintained	2,881	352
S4_44-45_DU01	Other	4,433	2,560
S4_047_DU01	Maintained	2,132	1,330
S4_047_DU02	Other	1,626	93
S4_048_DU01	Maintained	4,144	1,200
S4_048_DU02	Other	4,497	2,100
S4_049_DU01	Maintained	209	251
S4_049_DU02	Other	4,654	1,660
S4_050_DU01	Maintained	4,618	1,540
S4_051_DU01	Maintained	3,034	1,570
S4_62-67_DU01	Other	6,567	4,600
S4_62-67_DU02	Other	4,561	3,600
S4_62-67_DU03	Other	3,849	3,940
S4_62-67_DU04	Other	3,264	5,130
S4_62-67_DU05	Other	1,387	3,870
S4_62-67_DU06	Other	873	2,010
S4_62-67_DU07	Other	863	1,360

DU ID	Land Use	Estimated SWAC (ppt TEQ)	Composite Result (ppt TEQ)
S4_71-72_DU01	Other	1,799	1,430
S4_073	Mixed	360 (Maintained) / 330 (Other)	22
S4_077_DU01	Maintained	202	43
S4_079_DU01	Maintained	229	60
S4_079_DU02	Maintained	1,450	127
S4_80-81_DU01	Maintained	1,446	72
S4_80-81_DU02	Other	2,389	228
S4_81-82_DU02	Other	1,795	517
S4_083_DU01	Maintained	457	338
S4_083_DU02	Other	1,806	765
S4_086_DU01	Maintained	244	48
S4_086_DU02	Maintained	1,315	587
S4_086_DU03	Other	2,300	1,270
S4_087_DU01	Maintained	449	107
S4_087_DU02	Other	1,829	1,780
S4_088_DU02	Other	1,685	1,803
S4_103_DU01	Maintained	1,149	204
S4_112_DU01	Maintained	50	388
S4_113_DU01	Maintained	237	215
S4_114-115_DU01	Maintained	486	307
S4_116_DU01	Maintained	488	344
S4_117_DU01	Maintained	488	190
S4_118_DU01	Maintained	486	306
S4_119_DU01	Maintained	519	671
S4_120_DU01	Maintained	561	754
S4_121_DU01	Maintained	551	783
S4_122_DU01	Maintained	551	695
S4_123_DU01	Maintained	544	634
S4_124_DU01	Maintained	573	882
S4_125_DU01	Maintained	571	655
S4_126_DU01	Maintained	399	363
S4_127_DU01	Maintained	616	793
S4_128_DU01	Maintained	838	1,360
S4_129_DU01	Maintained	640	805
S4_130_DU01	Maintained	644	1,290
S4_131_DU01	Maintained	572	688
S4_132_DU01	Maintained	474	196
S4_133_DU01	Maintained	383	112
S4_134_DU03	Other	1,695	1,840

Note: In the case of replicate samples, an average of the replicate results is provided. See Section 2.2.6 for additional replicate sampling information.

2.2.5 Segment 4 Delineation Sampling

In some DUs that required remedy, further delineation sampling was conducted to define areas for remediation. The approach used to delineate remedial areas is outlined in the Segment 4 Property-Specific Work Plan (Dow 2016e). Delineation sampling was conducted in the following DUs in Segment 4:

- S4_003_DU01 and DU02 (Maintained DUs): Delineation sampling conducted in November 2016; awaiting results.
- S4_004_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_009_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_010_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_031_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_032_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_036_DU01 (Maintained DU): Delineation sampling conducted in December 2016; awaiting results.
- S4_037_DU01 (Maintained DU): Delineation sampling conducted in December 2016; awaiting results.
- S4_038_DU01 (Other DU): Delineation sampling conducted in December 2016; awaiting results.
- S4_40-41_DU01 and DU02 (Maintained DUs): Delineation sampling conducted in November 2016; awaiting results.
- S4_41-42_DU01 and DU02 (Maintained DUs): Delineation sampling conducted in November 2016; awaiting results.
- S4_043_DU01 (Other DU): Delineation sampling conducted in December 2016; awaiting results.
- S4_62-67_DU04-DU06 (Other DUs): Delineation sampling conducted in December 2016; preliminary results received and will be reported at a later date.
- S4_083_DU01 (Maintained DU): Delineation sampling conducted in November 2016; awaiting results.
- S4_086_DU01 and DU02 (Maintained DUs): Delineation sampling conducted in November 2016; awaiting results.
- S4_120_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_121_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_122_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.

- S4_123_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_124_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_125_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_126_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_127_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in no reduction in the remedial area.
- S4_128_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in a reduction of the remedial area (see S4_128_DU01 completion report for additional detail).
- S4_129_DU01 (Maintained DU): Delineation sampling conducted in August 2016 resulted in a reduction of the remedial area (see S4_129_DU01 completion report for additional detail).
- S4_130_DU01 (Maintained DU): Delineation sampling conducted in August and September 2016 resulted in a reduction of the remedial area (see S4_130_DU01 completion report for additional detail).
- S4_131_DU01 (Maintained DU): Delineation sampling conducted in August and September 2016 resulted in a reduction of the remedial area (see S4_131_DU01 completion report for additional detail).

2.2.6 Replicate Sampling in Segments 2 through 4

Replicate ICS was conducted, and samples were submitted for analysis for the following DUs in Segment 4 during 2016 (land use type and sample collection dates are indicated in parentheses):

- S4_003_DU03 (Maintained; June 22, 2016)
- S4_004_DU01 (Maintained; collected October 27, 2015; processed/analyzed in June 2016)
- S4_62-67_DU06 (Other; June 24, 2016)
- S4_80-81_DU01 (Maintained; July 6, 2016)
- S4_088_DU02 (Maintained; June 24, 2016)
- S4_103_DU01 (Maintained; June 29, 2016)
- S4_120_DU01 (Maintained; collected October 27, 2015; processed/analyzed in June 2016)
- S4_125_DU01 (Maintained; collected October 27, 2015; processed/analyzed in June 2016)
- S4_127_DU01 (Maintained; collected October 27, 2015; processed/analyzed in June 2016)
- S4_132_DU01 (Maintained; June 10, 2016 and August 9, 2016)
- S4_133_DU01 (Maintained; June 21, 2016)

Results for all Segments 2 through 4 replicate samples were received in 2016. These results are provided in Table 7, below.

Table 7. Summary of Segments 2 through 4 Replicate Sampling Results

Decision Unit ID	Composite Result (ppt TEQ)	Average (ppt TEQ)
SEGMENT 2		
S2_10-13_DU15 (Other)	439	453
	474	
	447	
S2_48_DU01 (Maintained)	608	481
	382	
	453	
SEGMENT 3		
S3_004_DU01 (Other)	767	752
	702	
	787	
S3_005_DU01 (Maintained)	165	233
	314	
	221	
S3_042_DU01 (Other)	1,030	1,043
	1,130	
	969	
S3_060_DU01 (Other)	556	582
	589	
	600	
S3_072_DU01 (Maintained)	65	79
	99	
	72	
S3_077_DU01 (Maintained)	76	84
	93	
	84	
S3_078_DU01 (Maintained)	146	156
	154	
	167	
S3_081_DU02 (Maintained)	89	105
	119	
	106	
S3_82-86_DU04 (Other)	3,610	3,160
	2,980	
	2,890	

Decision Unit ID	Composite Result (ppt TEQ)	Average (ppt TEQ)
SEGMENT 4		
S4_003_DU03 (Maintained)	589	567
	550	
	563	
S4_004_DU01 (Maintained)	233	262
	292	
	262	
S4_62-67_DU06 (Other)	1,990	2,010
	2,200	
	1,840	
S4_80-81_DU01 (Maintained)	68	72
	77	
	70	
S4_088_DU02 (Other)	1,820	1,803
	1,790	
	1,800	
S4_103_DU01 (Maintained)	194	204
	200	
	219	
S4_120_DU01 (Maintained)	726	754
	793	
	744	
S4_125_DU01 (Maintained)	634	655
	660	
	671	
S4_127_DU01 (Maintained)	807	793
	777	
	796	
S4_132_DU01 (Maintained)	201	196
	197	
	189	
S4_133_DU01 (Maintained)	112	112
	112	
	113	

2.3 Remediation

2.3.1 Segment 3 Remediation

Remediation was completed on 11 DUs in Segment 3 in 2016; those DUs are listed below:

- S3_005_DU01
- S3_006_DU01
- S3_010_DU01
- S3_024_DU01
- S3_039_DU01
- S3_040_DU01
- S3_047_DU01
- S3_062_DU01
- S3_063_DU01
- S3_064_DU01
- S3_065_DU01

Remediation was conducted between May and October 2016. Work is described in the 2016 Segment 3 construction completion reports for each property (submitted under separate cover).

Four property owners declined remedy in 2016, therefore, work was not conducted in the following DUs:

- S3_012_DU01
- S3_049_DU01
- S3_050_DU01
- S3_82-86_DU04

These properties will continue to be monitored as part of the post-removal site-control process required under the floodplain AOC (discussed in Section 2.2.2, above).

2.3.2 Segment 4 Remediation

Remediation was completed on 10 DUs in Segment 4 in 2016; those DUs are listed below:

- S4_122_DU01
- S4_123_DU01
- S4_124_DU01
- S4_125_DU01
- S4_126_DU01
- S4_127_DU01
- S4_128_DU01
- S4_129_DU01
- S4_130_DU01
- S4_131_DU01

Remediation was conducted during September and October 2016. Work is described in the 2016 Segment 4 construction completion reports for each property (submitted under separate cover).

2.4 Post-Construction Monitoring

Consistent with the procedures identified in the segment-specific and property-specific work plans (Dow 2016a, b, c, Dow 2015b, and Dow 2016d and e), post-construction monitoring is conducted at all properties that received remedy. Monitoring is conducted following completion of the work and prior to the end of the growing season. Inspections continue at least once per year for a minimum of two years following the first growing season. Inspections focus on overall vegetative health, vegetative coverage, tree health, and needed maintenance, such as addressing vegetation coverage.

The following post-construction monitoring was conducted during 2016:

- Segment 2 – Monitoring was conducted in May 2016 at both properties (S2_44 and S2_48) that received remedy in 2015.
- Segment 3 – The following monitoring events were conducted in 2016 in Segment 3:
 - June 2016 – S3_039, S3_40
 - July 2016 – S3_024
 - August 2016 – S3_005, S3_006, S3_024, S3_039, S3_040, S3_062, S3_063, S3_064, and S3_065
 - October 2016 – All properties that received remedy in 2016
- Segment 4 – Monitoring was conducted in November 2016 at all properties (S4_121 through S4_131) that received remedy in 2016.

Details of post-construction monitoring will be provided under separate cover.

2.5 Post-Construction Maintenance

Minor maintenance activities were conducted at a number of properties during 2016 as summarized in Table 8.

Table 8. Summary of Maintenance Activities Conducted in 2016

Site Location	Maintenance Activity				
	Mowing	Fertilization	Slit Seeding	Leaf Blowing	Other (Specify
S3_005	August	July	September		Weed spraying (July)
S3_006	August	July	September		Weed spraying (July) Drain tile/catch basin installation and rake out (November)
S3_010	October	October		October	
S3_024		September	September		Drain tile repair (September) Drain tile installation (October)
S3_039		July	September		Weed spraying (July)
S3_040		July	September		Weed spraying (July)
S3_047	October	October		October	
S3_062					
S3_063					
S3_064					Drain tile/catch basin installation (November)
S3_065					
S4_122				October	
S4_123				October	
S4_124				October	
S4_125				October	
S4_126				October	
S4_127				October	
S4_128				October	
S4_129				October	
S4_130				October	
S4_131				October	

3 Summary of Documents Submitted in 2016

The following is a list of the documents submitted to the Agencies during 2016, consistent with the requirements of the Floodplain AOC:

- Floodplain Annual Report
 - 2015 Floodplain Annual Report submitted March 4, 2016.
- Segment 2-Specific Work Plan
 - Revision 1 submitted February 12, 2016.

- Floodplain Health and Safety Plan
 - Segment 3 Addendum submitted April 29, 2016.
 - Segment 4 Addendum submitted September 16, 2016
- Segment 3-Specific Work Plan
 - Revision 1 of the plan submitted March 4, 2016.
- Segment 3 Property-Specific Work Plan
 - Revision 0 submitted April 22, 2016; No Agency comments received.
 - Segment 3 Property-Specific Work Plan Appendices:
 - Revision 0 of the Segment 3 Property-Specific Work Plan included initial design plans (sample results and remedy decision only) for 22 Segment-3 DUs and full designs for DUs S3_039_DU01 and S3_040_DU01. Agency authorization to proceed with remedial work in floodplain parcels S3_039 and S3_040 provided May 3, 2016.
 - Draft design plans for S3_005_DU01, S3_006_DU01, S3_062_DU01, S3_063_DU01, S3_064_DU01, and S3_065_DU01 submitted May 5, 2016. Agency conditional authorization to proceed with remedial work provided May 6, 2016.
 - Design plan for S3_024_DU01 submitted June 2, 2016. Verbal Agency authorization to proceed with remedial work provided prior to construction.
 - Revised design plans for S3_062_DU01, S3_064_DU01, and S3_065_DU01 submitted July 11, 2016.
 - Design plans for S3_010_DU01 and S3_047_DU01 submitted August 30, 2016. Agency authorization to proceed with remedial work provided September 1, 2016.
- Segment 4-Specific Work Plan
 - Revision 0 submitted June 24 2015; Agency comments received September 7, 2016.
 - Revision 1 submitted November 30, 2016.
- Segment 4 Property-Specific Work Plan
 - Revision 0 submitted June 24, 2016; Agency comments received September 29, 2016.
 - Revision 1 submitted November 30, 2016.
 - Segment 4 Property-Specific Work Plan Appendices:
 - Design plans for S4_113_DU01, S4_114-115_DU01, S4_117_DU01, S4_120, and S4_122 through S4_125_DU01 submitted September 15, 2016.
 - Design plans for S4_126_DU01 through S4_128_DU01 submitted September 16, 2016.
 - Design plans for DUs S4_129_DU01 through S4_133_DU01 submitted September 21, 2016. Revised design plan for S4_128_DU01 also submitted at this time.
 - Agency authorization to proceed with remedial work at S4_122_DU01 through S4_131_DU01 provided September 21, 2016.

4 Summary of Cumulative Work Conducted

A requirement of Part 22b of the Floodplain AOC includes a summary of the cumulative work conducted as part of the GDIWP. Table 9 provides an overall summary of the evaluations, sampling, and remediation completed to date in all floodplain segments since the GDIWP was submitted in 2015.

5 Proposed Work for 2017

Work proposed to be completed in 2017 includes the following:

- All Segments:
 - Develop and submit the Floodplain Post-Removal Site Control Plan
 - Develop and submit the Segments 2 through 7 Institutional Controls Implementation and Assurance Plan
- Segment 2:
 - Attempt to conduct final verification of maintained residential land use for three outstanding properties in the floodplain
 - Conduct further evaluation, as necessary, for Dow property S2_01_DU02
 - Monitor two properties that received remedy in 2015
- Segment 3:
 - Attempt to conduct final verification of maintained residential land use for five outstanding properties in the floodplain
 - Attempt to obtain access to sample, process, and analyze remaining two properties not completed in 2016
 - Attempt to obtain access to remediate remaining four properties not completed in 2016
 - Monitor 11 properties that received remedy in 2016
- Segment 4:
 - Conduct final verification of maintained residential land use for 15 outstanding properties in the floodplain
 - Attempt to obtain access to sample, process, and analyze six remaining properties not completed in 2016
 - Remediate remaining properties not completed in 2016
 - Monitor 10 properties that received remedy in 2016
- Segment 5:
 - Verify maintained residential land use for properties in the floodplain
 - Submit Segment 5-Specific Work Plan
 - Performed sampling and process and analyze samples from DUs identified for sampling in the work plan
 - Submit Segment 5 Property-Specific Work Plan

6 Proposed Schedule for Segments 2-7

A schedule is provided in Figure 1 summarizing the current status of proposed floodplain activities for all floodplain segments.

7 Good Faith Estimate of Cost for 2017

A good faith estimate of floodplain remedial costs, as required by the Floodplain AOC, is provided below:

- Total cost to implement the Floodplain AOC in 2016: \$2,576,600
- Total overall cost to implement the Floodplain AOC (2015–2016): \$3,873,000
- Total projected cost to implement the Floodplain AOC in 2017: \$5,400,000

8 References

Dow. 2015a. *Tittabawassee River Floodplain General Design and Implementation Work Plan*. June 15.

Dow. 2015b. *Tittabawassee River Floodplain Segment 2-Property-Specific Work Plan Rev 1*. December 4.

Dow. 2016a. *Tittabawassee River Floodplain Segment 2-Specific Work Plan Rev 1*. February 12.

Dow. 2016b. *Tittabawassee River Floodplain Segment 3-Specific Work Plan Rev 1*. March 4.

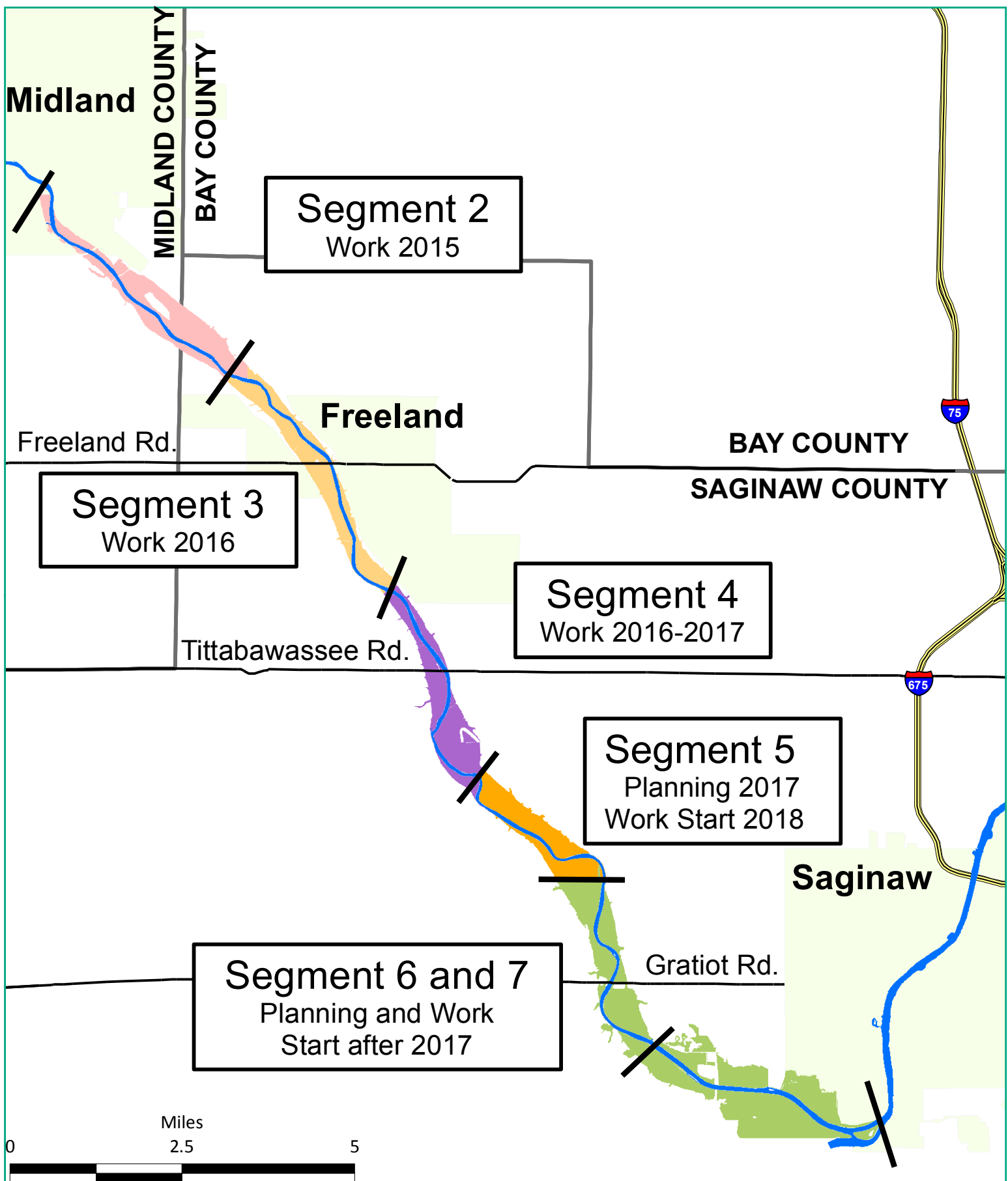
Dow. 2016c. *Tittabawassee River Floodplain Segment 4-Specific Work Plan Rev 1*. November 30.

Dow. 2016d. *Tittabawassee River Floodplain Segment 3 Property-Specific Work Plan Rev 0*. April 22.

Dow. 2016e. *Tittabawassee River Floodplain Segment 4 Property-Specific Work Plan Rev 1*. November 30.

USEPA. 2015. *Administrative Settlement Agreement and Order on Consent for Removal Action*. CERCLA Docket No. V-W-15-C-018. Tittabawassee River Eight-Year Floodplain of the Tittabawassee River, Saginaw River and Bay Site. Effective Date: January 8.

Figures



Tables

**Table 1. Current Status of the Property Land Use Verification Process in Segments 2 through 4
Tittabawassee River Floodplain 2016 Floodplain Annual Report**

Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
Segment 2									
S2_01	No	Yes	No	Yes	No	No	Yes	No	
S2_02	No	No	N/A	Yes	No	No	Yes	No	
S2_03	No	No	N/A	Yes	No	No	Yes	No	
S2_04	No	Yes	No	Yes	No	No	Yes	No	
S2_05	No	Yes	No	Yes	No	No	Yes	No	
S2_06	No	Yes	No	Yes	No	No	Yes	No	
S2_07	No	Yes	No	Yes	No	No	Yes	No	
S2_08	No	Yes	No	Yes	No	No	Yes	No	
S2_09	No	Yes	No	Yes	No	No	Yes	No	
S2_10	No	Yes	No	Yes	No	No	Yes	No	
S2_11	No	Yes	No	Yes	No	No	Yes	No	
S2_12	No	Yes	No	Yes	No	No	Yes	No	
S2_13	No	Yes	No	Yes	No	No	Yes	No	
S2_14	No	Yes	No	Yes	No	No	Yes	No	
S2_15	No	Yes	No	Yes	No	No	Yes	No	
S2_25	No	No	N/A	Yes	No	No	Yes	No	
S2_26	No	No	N/A	Yes	No	No	Yes	No	
S2_27	No	No	N/A	Yes	No	No	Yes	No	
S2_28	No	Yes	No	Yes	No	No	Yes	No	
S2_29	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S2_30	No	Yes	No	Yes	No	No	Yes	No	
S2_31	No	Yes	No	No	N/A	N/A	Yes	No	
S2_32	No	No	N/A	No	N/A	N/A	Yes	No	
S2_33	No	Yes	No	No	N/A	N/A	Yes	No	
S2_36	No	Yes	No	No	N/A	N/A	Yes	No	
S2_37	No	Yes	No	No	N/A	N/A	Yes	No	
S2_38	No	Yes	No	No	N/A	N/A	Yes	No	
S2_39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S2_40	No	Yes	No	No	N/A	N/A	Yes	No	
S2_41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S2_42	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S2_43	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S2_44	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S2_45	No	Yes	No	No	N/A	N/A	Yes	No	
S2_46	No	Yes	No	No	N/A	N/A	Yes	No	
S2_47	No	Yes	No	No	N/A	N/A	Yes	No	
S2_48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S2_49	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner

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Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S2_50	No	Yes	No	Yes	No	No	Yes	No	
S2_51	No	Yes	No	Yes	No	No	Yes	No	
S2_52	No	Yes	No	Yes	No	No	Yes	No	
S2_53	No	Yes	No	Yes	No	No	Yes	No	
S2_54	No	Yes	No	No	N/A	N/A	Yes	No	
S2_55	No	Yes	No	No	N/A	N/A	Yes	No	
S2_56	No	Yes	No	Yes	No	No	Yes	No	
S2_57	No	Yes	No	Yes	No	No	Yes	No	
Segment 3									
S3_001	Yes	Yes	Yes	No	N/A	N/A	Yes	No	
S3_002	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S3_003	No-Public Entity	No	N/A	Yes	No	No	Yes	No	Public Entity
S3_004	No-Public Entity	No	N/A	Yes	No	No	Yes	No	Public Entity
S3_005	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_006	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_007	No	Yes	No	Yes	No	No	Yes	No	
S3_008	No	Yes	No	No	N/A	N/A	Yes	No	
S3_009	No	Yes	No	No	N/A	N/A	Yes	No	
S3_010	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_011	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S3_012	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_013	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_014	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_015	No	Yes	No	Yes	No	No	Yes	No	
S3_016	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_017	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_018	No	Yes	No	No	N/A	N/A	Yes	No	
S3_020	No	Yes	No	No	N/A	N/A	Yes	No	
S3_021	No	Yes	No	No	N/A	N/A	Yes	No	
S3_022	No	Yes	No	No	N/A	N/A	Yes	No	
S3_023	No-Commercial	Yes	No	Yes	No	N/A	Yes	No	Commercial property
S3_024	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_025	No	Yes	No	No	N/A	N/A	Yes	No	
S3_026	No	Yes	No	No	N/A	N/A	Yes	No	
S3_027	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S3_032	No	Yes	No	No	N/A	N/A	Yes	No	
S3_037	No	Yes	No	No	N/A	N/A	Yes	No	
S3_038	Yes	Yes	No	No	N/A	N/A	Yes	No	
S3_039	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_040	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_041	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property

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Seg ID	Maint Res Land Use ID'd from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'd During Visit?	Was Survey Conducted?			
S3_042	Yes	No	N/A	Yes	Yes	No	Yes	No	
S3_043	No	Yes	No	No	N/A	No	Yes	No	
S3_044	No	Yes	No	Yes	No	N/A	Yes	No	
S3_045	No-Commercial	Yes	No	Yes	No	No	Yes	No	Commercial property
S3_046	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_047	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_048	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	Commercial property
S3_049	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_050	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_051	No	Yes	No	No	N/A	N/A	Yes	No	
S3_052	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S3_053	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S3_054	No	Yes	No	No	N/A	N/A	Yes	No	
S3_055	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	Commercial property
S3_056	No	Yes	No	No	N/A	N/A	Yes	No	
S3_057	No	Yes	No	No	N/A	N/A	Yes	No	
S3_059	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_060	No	Yes	No	No	N/A	N/A	Yes	No	
S3_061	No	Yes	No	No	N/A	N/A	Yes	No	
S3_062	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_063	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S3_064	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_065	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_066	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_071	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_072	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S3_073	No	Yes	No	Yes	No	N/A	Yes	No	
S3_074	No	Yes	No	Yes	No	N/A	Yes	No	
S3_075	No	No	No	Yes	No	N/A	Yes	No	
S3_077	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_078	Yes	No	N/A	Yes	Yes	Yes	Yes	No	
S3_079	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial property
S3_081	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_082	No	Yes	No	Yes	No	N/A	Yes	No	
S3_083	No	Yes	No	Yes	No	N/A	Yes	No	
S3_084	No	Yes	No	Yes	No	N/A	Yes	No	
S3_085	No	Yes	No	Yes	No	N/A	Yes	No	
S3_086	No	Yes	No	Yes	No	N/A	Yes	No	
S3_087	No	Yes	No	Yes	No	N/A	Yes	No	
S3_089	No-Recreational	No	N/A	No	N/A	N/A	Yes	No	Recreational property
S3_090	No	Yes	No	No	N/A	N/A	Yes	No	

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Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S3_091	No-Recreational	No	N/A	No	N/A	N/A	Yes	No	Recreational property
S3_092	No	Yes	No	No	N/A	N/A	Yes	No	
S3_095	No-Recreational	No	N/A	No	N/A	N/A	Yes	No	Recreational property
S3_098	No	Yes	No	No	N/A	N/A	Yes	No	
S3_110	No	Yes	No	Yes	No	N/A	Yes	No	
S3_111	No	Yes	No	No	N/A	N/A	Yes	No	
S3_118	No	Yes	No	Yes	No	N/A	Yes	No	
S3_121	Yes	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S3_122	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_123	No	Yes	No	No	N/A	N/A	Yes	No	
S3_124	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S3_126	No	Yes	No	Yes	No	No	Yes	No	
S3_127	No	Yes	No	No	N/A	No	Yes	No	
S3_128	No	Yes	No	No	N/A	No	Yes	No	
S3_129	No	Yes	No	No	N/A	No	Yes	No	
S3_130	No	Yes	No	No	N/A	No	Yes	No	
S3_131	No	Yes	No	No	N/A	No	Yes	No	
S3_132	No	Yes	No	No	N/A	N/A	Yes	No	
S3_133	No	Yes	No	No	N/A	N/A	Yes	No	
S3_134	No	Yes	No	No	N/A	N/A	Yes	No	
S3_135	No	No	N/A	No	N/A	N/A	Yes	No	High bank - all land within floodplain inaccessible
S3_136	No	No	N/A	No	N/A	N/A	Yes	No	High bank - all land within floodplain inaccessible
S3_137	No	Yes	No	No	N/A	N/A	Yes	No	
S3_143	No	No	N/A	No	N/A	N/A	Yes	No	High bank - all land within floodplain inaccessible
S3_144	No	No	N/A	No	N/A	N/A	Yes	No	High bank - all land within floodplain inaccessible
S3_145	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S3_146	No	No	N/A	No	N/A	N/A	Yes	No	High bank - all land within floodplain inaccessible
S3_147	No	Yes	No	No	N/A	N/A	Yes	No	
S3_148	No	Yes	No	No	N/A	N/A	Yes	No	
S3_149	No	Yes	No	No	N/A	N/A	Yes	No	
Segment 4									
S4_001	Yes	Yes	No	No	N/A	N/A	Yes	No	
S4_002	No	Yes	No	No	N/A	N/A	Yes	No	
S4_003	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	

**Table 1. Current Status of the Property Land Use Verification Process in Segments 2 through 4
Tittabawassee River Floodplain 2016 Floodplain Annual Report**

Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S4_004	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_005	Yes	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_006	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_007	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_008	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_009	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_010	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_011	No	Yes	No	Yes	No	No	Yes	No	
S4_012	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_013	No	Yes	No	Yes	No	No	Yes	No	
S4_014	No	Yes	No	Yes	No	No	Yes	No	
S4_015	No	Yes	No	No	N/A	N/A	Yes	No	
S4_016	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_017	No	Yes	No	No	N/A	N/A	Yes	No	
S4_018	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_019	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_020	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_021	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	
S4_022	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	
S4_023	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	Commercial Property
S4_024	No-Commercial	Yes	No	No	N/A	N/A	Yes	No	Commercial Property
S4_025	No	Yes	No	No	N/A	N/A	Yes	No	
S4_026	No	Yes	No	No	N/A	N/A	Yes	No	
S4_027	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial Property
S4_028	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_029	No	Yes	No	No	N/A	N/A	Yes	No	
S4_030	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_031	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_032	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_033	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_034	Yes	Yes	Yes	No	N/A	N/A	Yes	No	
S4_035	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_036	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_037	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_038	Yes	Yes	No	Yes	No	No	Yes	No	
S4_039	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	

**Table 1. Current Status of the Property Land Use Verification Process in Segments 2 through 4
Tittabawassee River Floodplain 2016 Floodplain Annual Report**

Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S4_040	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_041	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_042	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_043	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_044	No	Yes	No	Yes	No	N/A	Yes	No	
S4_045	No	Yes	No	Yes	No	N/A	Yes	No	
S4_046	Yes	No	Yes	No	N/A	N/A	Yes	No	
S4_047	Yes	Yes	No	Yes	Yes	No	Yes	No	
S4_048	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_049	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_050	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_051	Yes	Yes	Yes	No	N/A	N/A	Yes	No	
S4_052	No	Yes	No	No	N/A	N/A	Yes	No	
S4_053	No	Yes	No	No	N/A	N/A	Yes	No	
S4_054	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_055	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_056	Yes	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_057	No	Yes	No	No	N/A	N/A	Yes	No	
S4_058	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_059	No	Yes	No	Yes	No	No	Yes	No	
S4_060	No	Yes	No	No	N/A	N/A	Yes	No	
S4_061	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_062	No	Yes	No	Yes	No	No	Yes	No	
S4_063	No	Yes	No	Yes	No	No	Yes	No	
S4_064	No	Yes	No	Yes	No	No	Yes	No	
S4_065	No	Yes	No	Yes	No	No	Yes	No	
S4_066	No	Yes	No	Yes	No	No	Yes	No	
S4_067	No	Yes	No	Yes	No	No	Yes	No	
S4_068	No	Yes	No	No	N/A	N/A	Yes	No	
S4_069	No	Yes	No	No	N/A	N/A	Yes	No	
S4_070	No	Yes	No	No	N/A	N/A	Yes	No	
S4_071	No	Yes	No	No	N/A	N/A	Yes	No	
S4_072	No	Yes	No	No	N/A	N/A	Yes	No	
S4_073	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_074	No	Yes	No	No	N/A	N/A	Yes	No	
S4_075	No	Yes	No	No	N/A	N/A	Yes	No	
S4_076	No	Yes	No	No	N/A	N/A	Yes	No	

**Table 1. Current Status of the Property Land Use Verification Process in Segments 2 through 4
Tittabawassee River Floodplain 2016 Floodplain Annual Report**

Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S4_077	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_078	No	Yes	Yes	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_079	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_080	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_081	No-Commercial	No	N/A	No	N/A	N/A	Yes	No	Commercial Property with easements for neighboring properties
S4_082	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_083	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_084	Yes	Yes	Yes	No	N/A	N/A	No	Yes	
S4_085	Yes	Yes	Yes	No	N/A	N/A	No	Yes	
S4_086	Yes	Yes	Yes	No	N/A	N/A	No	Yes	
S4_087	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_088	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_089	Yes	Yes	No	Yes	No	No	Yes	No	
S4_090	No	Yes	No	No	N/A	N/A	Yes	No	
S4_091	No	Yes	No	No	N/A	N/A	Yes	No	
S4_092	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_094	No	Yes	No	No	N/A	N/A	Yes	No	
S4_095	No	Yes	No	No	N/A	N/A	Yes	No	
S4_096	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_097	No	Yes	Yes	Yes	Yes	No	No	Yes	Maintained area identified; however property owner may be changing land use in future, therefore holding off on survey/sampling at this point
S4_098	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_102	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_103	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_104	No	Yes	No	No	N/A	N/A	Yes	No	
S4_105	No	Yes	No	No	N/A	N/A	Yes	No	
S4_106	No	Yes	No	No	N/A	N/A	Yes	No	
S4_107	No	Yes	No	No	N/A	N/A	Yes	No	
S4_108	No	No	N/A	No	N/A	N/A	No	Yes	Dow in process of verification with owner
S4_112	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_113	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S4_114	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S4_115	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S4_116	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	

**Table 1. Current Status of the Property Land Use Verification Process in Segments 2 through 4
Tittabawassee River Floodplain 2016 Floodplain Annual Report**

Seg ID	Maint Res Land Use ID'ed from map review?	Discussion With Owner		Property Visit			Is Land Use Verification Complete?	Is Follow Up Required With Owner?	Additional Notes
		Was Property Owner Asked about Maint Res?	Did Owner ID Maint Res Area?	Has Dow Visited Parcel?	Was Maint Res Area ID'ed During Visit?	Was Survey Conducted?			
S4_117	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_118	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_120	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_121	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_122	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_124	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_125	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_127	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_129	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_130	Yes	Yes	Yes	Yes	Yes	No	Yes	No	
S4_131	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_132	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
S4_134	No	Yes	No	No	N/A	N/A	Yes	No	

Notes:

1. Verification of property land use was only performed for properties that were not screened out due to concentration (i.e., maintained residential and/or other land use areas less than 90 parts per trillion [ppt] toxic equivalence [TEQ]).
2. Green highlight indicates that land use verification activities are not yet complete at the property.

ID: identification

N/A: not applicable

Table 2. Current Status of Property Evaluations in Segments 2 through 4
Tittabawassee River Floodplain - 2016 Floodplain Annual Report

Property Information					Initial Screening							Further Evaluation					
Segment-Specific ID	Land Use	Number of Samples on Parcel	Residence on Parcel?	Percent of Parcel within 8-year Floodplain	Property Area within 8-year Floodplain (acres)	Percent 8-Year Floodplain Area Proxied	Maintained Area within 8-year Floodplain (acres)	Maintained SWAC (ppt TEQ)	Other Area within 8-year Floodplain (acres)	Other SWAC (ppt TEQ)	Result of Screen	DU ID	Maintained or Other?	DU Area (acres)	DU SWAC (ppt TEQ)	Go forward for Further Sampling?	
SEGMENT 2																	
S2_01	Other	51	No	77%	40.5	0%	0.0	NA	40.5	2,259	Evaluation	S2_01_DU01	Other	0.8	57	No	
												<u>S2_01_DU02</u>	<u>Other</u>	<u>19.8</u>	<u>3,557</u>	<u>Yes</u>	
												S2_01_DU03	Other	19.8	1,020	No	
S2_02	Other	7	No	80%	9.5	0%	0.0	NA	9.5	758	Evaluation	S2_02_DU01	Other	7.3	795	No	
												<u>S2_02_DU02</u>	<u>Other</u>	<u>2.2</u>	<u>85</u>	<u>Yes - Data Gap</u>	
S2_03	Other	7	No	31%	3.3	23%	0.0	NA	3.3	520	Evaluation	S2_03_DU01	Other	1.6	596	No	
S2_04	Other	0	No	33%	0.7	100%	0.0	NA	0.7	1,654	Evaluation	S2_03_DU02	Other	1.7	448	No	
S2_05	Other	0	No	54%	3.8	99%	0.0	NA	3.8	1,896		S2_04-09_DU01	Other	3.6	1,712	No	
S2_06	Other	0	No	73%	8.5	98%	0.0	NA	8.5	1,797		<u>S2_04-09_DU02</u>	<u>Other</u>	<u>4.7</u>	<u>1,906</u>	<u>Yes</u>	
S2_07	Other	0	No	71%	16.2	98%	0.0	NA	16.2	1,172		<u>S2_04-09_DU03</u>	<u>Other</u>	<u>4.6</u>	<u>1,852</u>	<u>Yes</u>	
S2_08	Other	0	No	47%	0.4	100%	0.0	NA	0.4	38		S2_04-09_DU04	Other	9.8	720	No	
S2_09	Other	0	No	76%	5.2	99%	0.0	NA	5.2	62		S2_04-09_DU05	Other	12.1	1,000	No	
S2_10	Other	111	No	79%	179.0	4%	0.0	NA	179.0	581		Evaluation	S2_10-15_DU01	Other	20.1	622	No
											S2_10-15_DU02		Other	20.1	1,101	No	
											S2_10-15_DU03		Other	20.1	874	No	
											S2_10-15_DU04		Other	20.1	390	No	
											S2_10-15_DU05		Other	20.1	332	No	
S2_11	Other	7	No	84%	29.6	14%	0.0	NA	29.6	119	S2_10-15_DU06		Other	20.1	286	No	
											S2_10-15_DU07		Other	20.0	266	No	
											S2_10-15_DU08		Other	20.1	649	No	
											S2_10-15_DU09		Other	20.1	1,244	No	
											S2_10-15_DU10		Other	20.1	781	No	
S2_12	Other	32	No	100%	19.0	0%	0.0	NA	19.0	2,176	S2_10-15_DU11		Other	20.1	674	No	
											S2_10-15_DU12		Other	20.1	435	No	
											S2_10-15_DU13		Other	20.1	408	No	
S2_13	Other	114	No	97%	193.9	11%	0.0	NA	193.9	587	S2_10-15_DU14		Other	20.1	452	No	
											<u>S2_10-15_DU15</u>		<u>Other</u>	<u>20.1</u>	<u>466</u>	<u>Yes - Replicate</u>	
											S2_10-15_DU16		Other	20.1	548	No	
											S2_10-15_DU17		Other	20.1	498	No	
											S2_10-15_DU18		Other	20.1	917	No	
S2_15	Other	0	No	14%	0.2	100%	0.0	NA	0.2	31	S2_10-15_DU19		Other	20.0	826	No	
											S2_10-15_DU20		Other	20.2	840	No	
											S2_10-15_DU21		Other	20.2	440	No	
S2_14	Other	1	No	60%	2.9	2%	0.0	NA	2.9	98	Evaluation		<u>S2_14_DU01</u>	<u>Other</u>	<u>2.9</u>	<u>98</u>	<u>Yes - Data Gap</u>
S2_16	Mixed	0	Yes	27%	0.4	14%	0.2	56	0.2	56	Screened Out						
S2_17	Other	0	Yes	42%	0.5	18%	0.0	NA	0.5	55	Screened Out						
S2_18	Other	0	Yes	25%	0.4	99%	0.0	NA	0.4	53	Screened Out						
S2_19	Other	0	Yes	7%	0.1	100%	0.0	NA	0.1	49	Screened Out						
S2_20	Other	0	Yes	75%	3.6	100%	0.0	NA	3.6	63	Screened Out						
S2_21	Other	0	Yes	54%	2.3	99%	0.0	NA	2.3	56	Screened Out						
S2_22	Other	0	Yes	59%	2.4	99%	0.0	NA	2.4	49	Screened Out						
S2_23	Other	0	Yes	32%	1.0	100%	0.0	NA	1.0	27	Screened Out						
S2_24	Other	0	Yes	6%	0.3	100%	0.0	NA	0.3	10	Screened Out						

Table 2. Current Status of Property Evaluations in Segments 2 through 4
Tittabawassee River Floodplain - 2016 Floodplain Annual Report

Property Information					Initial Screening							Further Evaluation				
Segment-Specific ID	Land Use	Number of Samples on Parcel	Residence on Parcel?	Percent of Parcel within 8-year Floodplain	Property Area within 8-year Floodplain (acres)	Percent 8-Year Floodplain Area Proxied	Maintained Area within 8-year Floodplain (acres)	Maintained SWAC (ppt TEQ)	Other Area within 8-year Floodplain (acres)	Other SWAC (ppt TEQ)	Result of Screen	DU ID	Maintained or Other?	DU Area (acres)	DU SWAC (ppt TEQ)	Go forward for Further Sampling?
S2_25	Other	32	No	7%	45.2	19%	0.0	NA	45.2	302	Evaluation	S2_25_DU01	Other	15.2	375	No
												S2_25_DU02	Other	14.6	294	No
												S2_25_DU03	Other	15.4	236	No
S2_26	Other	0	No	100%	0.3	0%	0.0	NA	0.3	1,082	Evaluation	S2_26_DU01	Other	0.3	1,082	No
S2_27	Other	87	No	56%	34.5	2%	0.0	NA	34.5	429	Evaluation	S2_27_DU01	Other	17.1	552	No
												S2_27_DU02	Other	17.4	308	No
S2_28	Other	4	No	85%	1.9	29%	0.0	NA	1.9	763	Evaluation	S2_28_DU01	Other	1.9	763	No
S2_29	Mixed	0	Yes	60%	6.2	43%	1.6	32	4.6	243	Evaluation	S2_29_DU01	Maintained	1.6	32	No
												S2_29_DU02	Other	4.6	243	No
S2_30	Other	16	Yes	44%	13.4	31%	0.0	NA	13.4	425	Evaluation	S2_30_DU01	Other	13.4	425	No
S2_31	Other	6	Yes	30%	5.9	24%	0.0	NA	5.9	1,512	Evaluation	S2_31_DU01	Other	5.9	1,512	No
S2_32	Other	1	No	46%	5.0	3%	0.0	NA	5.0	1,660	Evaluation	S2_32_DU01	Other	5.0	1,660	Yes
S2_33	Other	16	Yes	88%	24.5	4%	0.0	NA	24.5	1,055	Evaluation	S2_33_DU01	Other	12.3	1,242	No
												S2_33_DU02	Other	12.3	868	No
S2_34	Other	0	No	21%	0.3	80%	0.0	NA	0.3	63	Screened Out					
S2_35	Other	0	Yes	4%	0.2	100%	0.0	NA	0.2	47	Screened Out					
S2_36	Other	0	Yes	61%	4.2	14%	0.0	NA	4.2	291	Evaluation	S2_36_DU01	Other	4.2	291	No
S2_37	Other	0	Yes	50%	1.6	5%	0.0	NA	1.6	378	Evaluation	S2_37_DU01	Other	1.6	378	No
S2_38	Other	3	Yes	71%	12.4	5%	0.0	NA	12.4	404	Evaluation	S2_38_DU01	Other	12.4	404	No
S2_39	Mixed	4	Yes	57%	2.3	7%	0.1	21	2.2	439	Evaluation	S2_39_DU01	Maintained	0.1	21	No
												S2_39_DU02	Other	2.2	439	No
S2_40	Other	1	Yes	11%	0.3	24%	0.0	NA	0.3	169	Evaluation	S2_40_DU01	Other	0.3	169	No
S2_41	Mixed	14	Yes	50%	5.6	7%	0.05	39	5.5	627	Evaluation	S2_41_DU01	Maintained	0.05	39	No
												S2_41_DU02	Other	5.5	627	No
S2_42	Other	6	No	60%	6.6	8%	0.0	NA	6.6	718	Evaluation	S2_42_DU01	Other	6.6	718	No
S2_43	Other	0	Yes	15%	0.1	56%	0.0	NA	0.1	204	Evaluation	S2_43_DU01	Other	0.1	204	No
S2_44	Mixed	0	Yes	58%	3.1	24%	0.7	1,140	2.5	619	Evaluation	S2_44_DU01 - received remedy in 2015				
												S2_44_DU02	Other	2.5	619	No
S2_45	Other	0	Yes	62%	1.8	15%	0.0	NA	1.8	1,153	Evaluation	S2_45_DU01	Other	1.8	1,153	No
S2_46	Other	20	Yes	76%	5.4	8%	0.0	NA	5.4	1,178	Evaluation	S2_46_DU01	Other	5.4	1,178	No
S2_47	Other	0	Yes	65%	2.0	20%	0.0	NA	2.0	892	Evaluation	S2_47_DU01	Other	2.0	892	Yes - Data Gap
S2_48	Mixed	0	Yes	64%	2.1	23%	0.9	735	1.1	995	Evaluation	S2_48_DU01 - received remedy in 2015				
												S2_48_DU02	Other	1.1	995	No
S2_49	Other	0	Yes	62%	2.5	17%	0.0	NA	2.5	822	Evaluation	S2_49_DU01	Other	2.5	822	No
S2_50	Other	11	Yes	65%	3.5	9%	0.0	NA	3.5	964	Evaluation	S2_50_DU01	Other	3.5	964	No
S2_51	Other	0	Yes	61%	3.6	24%	0.0	NA	3.6	1,195	Evaluation	S2_51_DU01	Other	3.6	1,195	No
S2_52	Other	0	Yes	56%	2.2	8%	0.0	NA	2.2	854	Evaluation	S2_52_DU01	Other	2.2	854	No
S2_53	Other	14	Yes	57%	2.9	6%	0.0	NA	2.9	957	Evaluation	S2_53_DU01	Other	2.9	957	No
S2_54	Other	9	Yes	54%	3.7	5%	0.0	NA	3.7	1,153	Evaluation	S2_54_DU01	Other	3.7	1,153	No
S2_55	Other	1	Yes	50%	2.4	4%	0.0	NA	2.4	769	Evaluation	S2_55_DU01	Other	2.4	769	No
S2_56	Other	11	Yes	51%	3.7	8%	0.0	NA	3.7	447	Evaluation	S2_56_DU01	Other	3.7	447	No
S2_57	Other	18	Yes	57%	7.6	17%	0.0	NA	7.6	1,306	Evaluation	S2_57_DU01	Other	7.6	1,306	No

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Property Information					Initial Screening							Further Evaluation				
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SEGMENT 3																
S3_001	Mixed	10	Yes	67%	9.35	43%	3.68	63	5.67	745	Evaluation	S3_001_DU01	Maintained	1.84	59	No
												S3_001_DU02	Maintained	1.84	67	No
												S3_001_DU03	Other	5.67	745	No
S3_002	Mixed	8	Yes	62%	7.68	23%	0.50	28	7.18	1,102	Evaluation	S3_002_DU01	Maintained	0.50	28	No
												S3_002_DU02	Other	7.18	1,102	No
S3_003	Other	3	No	17%	10.11	41%	0.00	NA	10.11	1,015	Evaluation	S3_003_DU01	Other	10.11	1,015	No
S3_004	Other	29	No	85%	16.85	6%	0.00	NA	16.85	1,303	Evaluation	S3_004_DU01	Other	16.85	1,303	Yes - Replicate
S3_005	Mixed	23	Yes	75%	5.61	0%	1.54	118	4.07	2,064	Evaluation	S3_005_DU01 - received remedy in 2016				
												S3_005_DU02	Other	4.07	2,064	Yes
S3_006	Mixed	0	Yes	70%	2.13	0%	1.03	373	1.10	713	Evaluation	S3_006_DU01 - received remedy in 2016				
												S3_006_DU02	Other	1.10	713	No
S3_007	Other	10	Yes	67%	1.24	2%	0.00	NA	1.24	558	Evaluation	S3_007_DU01	Other	1.24	558	No
S3_008	Other	0	Yes	60%	2.30	12%	0.00	NA	2.30	483	Evaluation	S3_008_DU01	Other	2.30	483	No
S3_009	Other	0	Yes	51%	0.78	17%	0.00	NA	0.78	428	Evaluation	S3_009_DU01	Other	0.78	428	No
S3_010	Mixed	0	Yes	67%	2.67	2%	0.62	873	2.06	1,052	Evaluation	S3_010_DU01 - received remedy in 2016				
												S3_010_DU02	Other	2.06	1,052	No
S3_011	Mixed	8	Yes	42%	1.05	0%	0.07	486	0.98	1,252	Evaluation	S3_011_DU01	Maintained	0.07	486	Yes
												S3_011_DU02	Other	0.98	1,252	No
S3_012	Mixed	1	Yes	67%	1.42	11%	0.52	640	0.90	664	Evaluation	S3_012_DU01	Maintained	0.52	640	Yes
												S3_012_DU02	Other	0.90	664	No
S3_013	Other	0	No	19%	0.15	9%	0.00	NA	0.15	386	Evaluation	S3_013_DU01	Other	0.15	386	No
S3_014	Other	0	Yes	26%	0.21	56%	0.00	NA	0.21	257	Evaluation	S3_014_DU01	Other	0.21	257	No
S3_015	Other	41	No	90%	22.73	1%	0.00	NA	22.73	995	Evaluation	S3_015_DU01	Other	4.61	879	No
												S3_015_DU02	Other	6.72	1,049	No
												S3_015_DU03	Other	5.89	1,106	No
												S3_015_DU04	Other	5.51	910	No
S3_016	Other	0	No	20%	0.29	11%	0.00	NA	0.29	809	Evaluation	S3_016_DU01	Other	0.29	809	No
S3_017	Other	0	No	17%	0.11	72%	0.00	NA	0.11	343	Evaluation	S3_017_DU01	Other	0.11	343	No
S3_018	Other	0	No	22%	0.17	9%	0.00	NA	0.17	540	Evaluation	S3_018_DU01	Other	0.17	540	No
S3_019	Other	0	No	9%	0.05	0%	0.00	NA	0.05	31	Screened Out					
S3_020	Other	0	Yes	11%	0.08	66%	0.00	NA	0.08	113	Evaluation	S3_020_DU01	Other	0.08	113	No
S3_021	Other	8	Yes	62%	4.63	40%	0.00	NA	4.63	667	Evaluation	S3_021_DU01	Other	4.63	667	No
S3_022	Other	2	No	49%	1.26	8%	0.00	NA	1.26	551	Evaluation	S3_022_DU01	Other	1.26	551	No
S3_023	Other	0	No	40%	1.47	65%	0.00	NA	1.47	529	Evaluation	S3_023_DU01	Other	1.47	529	No
S3_024	Mixed	0	No	32%	1.58	76%	1.14	665	0.45	481	Evaluation	S3_024_DU01 - received remedy in 2016				
											Evaluation	S3_024_DU02	Other	0.45	481	No
S3_025	Other	0	Yes	13%	0.12	8%	0.00	NA	0.12	342	Evaluation	S3_025_DU01	Other	0.12	342	No
S3_026	Other	0	No	10%	0.10	0%	0.00	NA	0.10	276	Evaluation	S3_026_DU01	Other	0.10	276	No
S3_027	Other	0	No	9%	0.26	0%	0.00	NA	0.26	121	Evaluation	S3_027_DU01	Other	0.26	121	No
S3_028	Other	0	Yes	13%	0.16	23%	0.00	NA	0.16	25	Screened Out					
S3_029	Other	0	Yes	40%	0.10	1%	0.00	NA	0.10	26	Screened Out					
S3_030	Other	1	No	63%	0.31	29%	0.00	NA	0.31	21	Screened Out					
S3_031	Other	0	No	23%	0.46	66%	0.00	NA	0.46	18	Screened Out					
S3_032	Other	0	No	58%	0.64	61%	0.00	NA	0.64	19	Evaluation	S3_032_DU01	Other	0.64	19	Yes - Data Gap
S3_033	Other	0	No	66%	0.10	0%	0.00	NA	0.10	31	Screened Out					
S3_034	Other	0	No	9%	0.11	0%	0.00	NA	0.11	31	Screened Out					

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S3_035	Other	0	No	32%	0.15	0%	0.00	NA	0.15	31	Screened Out					
S3_036	Other	0	No	16%	0.47	20%	0.00	NA	0.47	75	Screened Out					
S3_037	Other	0	No	29%	0.47	20%	0.00	NA	0.47	277	Evaluation	S3_037_DU01	Other	0.47	277	No
S3_038	Other	0	Yes	19%	0.15	7%	0.00	NA	0.15	334	Evaluation	S3_038_DU01	Other	0.15	334	No
S3_039	Maintained	0	Yes	29%	0.26	31%	0.26	413	0.00	NA	Evaluation	S3_039 DU01 - received remedy in 2016				
S3_040	Maintained	0	Yes	24%	0.17	37%	0.17	753	0.00	NA	Evaluation	S3_040 DU01 - received remedy in 2016				
S3_041	Other	0	Yes	26%	0.32	38%	0.00	NA	0.32	1,289	Evaluation	S3_041_DU01	Other	0.32	1,289	No
S3_042	Other	7	Yes	29%	0.19	40%	0.19	1,335	0.00	NA	Evaluation	S3_042 DU01	Other	0.19	1,335	Yes - Replicate
S3_043	Other	0	Yes	31%	0.24	44%	0.00	NA	0.24	1,586	Evaluation	S3_043_DU01	Other	0.24	1,586	No
S3_044	Other	0	Yes	57%	1.23	59%	0.00	NA	1.23	1,841	Evaluation	S3_044 DU01	Other	1.23	1,841	Yes
S3_045	Other	0	No	41%	1.34	73%	0.00	NA	1.34	1,022	Evaluation	S3_045_DU01	Other	1.34	1,022	No
S3_046	Other	0	No	56%	1.25	49%	0.00	NA	1.25	729	Evaluation	S3_046_DU01	Other	1.25	729	No
S3_047	Mixed	10	Yes	54%	1.09	14%	0.12	550	0.97	689	Evaluation	S3_047 DU01 - received remedy in 2016				
												S3_047_DU02	Other	0.97	689	No
S3_048	Other	0	Yes	47%	0.50	0%	0.00	NA	0.50	960	Evaluation	S3_048_DU01	Other	0.50	960	No
S3_049	Maintained	0	Yes	55%	1.36	0%	1.36	1,250	0.00	NA	Evaluation	S3_049 DU01	Maintained	1.36	1,250	Yes
S3_050	Mixed	0	Yes	62%	1.41	0%	0.12	1,340	0.27	1,566	Evaluation	S3_050 DU01	Maintained	1.14	1,340	Yes
												S3_050_DU02	Other	0.27	1,566	No
S3_051	Other	26	No	98%	9.05	3%	0.00	NA	9.05	1,366	Evaluation	S3_051_DU01	Other	9.05	1,366	No
S3_052	Other	0	Yes	15%	0.17	0%	0.00	NA	0.17	1,218	Evaluation	S3_052_DU01	Other	0.17	1,218	No
S3_053	Other	0	Yes	24%	0.17	0%	0.00	NA	0.17	1,504	Evaluation	S3_053_DU01	Other	0.17	1,504	No
S3_054	Other	0	Yes	24%	0.17	0%	0.00	NA	0.17	1,488	Evaluation	S3_054_DU01	Other	0.17	1,488	No
S3_055	Other	0	Yes	29%	0.32	0%	0.00	NA	0.32	1,496	Evaluation	S3_055_DU01	Other	0.32	1,496	No
S3_056	Other	0	Yes	70%	1.21	24%	0.00	NA	1.21	1,000	Evaluation	S3_056_DU01	Other	1.21	1,000	No
S3_057	Other	3	Yes	64%	2.71	21%	0.00	NA	2.71	1,308	Evaluation	S3_057_DU01	Other	2.71	1,308	No
S3_058	Other	0	Yes	7%	0.05	0%	0.00	NA	0.05	33	Screened Out					
S3_059	Other	0	Yes	58%	1.31	0%	0.00	NA	1.31	2,236	Evaluation	S3_059 DU01	Other	1.31	2,236	Yes
S3_060	Other	4	No	86%	8.26	16%	0.00	NA	8.26	628	Evaluation	S3_060 DU01	Other	8.26	628	Yes - Replicate
S3_061	Other	0	Yes	59%	1.84	4%	0.00	NA	1.84	503	Evaluation	S3_061_DU01	Other	1.84	503	No
S3_062	Maintained	8	Yes	50%	1.04	0%	1.04	696	0.00	NA	Evaluation	S3_062 DU01 - received remedy in 2016				
S3_063	Maintained	0	Yes	48%	0.59	6%	0.59	436	0.00	NA	Evaluation	S3_063 DU01 - received remedy in 2016				
S3_064	Maintained	0	Yes	47%	1.31	79%	1.31	130	0.00	NA	Evaluation	S3_064 DU01 - received remedy in 2016				
S3_065	Mixed	0	No	100%	8.03	97%	1.13	57	6.89	101	Evaluation	S3_065 DU01 - received remedy in 2016				
												S3_065_DU02	Other	6.89	101	No
S3_066	Mixed	0	Yes	14%	0.21	39%	0.13	37	0.08	42	Evaluation	S3_066 DU01	Maintained	0.13	37	Yes - Data Gap
												S3_066_DU02	Other	0.08	42	No
S3_067	Mixed	0	Yes	35%	0.47	42%	0.18	32	0.29	45	Screened Out					
S3_068	Maintained	0	Yes	6%	0.06	0%	0.06	31	0.00	NA	Screened Out					
S3_069	Maintained	0	No	8%	0.08	0%	0.08	31	0.00	NA	Screened Out					
S3_070	Other	0	Yes	10%	0.06	0%	0.00	NA	0.06	31	Screened Out					
S3_071	Mixed	59	Yes	86%	29.56	0%	0.07	37	29.49	1,734	Evaluation	S3_071 DU01	Other	14.85	2,093	Yes
												S3_071_DU02	Other	14.64	1,370	No
												S3_071_DU03	Maintained	0.07	37	No
S3_072	Mixed	0	Yes	88%	20.52	0%	1.56	112	18.95	3,042	Evaluation	S3_072 DU01	Maintained	1.56	112	Yes
												S3_072 DU02	Other	18.95	3,042	Yes
S3_073	Other	4	No	88%	9.40	0%	0.00	NA	9.40	2,196	Evaluation	S3_073 DU01	Other	9.40	2,196	Yes
S3_074	Other	10	No	89%	10.00	0%	0.00	NA	10.00	889	Evaluation	S3_074_DU01	Other	10.00	889	No

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S3_075	Other	4	No	88%	9.37	0%	0.00	NA	9.37	720	Evaluation	S3_075_DU01	Other	9.37	720	No
S3_076	Maintained	0	Yes	50%	0.69	11%	0.69	65	0.00	NA	Screened Out					
S3_077	Mixed	0	Yes	64%	0.64	13%	0.47	120	0.17	285	Evaluation	S3_077_DU01	Maintained	0.47	120	Yes
												S3_077_DU02	Other	0.17	285	No
S3_078	Mixed	0	Yes	67%	0.90	2%	0.51	163	0.40	203	Evaluation	S3_078_DU01	Maintained	0.51	163	Yes
												S3_078_DU02	Other	0.40	203	No
S3_079	Other	12	No	11%	16.33	12%	0.00	NA	16.33	617	Evaluation	S3_079_DU01	Other	16.33	617	No
S3_080	Other	0	No	39%	0.27	41%	0.00	NA	0.27	63	Screened Out					
S3_081	Mixed	6	Yes	67%	6.26	2%	2.76	188	3.50	509	Evaluation	S3_081_DU01	Maintained	1.49	196	Yes
												S3_081_DU02	Maintained	1.27	179	Yes
												S3_081_DU03	Other	3.50	509	No
S3_082	Other	0	Yes	44%	26.84	55%	0.00	NA	26.84	1,470	Evaluation	S3_82-86_DU01	Other	10.58	1,469	No
												S3_82-86_DU02	Other	14.27	1,472	No
S3_083	Other	0	No	100%	21.09	89%	0.00	NA	21.09	1,461	Evaluation	S3_82-86_DU03	Other	19.00	1,466	No
												S3_82-86_DU04	Other	21.76	1,424	Yes - Replicate
S3_084	Other	0	No	4%	1.46	90%	0.00	NA	1.46	1,234	Evaluation	S3_82-86_DU05	Other	15.83	1,353	No
S3_085	Other	0	No	78%	61.86	93%	0.00	NA	61.86	1,163	Evaluation	S3_82-86_DU06	Other	9.44	1,309	No
												S3_82-86_DU07	Other	10.26	963	No
S3_086	Other	0	Yes	16%	2.49	71%	0.00	NA	2.49	800	Evaluation	S3_82-86_DU08	Other	12.58	548	No
S3_087	Other	0	Yes	1%	0.05	17%	0.00	NA	0.05	682	Evaluation	S3_087_DU01	Other	0.05	682	No
S3_088	Mixed	1	Yes	36%	0.89	80%	0.26	15	0.63	15	Screened Out					
S3_089	Other	0	No	100%	3.15	86%	0.00	NA	3.15	315	Evaluation	S3_089_DU01	Other	3.15	315	No
S3_090	Other	0	No	82%	40.89	98%	0.00	NA	40.89	179	Evaluation	S3_090_DU01	Other	13.57	303	No
												S3_090_DU02	Other	13.71	128	No
												S3_090_DU03	Other	13.61	107	No
S3_091	Other	7	No	100%	19.46	3%	0.00	NA	19.46	220	Evaluation	S3_091_DU01	Other	19.46	220	No
S3_092	Other	4	No	90%	20.83	32%	0.00	NA	20.83	107	Evaluation	S3_092_DU01	Other	11.33	97	No
												S3_092_DU02	Other	9.50	119	No
S3_093	Mixed	0	Yes	69%	3.15	98%	0.29	15	2.87	18	Screened Out					
S3_094	Maintained	0	Yes	16%	0.10	100%	0.10	15	0.00	NA	Screened Out					
S3_095	Other	2	Yes	97%	12.08	64%	0.00	NA	12.08	807	Evaluation	S3_095_DU01	Other	12.08	807	No
S3_096	Other	0	No	12%	0.08	100%	0.00	NA	0.08	15	Screened Out					
S3_097	Other	0	No	8%	0.05	95%	0.00	NA	0.05	24	Screened Out					
S3_098	Other	4	No	96%	12.25	15%	0.00	NA	12.25	96	Evaluation	S3_098_DU01	Other	12.25	96	No
S3_099	Other	0	No	11%	0.09	100%	0.00	NA	0.09	39	Screened Out					
S3_100	Maintained	0	Yes	14%	0.11	97%	0.11	45	0.00	NA	Screened Out					
S3_101	Maintained	0	Yes	22%	0.16	8%	0.16	36	0.00	NA	Screened Out					
S3_102	Mixed	0	Yes	29%	0.22	37%	0.08	18	0.14	56	Screened Out					
S3_103	Mixed	0	Yes	31%	0.23	28%	0.11	33	0.12	59	Screened Out					
S3_104	Mixed	0	Yes	38%	0.29	31%	0.15	33	0.13	59	Screened Out					
S3_105	Mixed	0	Yes	37%	0.28	37%	0.12	23	0.16	58	Screened Out					
S3_106	Other	0	No	28%	0.21	33%	0.00	NA	0.21	45	Screened Out					
S3_107	Maintained	0	Yes	39%	0.29	41%	0.29	41	0.00	NA	Screened Out					
S3_108	Other	0	Yes	47%	0.48	39%	0.00	NA	0.48	42	Screened Out					
S3_109	Mixed	0	Yes	44%	0.41	36%	0.21	28	0.20	59	Screened Out					
S3_110	Other	0	No	99%	38.66	81%	0.00	NA	38.66	205	Evaluation	S3_110_DU01	Other	17.27	225	No
												S3_110_DU02	Other	21.39	188	No

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S3_111	Other	0	No	97%	39.45	53%	0.00	NA	39.45	273	Evaluation	S3_111_DU01	Other	20.09	175	No
												S3_111_DU02	Other	19.36	375	No
S3_112	Other	0	Yes	34%	0.33	65%	0.00	NA	0.33	30	Screened Out					
S3_113	Maintained	0	Yes	33%	0.39	61%	0.39	32	0.00	NA	Screened Out					
S3_114	Maintained	0	Yes	27%	0.28	72%	0.28	27	0.00	NA	Screened Out					
S3_115	Maintained	0	Yes	28%	0.23	90%	0.23	19	0.00	NA	Screened Out					
S3_116	Maintained	0	Yes	21%	0.17	91%	0.17	19	0.00	NA	Screened Out					
S3_117	Mixed	0	Yes	26%	0.35	77%	0.23	15	0.12	62	Screened Out					
S3_118	Other	20	Yes	63%	52.36	17%	0.00	NA	52.36	528	Evaluation	S3_118_DU01	Other	18.79	518	No
												S3_118_DU02	Other	17.93	570	No
												S3_118_DU03	Other	15.65	491	No
S3_119	Mixed	0	Yes	59%	0.66	43%	0.31	15	0.35	44	Screened Out					
S3_120	Maintained	0	Yes	53%	0.66	67%	0.66	35	0.00	NA	Screened Out					
S3_121	Mixed	0	Yes	47%	1.16	44%	0.45	53	0.71	230	Evaluation	S3_121_DU01	Maintained	0.45	53	No
												S3_121_DU02	Other	0.71	230	No
S3_122	Mixed	1	Yes	45%	2.19	59%	0.84	38	1.35	149	Evaluation	S3_122_DU01	Maintained	0.84	38	No
												S3_122_DU02	Other	1.35	149	No
S3_123	Other	7	Yes	34%	15.04	15%	0.00	NA	15.04	422	Evaluation	S3_123_DU01	Other	15.04	422	No
S3_124	Other	0	Yes	75%	4.00	29%	0.00	NA	4.00	352	Evaluation	S3_124_DU01	Other	4.00	352	No
S3_125	Other	0	Yes	17%	0.21	94%	0.00	NA	0.21	25	Screened Out					
S3_126	Other	0	Yes	69%	6.16	17%	0.00	NA	6.16	379	Evaluation	S3_126_DU01	Other	6.16	379	No
S3_127	Other	0	No	51%	1.43	17%	0.00	NA	1.43	308	Evaluation	S3_127_DU01	Other	1.43	308	No
S3_128	Other	0	No	53%	1.48	12%	0.00	NA	1.48	272	Evaluation	S3_128_DU01	Other	1.48	272	No
S3_129	Other	0	Yes	54%	1.21	7%	0.00	NA	1.21	382	Evaluation	S3_129_DU01	Other	1.21	382	No
S3_130	Other	0	Yes	49%	0.97	5%	0.00	NA	0.97	370	Evaluation	S3_130_DU01	Other	0.97	370	No
S3_131	Other	5	No	37%	0.71	15%	0.00	NA	0.71	254	Evaluation	S3_131_DU01	Other	0.71	254	No
S3_132	Other	0	Yes	38%	0.53	12%	0.00	NA	0.53	142	Evaluation	S3_132_DU01	Other	0.53	142	No
S3_133	Other	0	No	32%	0.30	16%	0.00	NA	0.30	569	Evaluation	S3_133_DU01	Other	0.30	569	No
S3_134	Other	1	Yes	31%	0.36	36%	0.00	NA	0.36	621	Evaluation	S3_134_DU01	Other	0.36	621	Yes - Data Gap
S3_135	Other	0	Yes	11%	0.13	35%	0.00	NA	0.13	549	Evaluation	S3_135_DU01	Other	0.13	549	No
S3_136	Other	0	Yes	10%	0.11	0%	0.00	NA	0.11	499	Evaluation	S3_136_DU01	Other	0.11	499	No
S3_137	Other	0	Yes	14%	0.14	0%	0.00	NA	0.14	167	Evaluation	S3_137_DU01	Other	0.14	167	No
S3_138	Other	0	No	16%	0.26	9%	0.00	NA	0.26	15	Screened Out					
S3_139	Other	0	Yes	11%	0.15	0%	0.00	NA	0.15	15	Screened Out					
S3_140	Other	0	Yes	7%	0.12	18%	0.00	NA	0.12	15	Screened Out					
S3_141	Other	0	Yes	10%	0.35	44%	0.00	NA	0.35	15	Screened Out					
S3_142	Other	0	Yes	6%	0.12	6%	0.00	NA	0.12	25	Screened Out					
S3_143	Other	1	Yes	5%	0.11	0%	0.00	NA	0.11	184	Evaluation	S3_143_DU01	Other	0.11	184	No
S3_144	Other	0	Yes	4%	0.13	0%	0.00	NA	0.13	278	Evaluation	S3_144_DU01	Other	0.13	278	No
S3_145	Other	0	Yes	3%	0.15	0%	0.00	NA	0.15	199	Evaluation	S3_145_DU01	Other	0.15	199	No
S3_146	Other	0	Yes	4%	0.15	0%	0.00	NA	0.15	256	Evaluation	S3_146_DU01	Other	0.15	256	No
S3_147	Other	0	No	9%	0.28	0%	0.00	NA	0.28	470	Evaluation	S3_147_DU01	Other	0.28	470	No
S3_148	Other	1	No	16%	0.65	0%	0.00	NA	0.65	532	Evaluation	S3_148_DU01	Other	0.65	532	No
S3_149	Other	0	Yes	18%	0.85	17%	0.00	NA	0.85	673	Evaluation	S3_149_DU01	Other	0.85	673	No

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Property Information					Initial Screening							Further Evaluation				
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SEGMENT 4																
S4_001	Other	4	Yes	63%	2.69	0%	0.00	NA	2.69	284	Evaluation	S4_001_DU01	Other	2.69	284	No
S4_002	Other	0	No	45%	2.55	0%	0.00	NA	2.55	394	Evaluation	S4_002_DU01	Other	2.55	394	No
S4_003	Mixed	0	Yes	46%	3.55	12%	2.33	375	1.21	305	Evaluation	S4_003_DU01	Maintained	1.17	353	Yes
												S4_003_DU02	Other	0.08	240	No
												S4_003_DU03	Maintained	1.17	390	Yes
												S4_003_DU04	Other	1.13	310	No
S4_004	Maintained	0	Yes	25%	1.03	0%	1.03	148	0.00	NA	Evaluation	S4_004_DU01	Maintained	1.03	148	Yes
S4_005	Mixed	0	Yes	56%	2.63	0%	0.49	149	2.14	613	Evaluation	S4_005_DU01	Maintained	0.49	149	Yes
												S4_005_DU02	Other	2.14	613	No
S4_006	Mixed	0	Yes	48%	0.66	0%	0.55	781	0.11	593	Evaluation	S4_006_DU01	Maintained	0.55	781	Yes
												S4_006_DU02	Other	0.11	593	No
S4_007	Maintained	0	Yes	50%	0.69	0%	0.69	770	0.00	NA	Evaluation	S4_007_DU01	Maintained	0.69	770	Yes
S4_008	Maintained	0	Yes	52%	1.77	0%	1.77	809	0.00	NA	Evaluation	S4_008_DU01	Maintained	1.77	809	Yes
S4_009	Maintained	16	Yes	60%	1.97	0%	1.97	965	0.00	NA	Evaluation	S4_009_DU01	Maintained	1.97	965	Yes
S4_010	Maintained	1	Yes	54%	1.17	0%	1.17	895	0.00	NA	Evaluation	S4_010_DU01	Maintained	1.17	895	Yes
S4_011	Other	0	No	52%	1.31	0%	0.00	NA	1.31	798	Evaluation	S4_011_DU01	Other	1.31	798	No
S4_012	Mixed	0	Yes	37%	0.75	0%	0.03	42	0.72	831	Evaluation	S4_012_DU01	Maintained	0.03	42	No
												S4_012_DU02	Other	0.72	831	No
S4_013	Other	12	No	80%	4.49	0%	0.00	NA	4.49	1,207	Evaluation	S4_013_DU01	Other	4.49	1,207	No
S4_014	Other	0	No	26%	0.33	0%	0.00	NA	0.33	788	Evaluation	S4_014_DU01	Other	0.33	788	No
S4_015	Other	0	Yes	59%	2.09	40%	0.00	NA	2.09	1,075	Evaluation	S4_015_DU01	Other	2.09	1,075	No
S4_016	Other	0	Yes	56%	1.20	82%	0.00	NA	1.20	823	Evaluation	S4_016_DU01	Other	1.20	823	No
S4_017	Other	0	Yes	55%	2.39	78%	0.00	NA	2.39	825	Evaluation	S4_017_DU01	Other	2.39	825	No
S4_018	Other	0	Yes	56%	2.66	80%	0.00	NA	2.66	880	Evaluation	S4_018_DU01	Other	2.66	880	No
S4_019	Other	0	Yes	15%	0.23	69%	0.00	NA	0.23	669	Evaluation	S4_019_DU01	Other	0.23	669	No
S4_020	Other	0	Yes	42%	16.22	96%	0.00	NA	16.22	1,429	Evaluation	S4_020_DU01	Other	16.22	1,429	No
S4_021	Other	0	No	63%	5.30	100%	0.00	NA	5.30	1,783	Evaluation	S4_021_DU01	Other	5.30	1,783	Yes
S4_022	Other	0	No	58%	4.95	100%	0.00	NA	4.95	1,613	Evaluation	S4_022_DU01	Other	4.95	1,613	Yes
S4_023	Other	0	No	46%	2.45	100%	0.00	NA	2.45	1,192	Evaluation	S4_023_DU01	Other	2.45	1,192	No
S4_024	Other	0	No	43%	1.37	100%	0.00	NA	1.37	966	Evaluation	S4_024_DU01	Other	1.37	966	No
S4_025	Other	0	No	38%	0.97	100%	0.00	NA	0.97	766	Evaluation	S4_025_DU01	Other	0.97	766	No
S4_026	Other	0	No	31%	0.64	95%	0.00	NA	0.64	683	Evaluation	S4_026_DU01	Other	0.64	683	No
S4_027	Other	0	No	23%	0.34	51%	0.00	NA	0.34	485	Evaluation	S4_027_DU01	Other	0.34	485	No
S4_028	Other	0	Yes	21%	0.77	0%	0.00	NA	0.77	95	Evaluation	S4_028_DU01	Other	0.77	95	No
S4_029	Other	1	No	23%	0.25	0%	0.00	NA	0.25	750	Evaluation	S4_029_DU01	Other	0.25	750	No
S4_030	Maintained	0	Yes	31%	0.26	0%	0.26	1,112	0.00	NA	Evaluation	S4_030_DU01	Maintained	0.26	1,112	Yes
S4_031	Mixed	0	Yes	40%	0.36	0%	0.31	1,071	0.05	790	Evaluation	S4_031_DU01	Maintained	0.31	1,071	Yes
												S4_031_DU02	Other	0.05	790	No
S4_032	Mixed	0	Yes	44%	0.45	0%	0.38	1,003	0.07	1,192	Evaluation	S4_032_DU01	Maintained	0.38	1,003	Yes
												S4_032_DU02	Other	0.07	1,192	No
S4_033	Mixed	0	Yes	28%	0.81	0%	0.14	1,134	0.67	1,170	Evaluation	S4_033_DU01	Maintained	0.14	1,134	Yes
												S4_033_DU02	Other	0.67	1,170	No
S4_034	Mixed	7	Yes	72%	2.52	0%	0.15	1,366	2.37	1,198	Evaluation	S4_034_DU01	Maintained	0.15	1,366	Yes
												S4_034_DU02	Other	2.37	1,198	No

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Property Information					Initial Screening							Further Evaluation				
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S4_035	Mixed	0	Yes	62%	1.96	0%	0.19	1,212	1.76	1,166	Evaluation	<u>S4 035 DU01</u>	<u>Maintained</u>	<u>0.19</u>	<u>1,212</u>	<u>Yes</u>
												S4_035_DU02	Other	1.76	1,166	No
S4_036	Mixed	0	Yes	60%	1.66	0%	0.73	1,187	0.93	796	Evaluation	<u>S4 036 DU01</u>	<u>Maintained</u>	<u>0.73</u>	<u>1,187</u>	<u>Yes</u>
												S4_036_DU02	Other	0.93	796	No
S4_037	Mixed	9	Yes	100%	1.92	0%	1.02	1,287	0.90	1,495	Evaluation	<u>S4 037 DU01</u>	<u>Maintained</u>	<u>1.02</u>	<u>1,287</u>	<u>Yes</u>
												S4_037_DU02	Other	0.90	1,495	No
S4_038	Other	0	Yes	73%	2.28	0%	0.00	NA	2.28	1,928	Evaluation	<u>S4 038 DU01</u>	<u>Other</u>	<u>1.13</u>	<u>1,354</u>	<u>Yes</u>
												<u>S4 038 DU02</u>	<u>Other</u>	<u>1.15</u>	<u>2,496</u>	<u>Yes</u>
S4_039	Mixed	0	Yes	76%	2.65	0%	0.90	1,376	1.75	3,816	Evaluation	<u>S4 039 DU01</u>	<u>Maintained</u>	<u>0.90</u>	<u>1,376</u>	<u>Yes</u>
												<u>S4 039 DU02</u>	<u>Other</u>	<u>1.75</u>	<u>3,816</u>	<u>Yes</u>
S4_040	Maintained	0	Yes	19%	0.23	0%	0.23	2,090	0.00	NA	Evaluation	<u>S4 40-41 DU01</u>	<u>Maintained</u>	<u>1.74</u>	<u>2,914</u>	<u>Yes</u>
												<u>S4 40-41 DU02</u>	<u>Maintained</u>	<u>1.36</u>	<u>2,783</u>	<u>Yes</u>
S4_041	Mixed	0	No	100%	7.69	0%	5.74	3,555	1.96	7,613	Evaluation	<u>S4 40-42 DU03</u>	<u>Other</u>	<u>1.96</u>	<u>7,613</u>	<u>Yes</u>
S4_042	Maintained	0	Yes	20%	0.25	0%	0.25	2,111	0.00	NA	Evaluation	<u>S4 41-42 DU01</u>	<u>Maintained</u>	<u>1.55</u>	<u>3,224</u>	<u>Yes</u>
												<u>S4 41-42 DU02</u>	<u>Maintained</u>	<u>1.56</u>	<u>4,826</u>	<u>Yes</u>
S4_043	Mixed	0	Yes	52%	0.79	0%	0.06	2,881	0.73	3,227	Evaluation	<u>S4 043 DU01</u>	<u>Other</u>	<u>0.73</u>	<u>3,227</u>	<u>Yes</u>
												<u>S4 043 DU02</u>	<u>Maintained</u>	<u>0.06</u>	<u>2,881</u>	<u>Yes</u>
S4_044	Other	0	No	52%	0.80	0%	0.00	NA	0.80	4,115	Evaluation	<u>S4 44-45 DU01</u>	<u>Other</u>	<u>1.81</u>	<u>4,433</u>	<u>Yes</u>
S4_045	Other	0	Yes	51%	1.02	0%	0.00	NA	1.02	4,681	Evaluation					
S4_046	Mixed	0	Yes	50%	1.83	0%	0.21	1,847	1.62	5,005	Evaluation	<u>S4 046 DU01</u>	<u>Maintained</u>	<u>0.21</u>	<u>1,847</u>	<u>Yes</u>
												<u>S4 046 DU02</u>	<u>Other</u>	<u>1.62</u>	<u>5,005</u>	<u>Yes</u>
S4_047	Mixed	0	Yes	11%	0.17	0%	0.05	2,132	0.12	1,626	Evaluation	<u>S4 047 DU01</u>	<u>Maintained</u>	<u>0.05</u>	<u>2,132</u>	<u>Yes</u>
												<u>S4 047 DU02</u>	<u>Other</u>	<u>0.12</u>	<u>1,626</u>	<u>Yes</u>
S4_048	Mixed	0	Yes	48%	1.15	0%	0.83	4,144	0.32	4,497	Evaluation	<u>S4 048 DU01</u>	<u>Maintained</u>	<u>0.83</u>	<u>4,144</u>	<u>Yes</u>
												<u>S4 048 DU02</u>	<u>Other</u>	<u>0.32</u>	<u>4,497</u>	<u>Yes</u>
S4_049	Mixed	0	Yes	56%	0.85	0%	0.03	263	0.82	4,603	Evaluation	<u>S4 049 DU01</u>	<u>Maintained</u>	<u>0.03</u>	<u>263</u>	<u>Yes</u>
												<u>S4 049 DU02</u>	<u>Other</u>	<u>0.82</u>	<u>4,603</u>	<u>Yes</u>
S4_050	Maintained	0	Yes	55%	1.05	0%	1.05	4,618	0.00	NA	Evaluation	<u>S4 050 DU01</u>	<u>Maintained</u>	<u>1.05</u>	<u>4,618</u>	<u>Yes</u>
S4_051	Maintained	0	Yes	63%	1.10	0%	1.10	3,034	0.00	NA	Evaluation	<u>S4 051 DU01</u>	<u>Maintained</u>	<u>1.10</u>	<u>3,034</u>	<u>Yes</u>
S4_052	Other	0	Yes	51%	0.79	0%	0.00	NA	0.79	318	Evaluation	S4_052_DU01	Other	0.79	318	No
S4_053	Other	0	Yes	51%	0.72	0%	0.00	NA	0.72	311	Evaluation	S4_053_DU01	Other	0.72	311	No
S4_054	Other	2	Yes	65%	1.08	0%	0.00	NA	1.08	295	Evaluation	S4_054_DU01	Other	1.08	295	No
S4_055	Other	0	No	87%	1.70	0%	0.00	NA	1.70	228	Evaluation	S4_055_DU01	Other	1.70	228	No
S4_056	Mixed	0	Yes	44%	0.89	0%	0.33	31	0.57	247	Evaluation	S4_056_DU01	Maintained	0.33	31	No
												S4_056_DU02	Other	0.57	247	No
S4_057	Other	0	Yes	41%	0.35	0%	0.00	NA	0.35	245	Evaluation	S4_057_DU01	Other	0.35	245	No
S4_058	Other	0	Yes	48%	0.44	0%	0.00	NA	0.44	212	Evaluation	S4_058_DU01	Other	0.44	212	No
S4_059	Other	0	Yes	51%	0.58	0%	0.00	NA	0.58	199	Evaluation	S4_059_DU01	Other	0.58	199	No
S4_060	Other	0	Yes	55%	0.26	0%	0.00	NA	0.26	246	Evaluation	S4_060_DU01	Other	0.26	246	No
S4_061	Other	0	Yes	29%	0.20	14%	0.00	NA	0.20	204	Evaluation	S4_061_DU01	Other	0.20	204	No

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S4_062	Other	15	No	100%	35.80	0%	0.00	NA	35.80	3,310	Evaluation	S4_62-67_DU01	<u>Other</u>	<u>11.57</u>	<u>6,567</u>	<u>Yes</u>
												S4_62-67_DU02	<u>Other</u>	<u>10.72</u>	<u>4,561</u>	<u>Yes</u>
												S4_62-67_DU03	<u>Other</u>	<u>19.66</u>	<u>3,849</u>	<u>Yes</u>
S4_063	Other	29	No	100%	45.37	0%	0.00	NA	45.37	3,767	Evaluation	S4_62-67_DU04	<u>Other</u>	<u>18.01</u>	<u>3,264</u>	<u>Yes</u>
												S4_62-67_DU05	<u>Other</u>	<u>19.08</u>	<u>1,387</u>	<u>Yes - Data Gap</u>
												S4_62-67_DU06	<u>Other</u>	<u>17.40</u>	<u>873</u>	<u>Yes - Replicate</u>
S4_064	Other	1	No	100%	12.89	0%	0.00	NA	12.89	560	Evaluation	S4_62-67_DU07	<u>Other</u>	<u>20.66</u>	<u>863</u>	<u>Yes - Data Gap</u>
												S4_62-67_DU08	Other	20.86	851	No
												S4_62-67_DU09	Other	26.54	834	No
S4_065	Other	7	No	100%	19.54	0%	0.00	NA	19.54	790	Evaluation	S4_62-67_DU10	Other	25.06	732	No
												S4_62-67_DU11	Other	21.33	602	No
S4_066	Other	16	No	100%	61.65	0%	0.00	NA	61.65	920	Evaluation	S4_62-67_DU12	Other	14.36	470	No
												S4_62-67_DU13	Other	10.32	470	No
S4_067	Other	34	Yes	94%	59.99	0%	0.00	NA	59.99	483	Evaluation	S4_62-67_DU14	Other	10.65	582	No
												S4_62-67_DU15	Other	4.87	174	No
S4_068	Other	0	No	47%	0.62	0%	0.00	NA	0.62	249	Evaluation	S4_68-69_DU01	Other	0.84	299	No
S4_069	Other	0	Yes	30%	0.22	0%	0.00	NA	0.22	438	Evaluation					
S4_070	Other	0	Yes	20%	0.30	0%	0.00	NA	0.30	264	Evaluation	S4_070_DU01	Other	0.30	264	No
S4_071	Other	15	No	74%	13.86	14%	0.00	NA	13.86	1,996	Evaluation	S4_71-72_DU01	<u>Other</u>	<u>19.68</u>	<u>1,799</u>	<u>Yes</u>
S4_072	Other	18	Yes	48%	26.37	14%	0.00	NA	26.37	1,025	Evaluation	S4_71-72_DU02	Other	20.54	938	No
S4_073	Mixed	0	Yes	11%	0.23	100%	0.00	NA	0.23	335	Evaluation	S4_073_DU01	<u>Maintained</u>	<u>0.03</u>	<u>360</u>	<u>Yes - Data Gap</u>
												S4_073_DU02	<u>Other</u>	<u>0.19</u>	<u>330</u>	
S4_074	Other	0	Yes	8%	0.24	15%	0.00	NA	0.24	167	Evaluation	S4_074_DU01	Other	0.24	167	No
S4_075	Other	0	Yes	24%	1.10	0%	0.00	NA	1.10	270	Evaluation	S4_075_DU01	Other	1.10	270	No
S4_076	Other	0	Yes	38%	3.43	0%	0.00	NA	3.43	325	Evaluation	S4_076_DU01	Other	3.43	325	No
S4_077	Mixed	7	Yes	41%	4.79	3%	0.35	202	4.44	274	Evaluation	S4_077_DU01	<u>Maintained</u>	<u>0.35</u>	<u>202</u>	<u>Yes</u>
												S4_077_DU02	Other	4.44	274	No
S4_078	Other	6	Yes	28%	0.96	0%	0.00	NA	0.96	138	Evaluation	S4_078_DU01	Other	0.96	138	No
S4_079	Mixed	0	Yes	41%	2.90	4%	0.90	1,106	2.00	1,516	Evaluation	S4_079_DU01	<u>Maintained</u>	<u>0.25</u>	<u>229</u>	<u>Yes</u>
												S4_079_DU02	<u>Maintained</u>	<u>0.65</u>	<u>1,450</u>	<u>Yes</u>
												S4_079_DU03	Other	2.00	1,516	No
S4_080	Mixed	0	Yes	29%	1.23	0%	0.29	1,794	0.94	3,112	Evaluation	S4_80-81_DU01	<u>Maintained</u>	<u>0.36</u>	<u>1,446</u>	<u>Yes</u>
S4_081	Other	0	No	10%	0.66	0%	0.07	31	0.59	1,516	Evaluation	S4_80-81_DU02	<u>Other</u>	<u>1.23</u>	<u>2,388</u>	<u>Yes</u>
												S4_81-82_DU02	<u>Other</u>	<u>1.38</u>	<u>1,795</u>	<u>Yes</u>
S4_082	Mixed	0	Yes	30%	1.32	0%	0.24	10	1.08	1,475	Evaluation	S4_81-82_DU01	Maintained	0.24	10	No
S4_083	Mixed	0	Yes	36%	1.76	0%	0.52	457	1.24	1,806	Evaluation	S4_083_DU01	<u>Maintained</u>	<u>0.52</u>	<u>457</u>	<u>Yes</u>
												S4_083_DU02	<u>Other</u>	<u>1.24</u>	<u>1,806</u>	<u>Yes</u>
S4_084	Mixed	0	Yes	44%	2.18	0%	0.35	19	1.82	1,204	Evaluation	S4_084_DU01	Maintained	0.35	19	No
												S4_084_DU02	Other	1.82	1,204	No
S4_085	Mixed	12	Yes	47%	2.36	0%	0.46	35	1.90	1,337	Evaluation	S4_085_DU01	Maintained	0.46	35	No
												S4_085_DU02	Other	1.90	1,337	No
S4_086	Mixed	0	Yes	58%	2.99	0%	2.85	909	0.14	2,300	Evaluation	S4_086_DU01	<u>Maintained</u>	<u>1.08</u>	<u>244</u>	<u>Yes</u>
												S4_086_DU02	<u>Maintained</u>	<u>1.77</u>	<u>1,315</u>	<u>Yes</u>
												S4_086_DU03	<u>Other</u>	<u>0.14</u>	<u>2,300</u>	<u>Yes</u>
S4_087	Mixed	0	Yes	59%	3.23	0%	0.71	449	2.53	1,829	Evaluation	S4_087_DU01	<u>Maintained</u>	<u>0.71</u>	<u>449</u>	<u>Yes</u>
												S4_087_DU02	<u>Other</u>	<u>2.53</u>	<u>1,829</u>	<u>Yes</u>
S4_088	Mixed	17	Yes	61%	3.49	0%	0.17	10	3.32	1,685	Evaluation	S4_088_DU01	Maintained	0.17	10	No
												S4_088_DU02	<u>Other</u>	<u>3.32</u>	<u>1,685</u>	<u>Yes</u>

Table 2. Current Status of Property Evaluations in Segments 2 through 4
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Property Information					Initial Screening							Further Evaluation				
Segment-Specific ID	Land Use	Number of Samples on Parcel	Residence on Parcel?	Percent of Parcel within 8-year Floodplain	Property Area within 8-year Floodplain (acres)	Percent 8-Year Floodplain Area Proxied	Maintained Area within 8-year Floodplain (acres)	Maintained SWAC (ppt TEQ)	Other Area within 8-year Floodplain (acres)	Other SWAC (ppt TEQ)	Result of Screen	DU ID	Maintained or Other?	DU Area (acres)	DU SWAC (ppt TEQ)	Go forward for Further Sampling?
S4_089	Other	0	Yes	63%	7.39	29%	0.00	NA	7.39	1,332	Evaluation	S4_089_DU01	Other	7.39	1,332	No
S4_090	Other	0	No	92%	14.53	36%	0.00	NA	14.53	1,032	Evaluation	S4_090_DU01	Other	14.53	1,032	No
S4_091	Other	33	No	83%	11.63	1%	0.00	NA	11.63	1,493	Evaluation	S4_091_DU01	Other	11.63	1,493	No
S4_092	Mixed	3	Yes	12%	0.31	0%	0.11	12	0.20	278	Evaluation	S4_092_DU01	Maintained	0.11	12	No
												S4_092_DU02	Other	0.20	278	No
S4_093	Mixed	0	Yes	19%	0.50	0%	0.32	16	0.19	18	Screened Out					
S4_094	Other	0	No	100%	19.60	86%	0.00	NA	19.60	1,767	Evaluation	S4_94-95_DU01	Other	18.79	1,378	No
S4_095	Other	28	No	100%	25.35	1%	0.00	NA	25.35	979	Evaluation	S4_94-95_DU02	Other	17.57	1,045	No
S4_096	Mixed	2	Yes	34%	3.79	0%	0.72	50	3.07	591	Evaluation	S4_096_DU01	Maintained	0.72	50	No
												S4_096_DU02	Other	3.07	591	No
S4_097	Other	0	No	56%	38.20	5%	0.00	NA	38.20	312	Evaluation	S4_097_DU01	Other	16.49	448	No
												S4_097_DU02	Other	21.70	209	No
S4_098	Other	15	No	73%	14.59	0%	0.00	NA	14.59	444	Evaluation	S4_098_DU01	Other	14.59	444	No
S4_099	Other	0	Yes	17%	0.96	0%	0.00	NA	0.96	58	Screened Out					
S4_100	Other	0	No	23%	0.41	0%	0.00	NA	0.41	50	Screened Out					
S4_101	Other	0	Yes	11%	0.42	0%	0.00	NA	0.42	56	Screened Out					
S4_102	Other	18	Yes	77%	8.36	0%	0.00	NA	8.36	1,166	Evaluation	S4_102_DU01	Other	8.36	1,166	No
S4_103	Mixed	0	Yes	31%	0.59	0%	0.12	1,149	0.48	438	Evaluation	S4_103 DU01	Maintained	0.12	1,149	Yes
												S4_103_DU02	Other	0.48	438	No
S4_104	Other	0	Yes	35%	0.27	0%	0.00	NA	0.27	1,077	Evaluation	S4_104_DU01	Other	0.27	1,077	No
S4_105	Other	0	Yes	77%	1.55	40%	0.00	NA	1.55	1,597	Evaluation	S4_105_DU01	Other	1.55	1,597	No
S4_106	Other	0	No	80%	2.97	62%	0.00	NA	2.97	1,861	Evaluation	S4_106 DU01	Other	2.97	1,861	Yes
S4_107	Other	0	Yes	8%	0.15	0%	0.00	NA	0.15	688	Evaluation	S4_107_DU01	Other	0.15	688	No
S4_108	Other	0	Yes	6%	0.10	0%	0.00	NA	0.10	101	Evaluation	S4_108_DU01	Other	0.10	101	No
S4_109	Other	0	Yes	7%	0.11	14%	0.00	NA	0.11	50	Screened Out					
S4_110	Other	0	Yes	7%	0.10	19%	0.00	NA	0.10	50	Screened Out					
S4_111	Other	0	No	19%	0.15	0%	0.00	NA	0.15	50	Screened Out					
S4_112	Mixed	0	Yes	17%	0.10	0%	0.07	50	0.03	50	Evaluation	S4_112 DU01	Maintained	0.07	50	Yes - Data Gap
												S4_112_DU02	Other	0.03	50	No
S4_113	Maintained	0	Yes	17%	0.07	0%	0.07	237	0.00	NA	Evaluation	S4_113 DU01	Maintained	0.07	237	Yes
S4_114	Maintained	0	Yes	23%	0.11	0%	0.11	485	0.00	NA	Evaluation	S4_114-115 DU01	Maintained	0.20	486	Yes
S4_115	Maintained	0	No	22%	0.09	0%	0.09	488	0.00	NA	Evaluation					
S4_116	Maintained	0	Yes	24%	0.14	0%	0.14	488	0.00	NA	Evaluation	S4_116 DU01	Maintained	0.14	488	Yes
S4_117	Maintained	0	Yes	24%	0.26	0%	0.26	488	0.00	NA	Evaluation	S4_117 DU01	Maintained	0.26	488	Yes
S4_118	Maintained	0	Yes	30%	0.30	0%	0.30	486	0.00	NA	Evaluation	S4_118 DU01	Maintained	0.30	486	Yes
S4_119	Maintained	0	Yes	36%	0.29	0%	0.29	519	0.00	NA	Evaluation	S4_119 DU01	Maintained	0.29	519	Yes
S4_120	Maintained	2	Yes	40%	0.35	0%	0.35	561	0.00	NA	Evaluation	S4_120 DU01	Maintained	0.35	561	Yes
S4_121	Maintained	0	Yes	41%	0.39	0%	0.39	551	0.00	NA	Evaluation	S4_121 DU01	Maintained	0.39	551	Yes
S4_122	Maintained	0	Yes	40%	0.46	0%	0.46	551	0.00	NA	Evaluation	S4_122 DU01 - received remedy in 2016				
S4_123	Maintained	0	Yes	54%	1.23	5%	1.23	544	0.00	NA	Evaluation	S4_123 DU01 - received remedy in 2016				
S4_124	Maintained	0	Yes	51%	0.69	0%	0.69	573	0.00	NA	Evaluation	S4_124 DU01 - received remedy in 2016				
S4_125	Maintained	0	Yes	52%	0.51	0%	0.51	571	0.00	NA	Evaluation	S4_125 DU01 - received remedy in 2016				
S4_126	Maintained	0	Yes	15%	0.08	0%	0.08	399	0.00	NA	Evaluation	S4_126 DU01 - received remedy in 2016				
S4_127	Maintained	0	Yes	53%	0.58	0%	0.58	616	0.00	NA	Evaluation	S4_127 DU01 - received remedy in 2016				
S4_128	Mixed	0	Yes	59%	0.79	0%	0.56	838	0.22	488	Evaluation	S4_128 DU01 - received remedy in 2016				
												S4_128_DU02	Other	0.22	488	No
S4_129	Maintained	0	Yes	63%	0.71	1%	0.71	640	0.00	NA	Evaluation	S4_129 DU01 - received remedy in 2016				

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Property Information					Initial Screening							Further Evaluation				
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S4_130	Maintained	0	Yes	61%	0.69	0%	0.69	644	0.00	NA	Evaluation	S4_130 DU01 - received remedy in 2016				
S4_131	Mixed	0	Yes	60%	0.57	0%	0.45	572	0.12	784	Evaluation	S4_131 DU01 - received remedy in 2016				
S4_132	Maintained	1	Yes	54%	0.37	0%	0.37	474	0.00	NA	Evaluation	S4_131_DU02	Other	0.12	784	No
S4_132	Maintained	1	Yes	54%	0.37	0%	0.37	474	0.00	NA	Evaluation	S4_132_DU01	Maintained	0.37	474	Yes
S4_133	Maintained	0	Yes	23%	0.14	0%	0.14	383	0.00	NA	Evaluation	S4_133_DU01	Maintained	0.14	383	Yes
S4_134	Other	41	No	51%	49.09	4%	0.00	NA	49.09	1,305	Evaluation	S4_134_DU01	Other	11.92	724	No
S4_134	Other	41	No	51%	49.09	4%	0.00	NA	49.09	1,305	Evaluation	S4_134_DU02	Other	19.17	1,300	No
S4_134	Other	41	No	51%	49.09	4%	0.00	NA	49.09	1,305	Evaluation	S4_134_DU03	Other	17.99	1,695	Yes
S4_135	Mixed	0	Yes	12%	0.05	0%	0.03	50	0.02	86	Screened Out					

Notes:

Grey highlighted cells indicate properties with both maintained and other SWACs below 90 ppt TEQ. These properties did not proceed past the screening step. Bold underlined text indicates Maintained DU with SWAC above 90 ppt TEQ, Other DU with SWAC above 1,600 ppt TEQ, or a data gap DU that will go forward for supplemental sampling.

DU: decision unit
SWAC: surface-weighted average concentration
ppt: parts per trillion
TEQ: toxic equivalence

Table 9. Summary of Property Evaluations and Work Conducted to Date
Tittabawassee River Floodplain - 2016 Floodplain Annual Report

Segment	General Information		Screening Process		Evaluation of DUs Using Existing Data					Sampling Summary				Implementation Summary						
	Total Area (acres)	Total Number of Properties	Total Number of Properties Screened Out	Total Area Screened Out (acres)	Total Number of Properties Evaluated	Total Number of DUs Evaluated	Number of Maintained DUs Identified for Sampling (See Note 1)	Number of Other DUs Identified for Sampling (See Note 1)	Number of DUs Identified for Sampling (See Note 1)	Number of Maintained DUs Sampled (See Note 3)	Number of Other DUs Sampled (See Note 3)	Total Number of DUs Sampled	Total Number of DUs with Replicate Samples	Number of DUs Identified for Remedy	Number of Maintained DUs Remediated (See Note 4)	Maintained Area Remediated (acres)	Number of Other DUs Remediated (See Notes 4 and 5)	Other Area Remediated (acres)	Total Number of DUs Remediated	Total Area Remediated (acres)
2	740	57	11	12	46	74	2 (including 1 replicate)	7 (including 1 replicate)	9	2	7	9	2	3 (2 Maintained; 1 Other)	2	1.6	0	0	2	1.6
3	650	149	46	15	103	138	21 (including 5 replicates)	12 (including 4 replicates)	33	20	11	31	9	15 (14 Maintained; 1 Other)	11	5.8	0	0	11	5.8
4	625	135	8	3	127	177	59 (including 9 replicates)	28 (including 2 replicates)	88 (includes 1 entire 8-year floodplain area - see Note 2)	55	26	82 (includes 1 entire 8-year floodplain area - see Note 2)	11	55 (45 Maintained; 10 Other)	10	4.7	0	0	10	4.7
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	2016	341	65	30	276	389	82	47	130	77	44	122	22	73	23	12	0	0	23	12

- Notes:
- DUs selected randomly for replicate sampling are included in the numbers identified for sampling in this table in addition to those that trigger sampling from the estimated DU SWAC.
 - Sampling was conducted across the entire property (within the 8-year floodplain) for S4_073, and the resulting concentration was less than 90 ppt TEQ; therefore, no further sampling was required for the property.
 - Access for sampling was refused in some cases. Additional efforts may be taken to obtain access for sampling for remaining DUs not sampled. These properties will continue to be monitored as part of the post -removal site-control process required under the floodplain AOC.
 - Early remedial action was completed in select Segment 4 properties. Remaining remedial work will be conducted in Segment 4 through 2017. Access for remedy was refused in some cases. Additional efforts may be taken to obtain access for remedy and these properties will continue to be monitored as part of the post-removal site-control process required under the floodplain AOC.
 - S2_01_DU02 will be further evaluated and investigated prior to making a decision on remedial area. It is anticipated that this work will continue in 2017.

AOC: Administrative Settlement Agreement and Order on Consent
DU: decision unit
ppt: parts per trillion
SWAC: surface-weighted average concentration
TEQ: toxic equivalence