

**SWANSON CREEK OIL SPILL
NATURAL RESOURCE DAMAGE ASSESSMENT
EXTENT OF OILING REPORT**

Prepared by:

The Marsh Assessment Subgroup
for
The Swanson Creek NRDA Trustee Council
Pepco
ST Services

January 23, 2002

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1.0 INTRODUCTION

This document will describe the total extent of oiling, and the location of oil relative to different shoreline habitats of the Patuxent River and its tributaries. The degree of oiling at each location and habitat is categorized as light, moderate, or heavy. The procedures used to assess oiling distribution and evaluate data to arrive at these totals are presented below.

1.1 APPROACH TO DETERMINING THE LOCATION OF OIL IN THE PATUXENT RIVER SYSTEM

Oiling in shoreline areas and interior areas were analyzed separately and by different methods. Assessment methods for the shoreline assessment relied on Shoreline Clean-up Assessment Teams (SCAT) data and the interior assessment relied on aerial photograph analysis. The two methodologies were used because: 1) the amount of oil in shoreline areas was much more dynamic than oil in interior areas; and 2) shorelines were being cleaned earlier in the response effort and natural processes reduced the amount of oil present along shorelines much more rapidly than for interior oiled areas; 3) it was difficult to assess the extent of shoreline oiling from aerial photographs because the bands of oil were often less than 1 meter wide and were sometimes located under tree or shrub canopies; and 4) interior oiling was difficult to assess from the ground because of the difficulty of moving through the marshes. For these reasons interior oiling was assessed by analyzing aerial photographs taken on April 24, 2000 and shoreline oiling was assessed from information gathered by SCAT on the ground.

2.0 SHORELINE ASSESSMENT

2.1 COLLECTION OF SCAT DATA

Field observations used to assess the degree of shoreline oiling were collected between April 13 and 24, 2000. Oiling pattern characteristics were assessed using the SCAT procedure. The SCAT procedure was developed during the *Exxon Valdez* oil spill, and has been refined over the past decade. The SCAT procedure is accepted as the benchmark for documenting shoreline-oiling characteristics using standardized terminology and procedures.

The goals of the SCAT program were to:

- Document the location, amount and character of oil on the shoreline;
- Provide the Planning and Operations Sections with accurate shoreline oiling information to aid in the decision-making process; and
- Formulate recommendations for appropriate clean-up methods, priorities and constraints.

Numerous individuals participated on the SCAT during the course of the response. Though an effort was made at maintaining consistency among team members, conflicting schedules among personnel did not always allow for full time participation. In addition, assignments were made to ensure that representative experience levels were spread among each team. SCAT participants included representatives from the following organizations:

- Maryland Department of Natural Resources (MDNR);
- Maryland Department of the Environment (MDE);
- National Oceanic and Atmospheric Association (NOAA);
- U.S. Fish and Wildlife Service (USFWS);
- U.S. Coast Guard (USCG);
- Pepco;
- ENTRIX, Inc. (representing Pepco);
- Polaris Applied Sciences (representing Pepco); and
- Gallagher Marine Systems, Inc. (representing Pepco).

The oiled and unoiled shoreline of affected portions of the Patuxent River and its tributaries were divided into shoreline segments. The segments were further subdivided based on the uniformity of shoreline sediments or substrate, and oiling conditions. Segments and subdivisions were assigned an alpha-numeric code. In some of the more heavily impacted segments, multiple surveys were conducted over the course of the clean-up. Subdivision boundaries between first, second and third surveys were not consistent.

2.1.1 Data Collected

Oiling characteristics were entered on a standardized Shoreline Oiling Summary (SOS) form, accompanied with a map indicating segment and subdivision boundaries. Critical data fields on the SOS forms include width of the oiled area, distribution (or percent cover) by oil, and thickness of the deposited oil. A separate distribution was assigned to each oil thickness within the oiled area. It was fairly typical to have more than one distribution and thickness within the oiled area. Thus a given area (defined by a width and length specified on the SOS forms) might contain five percent cover by tarballs and 20% cover by a coating of oil. Shoreline types were indicated using the following ESI (Environmental Sensitivity Index) categories:

1. Seawalls, piers, and manmade structures;
2. Exposed, fine sand beaches;
3. Sheltered, fine sand beaches;
4. Coarse sand beaches;
5. Exposed tidal flats;
6. Rip rap;
7. Supratidal marshes, partially protected by elevation;
8. Freshwater marshes;
9. Sheltered tidal flats;
10. Fringing, intertidal marshes; and
11. Extensive intertidal marshes.

2.1.2 Data Gaps

Following completion of the SCAT field surveys, it was noted that data gaps existed in several locations. To fill the gaps in shoreline coverage, aerial videotapes were reviewed. Based on this review, shoreline-oiling information was reconstructed and the data were entered into the database. Aerial videotapes were also used to determine worst case oiling conditions in segments where the amount of shoreline oiling was suspected of being greater prior to SCAT surveys.

2.2 ESTIMATE OF MAXIMUM OILING

Estimation of maximum observed oiling categories for each location along the shoreline was completed in two steps. This was necessary because multiple surveys were conducted.

The first step was to calculate an overall-oiling category for each subdivision in each survey. When multiple distributions and thickness' were indicated on the forms for an individual subdivision, the following calculations were made:

- The oil distribution (percent cover) was evaluated as the sum total of oil distribution of each of the reported oil thickness’;
- The overall oil thickness was a weighted average thickness calculated from a combination of each oil thickness observation weighted by its respective distribution using the following formula:

$$\sum_{i=1}^n Di * Ti / \sum_{i=1}^n Di$$

Where:

n = Total number of thickness categories reported in the subdivision

Di = Distribution reported for oil band i ;

Ti = Oil thickness reported for oil band i .

In the second step, the maximum oiling category was assessed for each portion of the shoreline. This was done by comparing oiling categories assessed for each survey. Due to continued mobility of the oil and on-going clean-up efforts, several of the more heavily impacted segments were surveyed on multiple occasions. Since the location of subdivision boundaries often changed from one survey to the next, new subdivisions often had to be created. The oiling category data used for each of these new subdivisions corresponded either: 1) to the survey where the oiling category was highest; or 2) when oiling categories were equal between surveys, to the situation where oil thickness was reported as highest. When oil thickness and oiling categories were equal for the same portion of the shoreline between two surveys, data from the later survey was generally used. At the end of this process, each section of shoreline was assigned the oil thickness, distribution, and width present when the maximum amount of oil was present.

A more detailed account of the SCAT process and results can be found in the final SCAT report titled “Summary of SCAT Activities and Data Management: Swanson Creek Incident” dated October 16, 2000. Data tables from the SCAT report are presented in Appendix A.

2.3 DEGREE OF OIL CLASSIFICATION

The Wetland Assessment Team used the data from the final SCAT report to categorize shorelines based on the amount of injury expected from the oil. These categories are different from those assigned by the SCAT. Light oiling was defined as oil with a thickness less than coat (> 0.01 cm) or a distribution of less than 10% wherever it occurred in the spill zone. Areas with a thickness greater than coat and with a distribution greater than 10% were designated as either moderate or heavily oiled. Oiled areas in Swanson Creek that did not meet the criteria for light oiling received a heavy designation. The oil was initially trapped in Swanson Creek by booms so the fresher more toxic oil was concentrated there and these areas appeared to have more oil penetration beneath the surface layers of soil. Oiled areas outside Swanson Creek that did not meet the criteria for light oiling received a moderate oiling designation. The location of light,

moderate, and heavy shoreline parcels is shown in Swanson Creek Incident NRDA Oiling Classification Maps located in the map pockets at the end of this report.

2.3.1 Calculation of Area Oiled

The width and length of the oil band documented by SCAT for each subdivision were used to estimate the total area oiled. In some subdivisions, the width of oil is the estimated width at a time when oil thickness and distribution was greatest but when the width of the oiled area was not. The data collected for each subdivision was examined and the maximum width of oiling from any survey was used to calculate the area of oiling. This width is shown in “Max Width” column of Appendix 1B.

During various field visits, the Wetland Assessment Team noted oiling in five areas of shoreline that were not assessed by SCAT. These areas were assigned a light, moderate, or heavy oiling designation and an oiling width by the marsh group. The segments were then added to the maps and used in all calculations of oiled area. The group also realized that the widths assigned to the more heavily oiled shoreline segments did not account for remobilization of oil further back toward the interior of the marsh. The group agreed to incorporate a 5-meter-wide shoreline transitional area to account for the remobilized oil. The 5-meter-wide band is associated with all moderate and heavily oiled shoreline segments.

Data on each shoreline segment is contained in the spreadsheet in Appendix 1B, Oiled Widths and Areas of All Shoreline Segments. This data corresponds to the associated data set from the SCAT report presented in Appendix 1A. The complete data set is included as the electronic file NRDAoil.xls on the CD-ROM located in the pocket at the back of this report.

3.0 ANALYSIS OF INTERIOR OILING

3.1 COLLECTION OF DATA

Aerial photography was used to assign oiling categories to areas of interior marsh. Fixed wing, georectified aerial photos were taken by Nova Digital on April 24, 2000. These aeriels were photomosaiced to produce composite photos of the major tributaries to the Patuxent River that may have contained areas of interior marsh.

3.1.1 *Heavy Interior Oiling*

Heavily oiled vegetation showed up as black patches on the photos. An analysis of the photos showed that heavy interior oiling only occurred in Swanson Creek.

3.1.2 *Interior Transitional Area*

During field visits, the Wetland Assessment Team realized that the edge of the interior oiled area was not visible on the photographs and agreed to add a 5-meter wide transition to the area visible in the photos. This area is called the transitional oiled areas on the NRDA Oiling Classification Maps included in the map pockets at the back of this report.

Some transitional areas were very irregular in shape and in some places totally surrounded unoiled marsh. These enclosed areas of unoiled marsh were generally small and were also assigned to the interior transitional category.

3.1.3 *Restricted Access Areas*

In some places, polygons of unoiled marsh had more than 80% of their perimeter oiled. Although no oil reached these areas, the oil may have restricted the movement of animals into the unoiled marsh and reduced services. The Wetland Assessment Team visually assessed the aerial photographs and these unoiled but affected areas were then assigned to a restricted access category (Table 4-1).

4.0 ASSESSMENT OF HABITAT TYPES AFFECTED BY OIL

4.1 GENERAL HABITAT TYPES

The eleven ESI shoreline types (see section 2.1.1) were classified into three general habitat types. ESI codes 1 and 6 were classified as manmade structures. ESI codes 2, 3, 4, 5, and 9 were classified as unvegetated areas. ESI codes 7, 8, 10, and 11 were classified as marshes. Many shoreline subdivisions were characterized with two or more ESI codes. It was assumed that when two or more ESI codes were assigned, the different habitats were arranged in bands one behind another. In order to calculate the area in each subdivision comprising the different general habitat types, the width of each subdivision was divided among the general habitat types using the following rules.

- If the segment was classified entirely as one general habitat type the entire width was assigned to that habitat type;
- If a subdivision contained both a manmade ESI code and an unvegetated or marsh ESI code no width was assigned to the manmade habitat type; and
- If a subdivision contained both unvegetated and marsh ESI codes the width was evenly divided between unvegetated habitat and marsh habitat.

The widths of each general habitat type were then used to calculate the area of each general habitat type in each subdivision. These widths are shown in the appropriate columns in Appendix 1B “Oiled Widths and Areas of All Shoreline Segments”. See Table 4-1 for a breakdown of oiled area by general habitat type.

Table 4-1. Extent of Oiling by General Habitat Type (acres)

Category	Manmade Shoreline	Beach Shoreline	Marsh Shoreline	Marsh Interior
Heavy	0.00	0.47	3.34	16.18
Moderate	0.65	6.40	12.01	
Light	0.85	3.24	7.87	
Transitional areas			32.60	7.87
Restricted Access Areas				4.11
Total acres	1.49	10.11	55.81	28.16
Grand total:	95.58			

Note: Sums in Table 4-1 (Total acres) are taken directly from the NRDAoil.xls spreadsheet which was used to calculate oiled area. Adding the reported values in Table 4-1 results in rounding errors.

4.2 SHORELINE MARSH HABITATS

In order to associate oiling levels with specific marsh habitat types, each section of the shoreline containing marsh habitat was assessed for the plant community present. During the marsh

assessments conducted in July and September, members of the Wetland Assessment Team conducted a field reconnaissance of the entire shoreline to verify habitat types. Using McCormick¹ maps as a starting point, they recorded habitat boundaries for the shoreline areas. Since the McCormick maps were created in the 1970s, the field reconnaissance was conducted to verify the current accuracy. The field-corrected McCormick maps were then digitized as one layer of an ARCVIEW GIS database and overlain on a map of oiling characteristics. The two data sets were used to generate a table showing degree of oiling by habitat type (Appendix 2 and Table 4-2).

The McCormick maps often showed areas of species associations by designating both dominant and subdominant species and these were not changed during the field survey. These areas were assigned the habitat type of the dominant species. Any marsh areas for which habitat type was unknown were assigned a habitat type of *Spartina spp.* These areas will be apportioned to *Spartina alterniflora* and *Spartina cynosuroides* habitat.

4.3 INTERIOR MARSH HABITATS

Interior habitats were determined by comparing McCormick maps to aerial photographs with the aid of personal knowledge of the area. Members of the Wetland Assessment Team sketched habitat boundaries of *Typha*, *Spartina cynosuroides*, and *Phragmites australis* onto an aerial photograph taken in September 2000. Habitats were only determined for oiled areas. Areas east of the pipeline corridor were not assigned a habitat type. Area W1A is a mixture of areas dominated by *Typha*, *Spartina alterniflora*, *Spartina cynosuroides*, or *Scirpus sp.* This area was not broken down into separate habitat types because of the difficulty in delineating areas from the aerial photographs and because a single recovery curve has been proposed for the entire area. All other oiled interior areas appear to be predominantly *Spartina spp.* All the interior oiled areas designated as *Spartina cynosuroides* or *Spartina spp.* were assigned to the *Spartina spp.* habitat type. The absence on the McCormick maps of any *Spartina alterniflora* areas in Swanson Creek and the inclusion of *Spartina alterniflora* quads in the *Spartina cynosuroides* areas sketched by Wetland Assessment Team members makes this the most appropriate designation. These areas will be apportioned to *Spartina alterniflora* and *Spartina cynosuroides* habitat for the injury assessment. All habitat boundaries were digitized as a layer of an ARCVIEW GIS database and overlain on a map of oiling characteristics. The two data sets were used to generate a table of degree of oiling by habitat type (Table 4-2).

In areas where the SCAT shoreline subdivisions partially overlapped with delineated interior oiled areas the length of the SCAT subdivision was reduced to eliminate the overlap. In areas where the SCAT shoreline subdivisions totally overlapped with delineated interior oiled areas a width of 0 was used for the SCAT subdivision for calculations of areas. See the data notes in Appendix 1B “Oiled Widths and Areas of All Shoreline Segments” for details on which subdivisions were affected.

¹ McCormick, Jack, and Horace A. Somes, Jr. 1982. *The Coastal Wetlands of Maryland*. Maryland Department of Natural Resources, Coastal Zone Management Program.

Addendum

The Extent of Oiling Report and the Wetland Injury Report differ in the number of acres that were reported as oiled. This difference is not an error but results from differences in the treatment of heavily oiled interior marsh and interior transitional areas in the two reports. The area of heavily oiled marsh was determined from aerial photographs taken of the spill site. During the damage assessment, the marsh assessment group agreed that a 5-meter wide band adjacent to the heavily oiled marsh would be added to account for areas that were oiled but were not visible on the aerial photographs. This 5 meter wide band was designated as the interior transitional area in Table 4-2 of the Extent of Oiling Report and treated as a separate oiling category.

In the estimating the wetland injury, the marsh assessment group agreed that the interior transitional areas suffered half the injury of the heavily oiled interior marsh. To facilitate the calculation of injury in the Wetland Injury Report, the acreage of the interior transition area associated with each species was divided by two and added to the area of heavy interior oiling. For any heavily oiled interior injury category, the acreage from the Wetland Injury Report can be calculated by adding one half the acreage from the interior transition area to the acreage from the injury category in Extent of Oiling Report. For example, Exhibit 7 of the Wetland Injury Report shows 2.3 acres of heavily oiled interior *Typha angustifolia* which includes 1.49 acres of heavily oiled marsh that was visible on the aerial photographs plus one half of the 1.63 acres of *T. angustifolia* from the adjacent interior transitional area. The 1.49 acres of heavily oiled interior *T. angustifolia* marsh and the 1.63 acres of interior transitional *T. angustifolia* marsh are reported separately in Table 4.2 of the Extent of Oiling Report. The same method of calculation can be used to reconcile the acreage of *Spartina* injury, W1A injury, and the total acres impacted in the two reports.

Table 4-2. Extent of Marsh Oiling by Species (acres)

	<i>Spartina alterniflora</i>	<i>Spartina cynosuoides</i>	<i>Typha angustifolia</i>	<i>Iva frutescens</i>	<i>Spartina spp.</i>	Other	W1A	Total
Light Shoreline	3.04	1.07	0.13	0.13	3.30	0.19		7.86
Moderate Shoreline	6.99	0.87	0.02	0.22	1.42	2.49		12.01
Heavy Shoreline	1.25	1.39	0.16		0.54			3.34
Shoreline Transitional Area								32.60
Heavy Interior Oiling			1.49		9.02		5.68	16.18
Interior Transitional Area			1.63		4.75		1.49	7.87
Restricted Access Area			1.03		2.64		0.44	4.11
Grand Total:								83.99

Notes:

"*Spartina spp.*" in shoreline areas are areas that were shown as marsh on the SCAT data and were not shown on the digitized habitat maps

"Other" category includes *Phragmites*, *S. patens* and areas that show up as marsh on the SCAT data but another shoreline type on the digitized habitat map

See Appendix 2 for more details from the digitized habitat maps

APPENDIX 1A
SCAT Data

Segment ID	Subdivision ID	ESI	Survey	Survey Date	Length (m)	Width (m)	Distribution (%)	Thickness (cm)	Oil Character	Scat Oiling Category	NRDA Oiling Category	Max Width (m)	Width Manmade (m)	Width Beach (m)
E-1	E-1a_2	10	2	Apr 18	5005	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-10	E-10A	9-10	1	Apr 15	309	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10B	1-6	1	Apr 15	397	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10C	1	1	Apr 15	484	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10D	3	1	Apr 15	757	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10E	9-10	1	Apr 15	225	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10F	3	1	Apr 15	114	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10G	1	1	Apr 15	843	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-10	E-10I	9-10	1	Apr 15	485	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11A	7-10	1	Apr 15	170	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11B	3	1	Apr 15	70	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11C	7-10	1	Apr 15	175	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11D	3	1	Apr 15	299	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11F	3	1	Apr 15	123	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11G	7-10	1	Apr 15	1699	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11H	1	1	Apr 15	346	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11I	3	1	Apr 15	55	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11J	1	1	Apr 15	129	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11L	1	1	Apr 15	140	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11M	3-4	1	Apr 15	559	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11N	6	1	Apr 15	143	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11O	7-10	1	Apr 15	216	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11P	2	1	Apr 15	149	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-11	E-11Q	7-10	1	Apr 15	359	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12a	10	0	Apr 16	428	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12b	4	0	Apr 16	746	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12c	6	0	Apr 16	2326	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12d	10	0	Apr 16	241	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12e	6	0	Apr 16	280	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12f	4	0	Apr 16	96	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12g	6	0	Apr 16	80	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00

E-12	E-12h	10	0	Apr 16	90	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12i	10-6	0	Apr 16	111	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12j	4-7	0	Apr 16	466	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-12	E-12k	4-10	0	Apr 16	798	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-13	E-13a	6	1	Apr 17	162	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-13	E-13b	4	1	Apr 17	109	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-13	E-13c	6-1	1	Apr 17	596	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-13	E-13d	4-6-9	1	Apr 17	202	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-13	E-13e	4-6-10	1	Apr 17	1844	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-13	E-13g	6	1	Apr 17	450	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-13	E-13h	4-10	1	Apr 17	786	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-13	E-13i	6	1	Apr 17	90	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-13	E-13j	4-7	1	Apr 17	591	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-14	E-14a	4	1	Apr 17	368	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-14	E-14b	1	1	Apr 17	415	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-14	E-14c	4	1	Apr 17	287	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-14	E-14d	1-10	1	Apr 17	254	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14e	10-7	1	Apr 17	825	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14f	6	1	Apr 17	94	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-14	E-14g	10-7-4	1	Apr 17	580	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-14	E-14h	6	1	Apr 17	442	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-14	E-14i	10-1	1	Apr 17	413	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14j	1-10-8	1	Apr 17	135	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14ka	10-1	1	Apr 17	1344	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14kb	10-1	1	Apr 17	1071	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-14	E-14l	1-6	1	Apr 17	171	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-14	E-14m	4-10	1	Apr 17	840	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
E-14	E-14n	1-6-4	1	Apr 17	3002	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-14	E-14o	6-1	1	Apr 17	820	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
E-14	E-14p	10-7-6-1	1	Apr 17	1595	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
E-15	E-15a	4	1	Apr 17	522	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-15	E-15b	4	1	Apr 17	2806	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
E-2	E-2a_2	6-4-7	2	Apr 19	1162	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	162.00	0.00	0.00	0.00
0.00	0.00	109.00	0.00	0.00
0.00	596.00	0.00	0.00	0.00
0.50	0.00	101.00	101.00	0.00
0.50	0.00	922.00	922.00	0.00
0.00	450.00	0.00	0.00	0.00
0.50	0.00	393.00	393.00	0.00
0.00	90.00	0.00	0.00	0.00
0.50	0.00	295.50	295.50	0.00
		1820.50		
0.00	0.00	368.00	0.00	0.00
0.00	415.00	0.00	0.00	0.00
0.00	0.00	287.00	0.00	0.00
1.00	0.00	0.00	254.00	0.00
1.00	0.00	0.00	825.00	0.00
0.00	94.00	0.00	0.00	0.00
0.50	0.00	290.00	290.00	0.00
0.00	442.00	0.00	0.00	0.00
1.00	0.00	0.00	413.00	0.00
1.00	0.00	0.00	135.00	0.00
1.00	0.00	0.00	1344.00	0.00
1.00	0.00	0.00	1071.00	0.00
0.00	171.00	0.00	0.00	0.00
0.50	0.00	420.00	420.00	0.00
0.00	0.00	3002.00	0.00	0.00
0.00	820.00	0.00	0.00	0.00
1.00	0.00	0.00	1595.00	0.00
		4367.00		
0.00	0.00	522.00	0.00	0.00
0.00	0.00	2806.00	0.00	0.00
		3328.00		
0.00	0.00	0.00	0.00	0.00

E-2	E-2b_2	4	2	Apr 19	1593	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-2	E-2c_1	4-10	1	Apr 15	128	2.00	0.50	0.500	FR	Light	light	2.00	0.00	1.00
E-2	E-2d_1	4-10	1	Apr 15	203	3.00	5.00	0.500	FR	Light	light	3.00	0.00	0.00
E-2	E-2d_v	4	3	Apr 10	204	1.00	80.00	0.500	FR	Heavy	moderate	1.00	0.00	1.00
E-2	E-2e_1	4-10	1	Apr 15	649	3.00	35.00	0.500	FR	Moderate	moderate	4.50	0.00	0.00
E-2	E-2e1_v	4	3	Apr 10	186	1.00	80.00	0.500	FR	Heavy	moderate	1.00	0.00	1.00
E-2	E-2e2_v	4	3	Apr 10	70	2.00	95.00	0.500	FR	Heavy	moderate	2.00	0.00	2.00
E-2	E-2e3_v	4-10	3	Apr 10	391	3.50	95.00	1.100	FR	Heavy	moderate	3.50	0.00	1.75
E-2	E-2f_1	4	1	Apr 16	342	8.00	2.00	0.500	TB	Moderate	light	8.00	0.00	8.00
E-2	E-2g_2	4	2	Apr 19	99	1.50	2.00	0.500	TB	Light	light	8.00	0.00	8.00
E-2	E-2h_1	4	1	Apr 16	218	6.00	2.00	0.500	TB	Moderate	light	6.00	0.00	6.00
E-2	E-2i_1	4	1	Apr 16	263	0.50	5.00	0.500	TB	Light	light	0.50	0.00	0.50
E-2	E-2k_1	1	1	Apr 16	35	1.00	7.00	0.500	TB	Light	light	1.50	1.50	0.00
E-2	E-2k_2	11	2	Apr 19	63	1.50	50.00	0.010	SR	Very Light	light	1.50	0.00	0.00
E-2	E-2l_2	11	2	Apr 19	150	1.50	10.00	0.010	SR	Very Light	light	1.50	0.00	0.00
E-2	E-2m_2	10	2	Apr 19	134	1.50	11.00	0.010	SR	Very Light	light	1.50	0.00	0.00
E-2	E-2n_v	10-7	3	Apr 10	66	3.00	85.00	0.500	FR	Heavy	moderate	3.00	0.00	0.00
E-2	E-2o_v	4	3	Apr 10	37	3.00	95.00	0.500	FR	Heavy	moderate	3.00	0.00	3.00
E-2	E-2p_v	4-10	3	Apr 10	33	1.00	50.00	0.050	FR	Light	moderate	1.00	0.00	0.50
E-2	E-2q_v	4	3	Apr 10	131	1.00	50.00	0.050	FR	Light	moderate	1.00	0.00	1.00
E-2	E-2r_v	10-4-7	3	Apr 10	236	3.00	80.00	0.500	FR	Heavy	moderate	3.00	0.00	1.50
E-2	E-2s_v	10-7	3	Apr 10	30	6.00	90.00	0.500	FR	Heavy	moderate	6.00	0.00	0.00
E-2	E-2t_v	10-7	3	Apr 10	183	3.00	90.00	0.500	FR	Heavy	moderate	3.00	0.00	0.00
E-2	E-2u_v	4-10-7	3	Apr 10	38	3.00	90.00	0.500	FR	Heavy	moderate	3.00	0.00	1.50
E-2	E-2v_v	4-10	3	Apr 10	23	4.00	90.00	0.500	FR	Heavy	moderate	4.00	0.00	2.00
E-2	E-2w_v	4-10-7	3	Apr 10	18	2.00	90.00	0.500	FR	Heavy	moderate	2.00	0.00	1.00
E-2	E-2x_v	10-7	3	Apr 10	26	1.00	50.00	0.500	FR	Moderate	moderate	1.00	0.00	0.00
E-2	E-2y_v	10-7	3	Apr 10	38	1.00	10.00	0.500	FR	Light	light	1.00	0.00	0.00
E-3	E-3a_v	4	3	Apr 10	52	1.00	50.00	0.5	FR	Moderate	moderate	1.00	0.00	1.00
E-3	E-3b1_v	10-7	3	Apr 10	88	1.00	90.00	0.5	FR	Heavy	moderate	1.00	0.00	0.00
E-3	E-3b2_v	10-7	3	Apr 10	35	2.00	100.00	1.1	FR	Heavy	moderate	2.00	0.00	0.00
E-3	E-3c_v	1	3	Apr 10	254	1.00	80.00	1.1	FR	Heavy	moderate	1.00	1.00	0.00
E-3	E-3d1_v	1	3	Apr 10	22	1.00	90.00	1.1	FR	Heavy	moderate	1.00	1.00	0.00
E-3	E-3d2_v	6	3	Apr 10	62	1.50	100.00	1.1	FR	Heavy	moderate	1.50	1.50	0.00
E-3	E-3e1_v	6	3	Apr 10	81	1.50	90.00	1.1	FR	Heavy	moderate	3.00	3.00	0.00
E-3	E-3e2_v	4	3	Apr 10	126	2.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00

0.00	0.00	0.00	0.00	0.00
1.00	0.00	128.00	128.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	204.05	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	186.35	0.00	0.00
0.00	0.00	139.55	0.00	0.00
1.75	0.00	683.95	683.95	1954.13
0.00	0.00	2736.00	0.00	0.00
0.00	0.00	792.00	0.00	0.00
0.00	0.00	1308.00	0.00	0.00
0.00	0.00	131.50	0.00	0.00
0.00	52.50	0.00	0.00	0.00
1.50	0.00	0.00	94.50	0.00
1.50	0.00	0.00	225.00	0.00
1.50	0.00	0.00	201.00	0.00
3.00	0.00	0.00	198.29	330.49
0.00	0.00	110.40	0.00	0.00
0.50	0.00	16.53	16.53	165.29
0.00	0.00	130.71	0.00	0.00
1.50	0.00	354.02	354.02	1180.06
6.00	0.00	0.00	182.77	152.31
3.00	0.00	0.00	547.80	913.01
1.50	0.00	57.27	57.27	190.90
2.00	0.00	46.78	46.78	116.95
1.00	0.00	17.88	17.88	89.40
1.00	0.00	0.00	25.67	128.33
1.00	0.00	0.00	37.64	0.00
		7042.98		
0.00	0.00	51.63	0.00	0.00
1.00	0.00	0.00	87.60	438.00
2.00	0.00	0.00	70.58	176.45
0.00	253.90	0.00	0.00	0.00
0.00	21.76	0.00	0.00	0.00
0.00	93.51	0.00	0.00	0.00
0.00	243.35	0.00	0.00	0.00
0.00	0.00	378.53	0.00	0.00

E-3	E-3e3_v	4-6	3	Apr 10	67	2.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-3	E-3e4_v	6	3	Apr 10	51	1.50	100.00	1.1	FR	Heavy	moderate	3.00	3.00	0.00
E-3	E-3f_v	4	3	Apr 10	268	3.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-3	E-3g_v	4	3	Apr 10	182	3.00	80.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-3	E-3h_v	4	3	Apr 10	29	3.00	100.00	1.1	FR	Heavy	moderate	8.00	0.00	8.00
E-3	E-3i_v	4	3	Apr 10	77	3.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-3	E-3j_v	4	3	Apr 10	144	3.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-4	E-4a_v	4	3	Apr 10	247	4.00	100.00	1.1	FR	Heavy	moderate	4.00	0.00	4.00
E-4	E-4b_v	4	3	Apr 10	204	4.00	90.00	1.1	FR	Heavy	moderate	4.00	0.00	4.00
E-4	E-4c_v	4	3	Apr 10	476	3.00	100.00	1.1	FR	Heavy	moderate	3.00	0.00	3.00
E-4	E-4d_v	4	3	Apr 10	68	3.50	75.00	0.5	FR	Heavy	moderate	3.50	0.00	3.50
E-4	E-4Ea_1	10	1	Apr 19	103	0.50	30.00	0.020	TB	Very Light	moderate	0.50	0.00	0.00
E-4	E-4Eb_1	10	1	Apr 19	90	2.00	47.50	0.370	TB;SR	Moderate	moderate	2.00	0.00	0.00
E-4	E-4Ec_2	10	2	Apr 22	253	1.00	16.00	0.050	SR;TB	Light	moderate	2.00	0.00	0.00
E-4	E-4Ed_2	10	2	Apr 22	241	1.00	16.00	0.050	TB	Light	moderate	1.00	0.00	0.00
E-4	E-4Ee_2	10	2	Apr 22	123	1.00	22.00	0.058	TB;SR	Light	moderate	1.00	0.00	0.00
E-4	E-4Ef_2	10	2	Apr 22	134	1.00	8.00	0.071	TB;SR	Very Light	light	1.00	0.00	0.00
E-4	E-4Eg_2	10	2	Apr 22	17	0.50	95.00	0.553	TB;SR	Moderate	moderate	0.50	0.00	0.00
E-4	E-4Eh_2	10	2	Apr 22	394	1.00	8.00	0.071	SR	Very Light	light	1.00	0.00	0.00
E-4	E-4Ei_2	10	2	Apr 22	683	1.00	1.50	0.004	SR	Very Light	light	1.00	0.00	0.00
E-4	E-4Ej_2	10	2	Apr 22	20	3.00	18.00	0.032	TB;SR	Light	moderate	3.00	0.00	0.00
E-4	E-4Ek_2	10	2	Apr 22	41	1.00	2.50	0.112	TB;SR	Light	light	1.00	0.00	0.00
E-4	E-4El_2	10	2	Apr 22	173	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-5	E-5aa	6	1	Apr 15	3226	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-5	E-5ab	6	1	Apr 15	129	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-5	E-5b	6	1	Apr 15	901	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-5	E-5c	10	1	Apr 15	410	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-5	E-5d_1	10	1	Apr 15	345	1.00	10.00	0.001	SR	Very Light	light	3.00	0.00	0.00
E-5	E-5d_2	10	1	Apr 15	706	1.00	10.00	0.001	SR	Very Light	light	1.00	0.00	0.00
E-5	E-5d1_v	4	3	Apr 10	149	3.00	51.00	0.5	FR	Heavy	moderate	3.00	0.00	3.00
E-5	E-5d2_v	4-10	3	Apr 10	138	1.00	50.00	0.5	FR	Moderate	moderate	1.00	0.00	0.50
E-5	E-5d3_v	4-6	3	Apr 10	64	1.50	51.00	0.5	FR	Heavy	moderate	1.50	0.00	1.50
E-5	E-5d4_v	6-1	3	Apr 10	29	1.00	50.00	0.5	FR	Moderate	moderate	1.00	1.00	0.00
E-5	E-5d5_v	1	3	Apr 10	307	0.50	50.00	0.05	FR	Light	moderate	1.00	1.00	0.00
E-5	E-5d6_v	4	3	Apr 10	472	1.50	51.00	0.5	FR	Heavy	moderate	1.50	0.00	1.50

0.00	0.00	201.88	0.00	0.00
0.00	154.04	0.00	0.00	0.00
0.00	0.00	805.45	0.00	0.00
0.00	0.00	546.00	0.00	0.00
0.00	0.00	229.56	0.00	0.00
0.00	0.00	232.31	0.00	0.00
0.00	0.00	431.46	0.00	0.00
		2876.82		
0.00	0.00	987.41	0.00	0.00
0.00	0.00	814.41	0.00	0.00
0.00	0.00	1426.93	0.00	0.00
0.00	0.00	237.38	0.00	0.00
0.50	0.00	0.00	51.50	515.00
2.00	0.00	0.00	180.00	450.00
2.00	0.00	0.00	506.00	1265.00
1.00	0.00	0.00	241.00	1205.00
1.00	0.00	0.00	123.00	615.00
1.00	0.00	0.00	134.00	0.00
0.50	0.00	0.00	8.50	85.00
1.00	0.00	0.00	394.00	0.00
1.00	0.00	0.00	683.00	0.00
3.00	0.00	0.00	60.00	100.00
1.00	0.00	0.00	41.00	0.00
0.00	0.00	0.00	0.00	0.00
		3466.14		
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	1033.82	0.00
1.00	0.00	0.00	706.45	0.00
0.00	0.00	448.50	0.00	0.00
0.50	0.00	69.24	69.24	692.42
0.00	0.00	95.26	0.00	0.00
0.00	29.16	0.00	0.00	0.00
0.00	306.56	0.00	0.00	0.00
0.00	0.00	707.91	0.00	0.00

E-5	E-5e_v	4	3	Apr 10	135	4.00	51.00	0.5	FR	Heavy	moderate	4.00	0.00	4.00
E-5	E-5f_v	1-4	3	Apr 10	309	1.00	51.00	0.5	FR	Heavy	moderate	1.00	0.00	1.00
E-6	E-6a	4	1	Apr 15	2593	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-7	E-7a	4	1	Apr 15	2428	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-7	E-7b	11	1	Apr 15	3397	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-7	E-7c_v	1	3	Apr 13	30	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7d_v	4-10	3	Apr 13	69	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7e_v	6	3	Apr 13	134	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7f_v	1	3	Apr 13	179	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7g_v	4	3	Apr 13	46	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7h_v	4-10	3	Apr 13	274	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-7	E-7i_v	10	3	Apr 13	197	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-8	E-8A	11	1	Apr 15	432	1.50	8.00	2.000	TB	Light	light	1.50	0.00	0.00
E-8	E-8Ba		1	Apr 15	5803	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-8	E-8Bb		1	Apr 15	894	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-8	E-8C_v	10-7	3	Apr 13	20	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-8	E-8D_v	10-7	3	Apr 13	2	1.00	80.00	0.500	FR	Heavy	moderate	1.00	0.00	0.00
E-8	E-8E_v	10-7	3	Apr 13	161	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
E-9	E-9A	2	1	Apr 15	70	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-9	E-9B	6	1	Apr 15	196	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-9	E-9D	9-10	1	Apr 15	241	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-9	E-9E	1	1	Apr 15	503	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
E-9	E-9F	2	1	Apr 15	559	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
NE-1	NE-1a	10	1	Apr 18	2652	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.00
NW-1	NW-1a	4-10	1	Apr 18	424	2.00	73.00	0.005	TB;SR	Light	light	2.00	0.00	1.00
NW-1	NW-1b	4	1	Apr 18	236	2.00	1.00	0.010	SR	Very Light	light	2.00	0.00	2.00
NW-1	NW-1c	4-10	1	Apr 18	278	1.00	51.50	0.006	TB;SR	Light	light	1.00	0.00	0.50
NW-1	NW-1d	4-10	1	Apr 18	456	1.00	29.00	0.090	TB;SR	Light	moderate	1.00	0.00	0.50
NW-1	NW-1e	4-10	1	Apr 18	620	1.00	51.00	0.001	SR	Light	light	1.00	0.00	0.50
NW-2	NW-2a	4-10	1	Apr 18	1413	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
NW-3	NW-3a	4-10	1	Apr 18	2883	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00

0.00	0.00	540.00	0.00	0.00
0.00	0.00	309.00	0.00	0.00
		2169.91		
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	648.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	2.04	10.21
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	2652.00	0.00
1.00	0.00	424.00	424.00	0.00
0.00	0.00	472.00	0.00	0.00
0.50	0.00	139.00	139.00	0.00
0.50	0.00	228.00	228.00	2280.00
0.50	0.00	310.00	310.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

W-1	W-1A	4	1	Apr 22	131	1.00	70.00	0.114	FR	Heavy	heavy	1.00	0.00	1.00
W-1	W-1AA	7	1	Apr 22	275	7.50	80.00	0.163	FR;SR	Heavy	heavy	7.50	0.00	0.00
W-1	W-1B	10	1	Apr 22	147	7.50	100.00	0.230	SR	Heavy	heavy	7.50	0.00	0.00
W-1	W-1BB	11	1	Apr 22	68	50.00	95.00	0.411	FR;SR	Heavy	heavy	50.00	0.00	0.00
W-1	W-1C	10-4	1	Apr 22	195	0.50	100.00	0.255	FR;SR	Moderate	heavy	0.50	0.00	0.25
W-1	W-1CC	10	1	Apr 22	42	5.00	65.00	0.465	FR	Heavy	heavy	5.00	0.00	0.00
W-1	W-1D	10	1	Apr 22	69	5.00	90.00	0.411	FR;SR	Heavy	heavy	5.00	0.00	0.00
W-1	W-1DD	11	1	Apr 22	130	200.00	100.00	0.510	FR;SR	Heavy	heavy	200.00	0.00	0.00
W-1	W-1E	4-10	1	Apr 22	19	1.00	40.00	0.030		Light	heavy	1.00	0.00	0.50
W-1	W-1EE	7	1	Apr 22	260	5.50	100.00	0.510	FR	Heavy	heavy	5.50	0.00	0.00
W-1	W-1F	11	1	Apr 22	100	7.50	90.00	0.411	FR;SR	Heavy	heavy	7.50	0.00	0.00
W-1	W-1FF	7	1	Apr 22	271	2.00	80.00	0.050	FR	Moderate	heavy	2.00	0.00	0.00
W-1	W-1G	10-3	1	Apr 22	52	3.00	100.00	1.100	FR	Heavy	heavy	3.00	0.00	1.50
W-1	W-1GG_v	7	3	Apr 12	492	2.00	80.00	0.050	FR	Moderate	heavy	2.00	0.00	0.00
W-1	W-1H	11	1	Apr 22	95	10.00	70.00	0.114	FR;SR	Heavy	heavy	10.00	0.00	0.00
W-1	W-1I	7	1	Apr 22	135	1.50	60.00	0.050		Moderate	heavy	1.50	0.00	0.00
W-1	W-1J	11	1	Apr 22	85	10.00	30.00	0.350	FR	Heavy	heavy	10.00	0.00	0.00
W-1	W-1K	4	1	Apr 22	73	0.50	0.50	0.050		Very Light	light	0.50	0.00	0.50
W-1	W-1L	10	1	Apr 22	98	3.00	20.00	0.163	FR	Moderate	heavy	3.00	0.00	0.00
W-1	W-1M	4	1	Apr 22	103	1.00	0.50	0.010		Very Light	light	1.00	0.00	1.00
W-1	W-1N	10	1	Apr 22	33	3.00	37.50	0.387	FR;SR	Moderate	heavy	3.00	0.00	0.00
W-1	W-1O	4	1	Apr 22	89	2.00	30.00	0.050	FR	Light	heavy	2.00	0.00	2.00
W-1	W-1P	7	1	Apr 22	71	4.00	60.00	0.101	SR	Heavy	heavy	4.00	0.00	0.00
W-1	W-1Q	7	1	Apr 22	306	1.00	15.00	0.010		Very Light	light	1.00	0.00	0.00
W-1	W-1R	7	1	Apr 22	136	1.00	5.00	0.010		Very Light	light	1.00	0.00	0.00
W-1	W-1S	7	1	Apr 22	1289	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-1	W-1T	7	1	Apr 22	1408	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-1	W-1U	7	1	Apr 22	902	1.50	0.50	0.050	SR	Very Light	light	1.50	0.00	0.00
W-1	W-1V	7	1	Apr 22	525	3.00	3.00	0.125	FR;SR	Light	light	3.00	0.00	0.00
W-1	W-1W	7	1	Apr 22	328	1.00	30.00	0.017		Light	heavy	1.00	0.00	0.00
W-1	W-1X	7	1	Apr 22	133	3.00	60.00	0.034		Moderate	heavy	3.00	0.00	0.00
W-1	W-1Y	7	1	Apr 22	281	6.50	80.00	0.625	FR;SR	Heavy	heavy	6.50	0.00	0.00
W-1	W-1Z	11	1	Apr 22	216	16.00	90.00	0.100	FR;TB	Moderate	heavy	16.00	0.00	0.00
W-10	W-10A_1	6	1	Apr 14	324	1.00	35.00	0.500	FR	Moderate	moderate	1.00	1.00	0.00
W-10	W-10B_1	7	1	Apr 14	251	1.00	5.00	0.500	FR	Light	light	2.00	0.00	0.00

0.00	0.00	131.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
7.50	0.00	0.00	1102.50	735.00
0.00	0.00	0.00	0.00	0.00
0.25	0.00	48.75	48.75	975.00
5.00	0.00	0.00	210.00	210.00
5.00	0.00	0.00	345.00	345.00
5.00	0.00	0.00	650.00	650.00
0.50	0.00	9.50	9.50	95.00
5.50	0.00	0.00	1430.00	1300.00
7.50	0.00	0.00	750.00	500.00
2.00	0.00	0.00	542.00	1355.00
1.50	0.00	78.00	78.00	260.00
2.00	0.00	0.00	983.33	2458.32
10.00	0.00	0.00	950.00	475.00
1.50	0.00	0.00	202.50	675.00
10.00	0.00	0.00	850.00	425.00
0.00	0.00	36.50	0.00	0.00
3.00	0.00	0.00	294.00	490.00
0.00	0.00	103.00	0.00	0.00
3.00	0.00	0.00	99.00	165.00
0.00	0.00	178.00	0.00	0.00
4.00	0.00	0.00	284.00	355.00
1.00	0.00	0.00	306.00	0.00
1.00	0.00	0.00	136.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	1353.00	0.00
3.00	0.00	0.00	1575.00	0.00
1.00	0.00	0.00	328.00	1640.00
3.00	0.00	0.00	399.00	665.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
		584.75		
0.00	324.00	0.00	0.00	0.00
2.00	0.00	0.00	502.00	0.00

W-10	W-10C_1	6	1	Apr 14	43	1.00	5.00	0.500	FR	Light	light	1.00	1.00	0.00
W-10	W-10D1_2	10-4	2	Apr 20	40	0.50	50.00	0.402	SR	Light	moderate	1.00	0.00	0.50
W-10	W-10D2_2	10-4	2	Apr 20	89	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-10	W-10D3_2	10	2	Apr 20	42	0.50	12.50	0.140	SR	Light	moderate	0.50	0.00	0.00
W-10	W-10E1_2	10	2	Apr 20	43	0.30	0.50	0.050		Very Light	light	0.50	0.00	0.00
W-10	W-10E2_2	10	2	Apr 20	42	0.30	15.00	0.023	TB	Very Light	moderate	0.50	0.00	0.00
W-10	W-10F1_2	7	2	Apr 20	65	4.00	65.00	0.085		Moderate	moderate	4.00	0.00	0.00
W-10	W-10G_1	7	1	Apr 14	118	1.00	35.00	0.500	FR	Moderate	moderate	1.00	0.00	0.00
W-10	W-10G1_2	10-4	2	Apr 20	18	1.00	16.00	0.078	TB	Light	moderate	1.00	0.00	0.50
W-10	W-10G3_2	7	2	Apr 20	11	3.00	65.00	0.085	FR;TB	Moderate	moderate	3.00	0.00	0.00
W-10	W-10H1_2	4	2	Apr 20	51	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-10	W-10H2_2	10-4	2	Apr 20	72	1.00	70.00	0.114	FR;TB	Heavy	moderate	1.00	0.00	0.50
W-10	W-10I_1	10-4	1	Apr 14	12	2.00	35.00	0.500	FR	Moderate	moderate	10.00	0.00	5.00
W-10	W-10J_1	7	1	Apr 14	174	1.00	5.00	0.500	FR	Light	light	2.00	0.00	0.00
W-10	W-10K1_2	10-2	2	Apr 20	78	2.00	40.00	0.050		Light	moderate	2.00	0.00	1.00
W-10	W-10K2_2	4	2	Apr 20	54	1.00	0.50	0.050	TB	Very Light	light	1.00	0.00	1.00
W-10	W-10L_1	7	1	Apr 14	243	1.00	5.00	0.500	FR	Light	light	1.00	0.00	0.00
W-10	W-10L1_2	10	2	Apr 20	60	3.00	5.00	0.500	FR	Light	light	3.00	0.00	0.00
W-10	W-10M1_2	7	2	Apr 20	289	1.00	5.00	0.050		Very Light	light	1.00	0.00	0.00
W-10	W-10N_1	7	1	Apr 14	57	1.00	5.00	0.500	FR	Light	light	2.00	0.00	0.00
W-10	W-10N1_2	4-7	2	Apr 20	15	2.00	20.00	0.050		Light	moderate	2.00	0.00	1.00
W-10	W-10N2_2	4	2	Apr 20	32	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-10	W-10O_1	7	1	Apr 14	414	1.00	5.00	0.500	FR	Light	light	1.00	0.00	0.00
W-10	W-10O1_2	10-4	2	Apr 20	16	2.00	10.00	0.050		Very Light	light	2.00	0.00	1.00
W-10	W-10O2_2	7	2	Apr 20	21	1.00	25.00	0.140	TB	Moderate	moderate	1.00	0.00	0.00
W-10	W-10O3_2	4-10	2	Apr 20	186	1.00	20.00	0.163	TB;FR	Moderate	moderate	1.00	0.00	0.50
W-10	W-10P1_2	4	2	Apr 20	509	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-10	W-10Q1_2	8	2	Apr 20	56	3.00	41.00	0.305	FR;SR	Moderate	moderate	3.00	0.00	0.00
W-10	W-10Q2_2	8	2	Apr 20	75	4.00	90.00	0.894	FR	Heavy	moderate	4.00	0.00	0.00
W-10	W-10Q3_2	8	2	Apr 20	136	4.00	10.00	0.050		Light	light	4.00	0.00	0.00
W-10	W-10Q4_2	8	2	Apr 20	25	6.00	90.00	0.350	FR;SR	Heavy	moderate	6.00	0.00	0.00
W-10	W-10Q5_2	8	2	Apr 20	213	3.50	5.00	0.275	FR	Moderate	light	3.50	0.00	0.00
W-11	W-11a_1	11-7	1	Apr 15	273	3.00	40.00	0.050	FR	Light	moderate	3.00	0.00	0.00
W-11	W-11b_1	11-7	1	Apr 15	120	1.00	5.00	0.010	FR	Very Light	light	1.00	0.00	0.00
W-11	W-11C_1	11-7	1	Apr 15	964	0.00	0.00	0.000		No Oil	No oil	0.50	0.00	0.00
W-11	W-11Ea_1	11-10-4	1	Apr 15	166	1.00	10.00	0.050		Very Light	light	1.00	0.00	0.50

0.00	43.00	0.00	0.00	0.00
0.50	0.00	20.00	20.00	200.00
0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	21.00	210.00
0.50	0.00	0.00	21.50	0.00
0.50	0.00	0.00	21.00	210.00
4.00	0.00	0.00	260.00	325.00
1.00	0.00	0.00	118.00	590.00
0.50	0.00	9.00	9.00	90.00
3.00	0.00	0.00	33.00	55.00
0.00	0.00	0.00	0.00	0.00
0.50	0.00	36.00	36.00	360.00
5.00	0.00	60.00	60.00	60.00
2.00	0.00	0.00	348.00	0.00
1.00	0.00	78.00	78.00	390.00
0.00	0.00	54.00	0.00	0.00
1.00	0.00	0.00	243.00	0.00
3.00	0.00	0.00	180.00	0.00
1.00	0.00	0.00	289.00	0.00
2.00	0.00	0.00	114.00	0.00
1.00	0.00	15.00	15.00	75.00
0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	414.00	0.00
1.00	0.00	16.00	16.00	0.00
1.00	0.00	0.00	21.00	105.00
0.50	0.00	93.00	93.00	930.00
0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	168.00	280.00
4.00	0.00	0.00	300.00	375.00
4.00	0.00	0.00	544.00	0.00
6.00	0.00	0.00	150.00	125.00
3.50	0.00	0.00	745.50	0.00
		381.00		
3.00	0.00	0.00	819.00	1365.00
1.00	0.00	0.00	120.00	0.00
0.00	0.00	0.00	0.00	0.00
0.50	0.00	83.00	83.00	0.00

W-11	W-11Eb_1	11-10-4	1	Apr 15	289	1.00	10.00	0.050		Very Light	light	1.00	0.00	0.50
W-11	W-11Ec_1	11-10-4	1	Apr 15	141	1.00	10.00	0.050		Very Light	light	1.00	0.00	0.50
W-11	W-11G_2	7	2	Apr 24	83	1.00	0.50	0.050		Very Light	light	1.00	0.00	0.00
W-11	W-11H_2	7	2	Apr 24	599	0.50	0.50	0.500	TB	Light	light	1.00	0.00	0.00
W-11	W-11I_2	4-10	2	Apr 24	52	0.75	10.00	0.275	TB	Light	light	1.00	0.00	0.38
W-11	W-11J_2	4-10	2	Apr 24	26	2.00	22.00	0.091	SR	Light	moderate	2.00	0.00	1.00
W-11	W-11L_2	7	2	Apr 24	119	0.50	0.05	0.050		Very Light	light	1.00	0.00	0.00
W-11	W-11M_2	7-10	2	Apr 24	164	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-11	W-11N_2	10-4	2	Apr 24	79	1.00	3.00	0.200	TB	Light	light	1.00	0.00	0.50
W-11	W-11O_2	10	2	Apr 24	295	1.00	0.10	0.050	TB	Very Light	light	1.00	0.00	0.00
W-11	W-11Q_2	10-4-5	2	Apr 24	83	1.00	0.05	0.500	TB	Light	light	1.00	0.00	0.50
W-11	W-11R_2	1-6	2	Apr 24	145	1.00	0.05	0.050		Very Light	light	1.00	1.00	0.00
W-11	W-11T_2	6-1	2	Apr 24	204	1.00	1.00	0.275	TB	Light	light	1.00	1.00	0.00
W-11	W-11U_2	4	2	Apr 24	62	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-11	W-11V_2	5-10	2	Apr 24	135	1.25	2.00	0.140	TB;SR	Light	light	1.25	0.00	0.63
W-11	W-11W_2	1	2	Apr 24	126	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-11	W-11X_2	4	2	Apr 24	57	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-11	W-11Y_2	2	2	Apr 24	50	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-12	W-12A	6	1	Apr 24	89	0.50	1.00	0.275	TB;SR	Light	light	0.50	0.50	0.00
W-12	W-12B	10	1	Apr 24	103	1.00	1.00	0.030	SR	Very Light	light	1.00	0.00	0.00
W-12	W-12C	1-6	1	Apr 24	312	0.50	1.50	0.187	TB;SR	Light	light	0.50	0.50	0.00
W-12	W-12D	4	1	Apr 24	226	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-12	W-12E	10	1	Apr 24	148	2.00	1.50	0.187	TB;SR	Light	light	2.00	0.00	0.00
W-12	W-12F	2	1	Apr 24	123	0.25	0.00	0.000		No Oil	No oil	0.25	0.00	0.25
W-12	W-12G	1-6	1	Apr 24	277	0.50	1.00	0.275	TB;SR	Light	light	0.50	0.50	0.00
W-13	W-13A	6	1	Apr 20	288	1.00	0.50	0.500	TB	Light	light	1.00	1.00	0.00
W-13	W-13B	10	1	Apr 20	321	1.00	0.50	0.500	TB	Light	light	1.00	0.00	0.00
W-13	W-13C	1	1	Apr 20	87	0.25	0.50	0.010	SR	Very Light	light	0.25	0.25	0.00
W-13	W-13D	1-2	1	Apr 20	119	0.50	2.00	0.275	TB	Light	light	0.50	0.00	0.50
W-13	W-13E	10-4	1	Apr 20	60	1.00	1.50	0.187	TB;SR	Light	light	1.00	0.00	0.50
W-13	W-13F	1	1	Apr 20	120	0.25	0.50	0.050	SR	Very Light	light	0.25	0.25	0.00
W-13	W-13G	4	1	Apr 20	193	1.00	1.50	0.187	TB;SR	Light	light	1.00	0.00	1.00
W-13	W-13H	6	1	Apr 20	27	0.50	0.50	0.010		Very Light	light	0.50	0.50	0.00
W-13	W-13I	4	1	Apr 20	19	0.00	0.00	0.000	TB	No Oil	No oil	0.00	0.00	0.00
W-13	W-13J	1	1	Apr 20	674	0.25	0.50	0.010	SR	Very Light	light	0.25	0.25	0.00

0.50	0.00	144.50	144.50	0.00
0.50	0.00	70.50	70.50	0.00
1.00	0.00	0.00	83.00	0.00
1.00	0.00	0.00	599.00	0.00
0.38	0.00	19.50	19.50	0.00
1.00	0.00	26.00	26.00	130.00
1.00	0.00	0.00	119.00	0.00
0.00	0.00	0.00	0.00	0.00
0.50	0.00	39.50	39.50	0.00
1.00	0.00	0.00	295.00	0.00
0.50	0.00	41.50	41.50	0.00
0.00	145.00	0.00	0.00	0.00
0.00	204.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.63	0.00	84.38	84.38	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
		508.88		
0.00	44.50	0.00	0.00	0.00
1.00	0.00	0.00	103.00	0.00
0.00	156.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	296.00	0.00
0.00	0.00	30.75	0.00	0.00
0.00	138.50	0.00	0.00	0.00
		30.75		
0.00	288.00	0.00	0.00	0.00
1.00	0.00	0.00	321.00	0.00
0.00	21.75	0.00	0.00	0.00
0.00	0.00	59.50	0.00	0.00
0.50	0.00	30.00	30.00	0.00
0.00	30.00	0.00	0.00	0.00
0.00	0.00	193.00	0.00	0.00
0.00	13.50	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	168.50	0.00	0.00	0.00

W-13	W-13Ka	4	1	Apr 20	261	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-13	W-13Kb	4	1	Apr 20	79	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-13	W-13L	4	1	Apr 20	201	1.00	1.00	0.275	TB	Light	light	1.00	0.00	1.00
W-13	W-13M	10	1	Apr 20	53	1.00	1.00	0.275	SR	Light	light	1.00	0.00	0.00
W-13	W-13N	4	1	Apr 20	24	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-13	W-13O	1	1	Apr 20	128	1.00	3.00	0.187	TB	Light	light	1.00	1.00	0.00
W-13	W-13P	1	1	Apr 20	266	0.00	0.00	0.000	No	No Oil	No oil	0.00	0.00	0.00
W-13	W-13Q	6	2	Apr 24	106	1.00	1.50	0.187	TB;SR	Light	light	1.00	1.00	0.00
W-13	W-13R	4	1	Apr 24	83	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-13	W-13S	6	1	Apr 24	90	1.00	1.50	0.187	TB;SR	Light	light	1.00	1.00	0.00
W-13	W-13T	1	1	Apr 24	66	0.25	1.50	0.187	TB	Light	light	0.25	0.25	0.00
W-13	W-13U	6	1	Apr 24	100	0.50	1.00	0.275	TB	Light	light	0.50	0.50	0.00
W-13	W-13V	4	1	Apr 24	142	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-13	W-13W	10	1	Apr 24	152	1.00	1.00	0.030	SR	Very Light	light	1.00	0.00	0.00
W-13	W-13X	4	1	Apr 24	585	0.50	2.00	0.275	TB;SR	Light	light	0.50	0.00	0.50
W-13	W-13Y	10	1	Apr 24	185	1.00	1.00	0.275	TB;SR	Light	light	1.00	0.00	0.00
W-14	W-14A	1-4	1	Apr 20	271	2.00	1.50	0.020	TB;SR	Very Light	light	2.00	0.00	2.00
W-14	W-14B	1-4	1	Apr 20	156	1.00	6.00	0.425	TB;SR	Light	light	1.00	0.00	1.00
W-14	W-14C	6	1	Apr 20	54	3.00	41.00	0.415	TB;SR	Moderate	moderate	3.00	3.00	0.00
W-14	W-14D	10	1	Apr 20	231	0.50	30.00	0.200	TB	Light	moderate	0.50	0.00	0.00
W-14	W-14E-v	10-4	3	Apr 13	58	1.00	10.00	0.500	FR	Light	light	1.00	0.00	0.50
W-14	W-14F-v	4	3	Apr 13	194	1.00	15.00	0.050	SR	Light	moderate	1.00	0.00	1.00
W-14	W-14G-v	4	3	Apr 13	201	3.00	20.00	0.050	SR	Light	moderate	3.00	0.00	3.00
W-14	W-14H-v	10-4	3	Apr 13	23	2.00	20.00	0.050	SR	Light	moderate	2.00	0.00	1.00
W-14	W-14I-v	4	3	Apr 13	221	3.00	25.00	0.050	SR	Light	moderate	3.00	0.00	3.00
W-15	W-15a	2	1	Apr 16	70	1.00	10.00	0.500	TB	Light	light	1.00	0.00	1.00
W-15	W-15b	2	1	Apr 16	293	3.00	15.00	0.500	AP	Moderate	moderate	3.00	0.00	3.00
W-15	W-15c	2	1	Apr 16	258	2.00	0.50	0.050	TB	Very Light	light	2.00	0.00	2.00
W-15	W-15d	2	1	Apr 16	77	2.00	15.00	0.500	TB	Moderate	moderate	2.00	0.00	2.00
W-15	W-15e	2	1	Apr 16	240	2.00	0.50	0.050	TB	Very Light	light	2.00	0.00	2.00
W-15	W-15g	6	1	Apr 16	116	2.00	0.05	0.050	TB	Very Light	light	2.00	2.00	0.00
W-15	W-15h	6	1	Apr 16	43	2.00	50.00	0.500	FR	Moderate	moderate	2.00	2.00	0.00
W-15	W-15i	6	1	Apr 16	223	1.00	10.00	0.500	TB	Light	light	1.00	1.00	0.00
W-15	W-15j	6	1	Apr 16	315	1.00	0.50	0.050	TB	Very Light	light	1.00	1.00	0.00
W-15	W-15k	6	1	Apr 16	32	1.50	10.00	0.500	TB	Light	light	1.50	1.50	0.00

0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	201.00	0.00	0.00
1.00	0.00	0.00	53.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	128.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	106.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	90.00	0.00	0.00	0.00
0.00	16.50	0.00	0.00	0.00
0.00	50.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	152.00	0.00
0.00	0.00	292.50	0.00	0.00
1.00	0.00	0.00	185.00	0.00
		776.00		
0.00	0.00	542.00	0.00	0.00
0.00	0.00	156.00	0.00	0.00
0.00	162.00	0.00	0.00	0.00
0.50	0.00	0.00	115.50	1155.00
0.50	0.00	29.24	29.24	0.00
0.00	0.00	193.64	0.00	0.00
0.00	0.00	604.08	0.00	0.00
1.00	0.00	22.82	22.82	114.08
0.00	0.00	662.17	0.00	0.00
		2209.95		
0.00	0.00	70.00	0.00	0.00
0.00	0.00	879.00	0.00	0.00
0.00	0.00	516.00	0.00	0.00
0.00	0.00	154.00	0.00	0.00
0.00	0.00	480.00	0.00	0.00
0.00	232.00	0.00	0.00	0.00
0.00	86.00	0.00	0.00	0.00
0.00	223.00	0.00	0.00	0.00
0.00	315.00	0.00	0.00	0.00
0.00	48.00	0.00	0.00	0.00

W-15	W-15l	6	1	Apr 16	273	1.00	0.50	0.050	TB	Very Light	light	1.00	1.00	0.00
W-15	W-15m	2	1	Apr 16	71	1.00	0.50	0.050	TB	Very Light	light	1.00	0.00	1.00
W-15	W-15n	2	1	Apr 16	314	1.00	15.00	0.500	TB	Moderate	moderate	1.00	0.00	1.00
W-15	W-15o	2	1	Apr 16	51	2.00	90.00	1.500	FR	Heavy	moderate	2.00	0.00	2.00
W-15	W-15p	2	1	Apr 16	61	2.00	0.50	0.500	TB	Light	light	2.00	0.00	2.00
W-15	W-15q	6	1	Apr 16	70	1.00	0.50	0.050	TB	Very Light	light	1.00	1.00	0.00
W-15	W-15r	2	1	Apr 16	71	1.00	0.50	0.050	TB	Very Light	light	1.00	0.00	1.00
W-15	W-15s	6	1	Apr 16	54	1.00	0.50	0.050	TB	Very Light	light	1.00	1.00	0.00
W-15	W-15t_v	6	3	Apr 16	33	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
W-15	W-15u_v	2	3	Apr 16	174	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
W-15	W-15v_v	2-6	3	Apr 16	176	0.00	0.00	0.000	NO	No Oil	No oil	0.00	0.00	0.00
W-16	W-16a		1	Apr 18	1541	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-16	W-16b		1	Apr 18	496	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-17	W-17		1	Apr 18	3087	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-18	W-18		1	Apr 18	7223	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19a	4	1	Apr 17	248	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
W-19	W-19b	4-10-1-6	1	Apr 17	673	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
W-19	W-19c	4	1	Apr 17	36	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
W-19	W-19d	1	1	Apr 17	26	1.00	0.00	0.000		No Oil	No oil	1.00	1.00	0.00
W-19	W-19e	4	1	Apr 17	30	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	1.00
W-19	W-19f		1	Apr 17	1143	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19g		1	Apr 17	1308	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19h		1	Apr 17	259	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19i		1	Apr 17	989	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19j		1	Apr 17	172	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-19	W-19k		1	Apr 17	171	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-2	W-2a1	4	1	Apr 16	56	1.00	5.00	0.500	TB	Light	light	1.00	0.00	1.00
W-2	W-2a2	10	1	Apr 16	47	1.50	20.00	0.050	FR	Light	moderate	1.50	0.00	0.00
W-2	W-2b	4	1	Apr 16	167	2.50	65.00	0.050	FR	Moderate	moderate	2.50	0.00	2.50
W-2	W-2bb	10-6	1	Apr 16	83	0.50	35.00	0.050	FR	Very Light	moderate	0.50	0.00	0.00
W-2	W-2c	4-6-10	1	Apr 16	126	2.00	35.00	0.500	FR	Moderate	moderate	2.00	0.00	1.00
W-2	W-2cc	10	1	Apr 16	141	0.50	35.00	0.050	FR	Very Light	moderate	0.50	0.00	0.00

0.00	273.00	0.00	0.00	0.00
0.00	0.00	71.00	0.00	0.00
0.00	0.00	314.00	0.00	0.00
0.00	0.00	102.00	0.00	0.00
0.00	0.00	122.00	0.00	0.00
0.00	70.00	0.00	0.00	0.00
0.00	0.00	71.00	0.00	0.00
0.00	54.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
		2779.00		
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	248.00	0.00	0.00
0.50	0.00	336.50	336.50	0.00
0.00	0.00	36.00	0.00	0.00
0.00	26.00	0.00	0.00	0.00
0.00	0.00	30.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
		650.50		
0.00	0.00	56.00	0.00	0.00
1.50	0.00	0.00	70.50	235.00
0.00	0.00	417.50	0.00	0.00
0.50	0.00	0.00	41.50	415.00
1.00	0.00	126.00	126.00	630.00
0.50	0.00	0.00	70.50	705.00

W-2	W-2d	4-10	1	Apr 16	107	3.00	35.00	0.050	FR	Light	moderate	3.00	0.00	1.50
W-2	W-2dd	4	1	Apr 16	54	1.00	0.50	0.010	FR	Very Light	light	1.00	0.00	1.00
W-2	W-2e	1-6	1	Apr 16	28	0.50	5.00	0.050	TB	Very Light	light	0.50	0.50	0.00
W-2	W-2f	10	1	Apr 16	90	0.50	65.00	0.500	FR	Moderate	moderate	0.50	0.00	0.00
W-2	W-2g	4-10	1	Apr 16	100	4.00	5.00	0.050	FR	Light	light	4.00	0.00	2.00
W-2	W-2h	10	1	Apr 16	108	0.50	35.00	0.050	FR	Very Light	moderate	0.50	0.00	0.00
W-2	W-2i	4-10	1	Apr 16	106	2.00	35.00	0.050	FR	Light	moderate	2.00	0.00	1.00
W-2	W-2j	10	1	Apr 16	66	1.00	65.00	0.050	TB	Moderate	moderate	1.00	0.00	0.00
W-2	W-2k	4	1	Apr 16	17	1.00	65.00	0.050	TB	Moderate	moderate	1.00	0.00	1.00
W-2	W-2l	6	1	Apr 16	64	0.50	5.00	0.500	TB	Light	light	0.50	0.50	0.00
W-2	W-2m	6	1	Apr 16	91	0.50	5.00	0.500	TB	Light	light	0.50	0.50	0.00
W-2	W-2n	4-10	1	Apr 16	191	1.00	5.00	0.500	TB	Light	light	1.00	0.00	0.50
W-2	W-2o	10	1	Apr 16	79	0.50	5.00	0.001	TB	Very Light	light	0.50	0.00	0.00
W-2	W-2p	10	1	Apr 16	95	0.50	0.50	0.001	TB	Very Light	light	0.50	0.00	0.00
W-2	W-2q	10	1	Apr 16	135	0.50	65.00	0.001	TB	Very Light	light	0.50	0.00	0.00
W-2	W-2r	10	1	Apr 16	470	1.00	95.00	0.500	FR	Heavy	heavy	1.00	0.00	0.00
W-2	W-2s	10	1	Apr 16	179	1.00	65.00	0.500	FR	Heavy	heavy	1.00	0.00	0.00
W-2	W-2t	8-11	1	Apr 16	240	1.50	95.00	0.500	FR	Heavy	heavy	1.50	0.00	0.00
W-2	W-2u	11	1	Apr 16	229	2.50	35.00	0.500	FR	Moderate	heavy	2.50	0.00	0.00
W-2	W-2v	11	1	Apr 16	89	3.50	95.00	0.500	FR	Heavy	heavy	3.50	0.00	0.00
W-20	W-20A	4	2	Apr 21	571	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-20	W-20B	10	2	Apr 21	87	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-20	W-20C	4	2	Apr 21	278	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-20	W-20D	10	2	Apr 21	125	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-20	W-20E	1	2	Apr 21	2081	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-20	W-20F	4	2	Apr 21	313	0.00	0.00	0.000		No Oil	No oil	0.00	0.00	0.00
W-3	W-3a	10-4	1	Apr 17	94	2.50	10.00	0.500	TB	Light	light	2.50	0.00	1.25
W-3	W-3AA_v	4-10	3	Apr 12	407	2.00	35.00	0.050	FR	Light	heavy	2.00	0.00	1.00
W-3	W-3b	10-4	1	Apr 17	64	3.00	25.00	0.140	TB	Moderate	moderate	3.00	0.00	1.50
W-3	W-3BB_v	10	3	Apr 12	22	1.00	35.00	0.050	FR	Light	heavy	1.00	0.00	0.00
W-3	W-3c	10-4	1	Apr 17	59	4.00	60.00	0.200	TB	Heavy	moderate	4.00	0.00	2.00
W-3	W-3CC_v	4-10	3	Apr 12	80	1.00	35.00	0.050	FR	Light	heavy	1.00	0.00	0.50
W-3	W-3d	4	1	Apr 17	43	0.50	4.00	0.388	TB	Light	light	0.50	0.00	0.50
W-3	W-3DD_v	10	3	Apr 12	32	1.00	35.00	0.050	FR	Light	heavy	1.00	0.00	0.00
W-3	W-3e	10-4	1	Apr 17	18	5.00	50.00	0.320	SR	Heavy	moderate	5.00	0.00	2.50

1.50	0.00	160.50	160.50	535.00
0.00	0.00	54.00	0.00	0.00
0.00	14.00	0.00	0.00	0.00
0.50	0.00	0.00	45.00	450.00
2.00	0.00	200.00	200.00	0.00
0.50	0.00	0.00	54.00	540.00
1.00	0.00	106.00	106.00	530.00
1.00	0.00	0.00	66.00	330.00
0.00	0.00	17.00	0.00	0.00
0.00	32.00	0.00	0.00	0.00
0.00	45.50	0.00	0.00	0.00
0.50	0.00	95.50	95.50	0.00
0.50	0.00	0.00	39.50	0.00
0.50	0.00	0.00	47.50	0.00
0.50	0.00	0.00	67.50	0.00
1.00	0.00	0.00	470.00	2350.00
1.00	0.00	0.00	179.00	895.00
1.50	0.00	0.00	360.00	1200.00
2.50	0.00	0.00	572.50	1145.00
3.50	0.00	0.00	311.50	445.00
		1232.50		
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
1.25	0.00	117.50	117.50	0.00
1.00	0.00	406.75	406.75	2033.75
1.50	0.00	96.00	96.00	320.00
1.00	0.00	0.00	22.38	111.89
2.00	0.00	118.00	118.00	295.00
0.50	0.00	40.16	40.16	401.59
0.00	0.00	21.50	0.00	0.00
1.00	0.00	0.00	32.30	161.49
2.50	0.00	45.00	45.00	90.00

W-3	W-3EE_v	4-10	3	Apr 12	201	3.00	35.00	0.050	FR	Light	heavy	3.00	0.00	1.50
W-3	W-3f	4	1	Apr 17	45	0.50	25.00	0.140	TB	Light	moderate	0.50	0.00	0.50
W-3	W-3FF_v	4-10	3	Apr 12	77	3.00	65.00	0.500	FR	Heavy	heavy	3.00	0.00	1.50
W-3	W-3g	10-4	1	Apr 17	15	4.00	32.00	0.281	SR;FR	Heavy	moderate	4.00	0.00	2.00
W-3	W-3GG_v	10	3	Apr 12	76	3.00	65.00	0.500	FR	Heavy	heavy	3.00	0.00	0.00
W-3	W-3h	4	1	Apr 17	45	0.50	2.00	0.050	SR	Very Light	light	0.50	0.00	0.50
W-3	W-3HH_v	4-10	3	Apr 12	295	4.00	35.00	0.050	FR	Moderate	heavy	4.00	0.00	2.00
W-3	W-3i	4	1	Apr 17	53	0.50	3.00	0.125	TB	Light	light	0.50	0.00	0.50
W-3	W-3j	4	1	Apr 17	121	1.00	35.00	0.114	TB	Moderate	moderate	1.00	0.00	1.00
W-3	W-3k	4	1	Apr 17	59	1.00	17.00	0.235	TB;SR	Moderate	moderate	1.00	0.00	1.00
W-3	W-3l	10	1	Apr 17	134	2.00	85.00	0.182	TB;SR	Heavy	moderate	2.00	0.00	0.00
W-3	W-3m	4	1	Apr 17	33	0.50	5.00	0.500	TB	Light	light	0.50	0.00	0.50
W-3	W-3n	4-10	1	Apr 17	58	1.00	35.00	0.500	TB	Moderate	moderate	1.00	0.00	0.50
W-3	W-3o	4	1	Apr 17	450	0.50	22.50	0.500	TB;SR	Light	moderate	0.50	0.00	0.50
W-3	W-3p	4-10	1	Apr 17	114	1.00	30.00	0.200	TB;DB;FR	Moderate	moderate	1.00	0.00	0.50
W-3	W-3q	4	1	Apr 17	34	3.00	1.00	0.500	TB	Light	light	3.00	0.00	3.00
W-3	W-3r	10	1	Apr 17	263	1.00	72.00	0.035	TB;FR	Moderate	moderate	1.00	0.00	0.00
W-3	W-3s	10-4	1	Apr 17	148	1.00	10.00	0.275	DB	Light	light	1.00	0.00	0.50
W-4	W-4a_1	4-10	1	Apr 14	225	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
W-4	W-4b_1	4-10	1	Apr 14	98	1.00	5.00	0.050	SR	Very Light	light	1.00	0.00	0.50
W-4	W-4c_2	10	1	Apr 17	376	0.50	30.00	0.001	SR	Very Light	light	1.00	0.00	0.00
W-4	W-4Ca_1	4-10	1	Apr 14	754	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
W-4	W-4Cb_1	4-10	1	Apr 14	327	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
W-4	W-4d_2	10-4	1	Apr 17	111	1.00	15.00	0.050	FR	Light	moderate	1.00	0.00	0.50
W-4	W-4e_1	4-10	1	Apr 14	1630	1.00	0.00	0.000		No Oil	No oil	4.00	0.00	2.00
W-4	W-4e_2	4-10	2	Apr 18	272	4.00	60.00	0.200	SR	Heavy	moderate	4.00	0.00	2.00
W-4	W-4f_1	4-10	1	Apr 14	2798	1.00	0.00	0.000		No Oil	No oil	1.00	0.00	0.50
W-4	W-4g_1	4-10	1	Apr 14	79	1.00	5.00	0.050	SR	Very Light	light	1.00	0.00	0.50
W-5	W-5a	10	1	Apr 14	230	1.50	5.00	0.010	FR	Very Light	light	1.50	0.00	0.00
W-5	W-5aa	10	1	Apr 14	55	2.50	95.00	1.500	FR	Heavy	moderate	2.50	0.00	0.00
W-5	W-5b	10	1	Apr 14	578	1.50	65.00	0.500	FR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5bb	10	1	Apr 14	100	3.50	35.00	1.500	FR	Heavy	moderate	3.50	0.00	0.00
W-5	W-5c	10	1	Apr 14	95	1.50	95.00	0.500	FR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5cc	10	1	Apr 14	73	3.00	95.00	1.500	FR	Heavy	moderate	3.00	0.00	0.00
W-5	W-5d	10	1	Apr 14	294	1.50	35.00	0.500	FR	Moderate	moderate	1.50	0.00	0.00

1.50	0.00	302.18	302.18	1007.27
0.00	0.00	22.50	0.00	0.00
1.50	0.00	114.99	114.99	383.30
2.00	0.00	30.00	30.00	75.00
3.00	0.00	0.00	226.70	377.84
0.00	0.00	22.50	0.00	0.00
2.00	0.00	590.25	590.25	1475.62
0.00	0.00	26.50	0.00	0.00
0.00	0.00	121.00	0.00	0.00
0.00	0.00	59.00	0.00	0.00
2.00	0.00	0.00	268.00	670.00
0.00	0.00	16.50	0.00	0.00
0.50	0.00	29.00	29.00	290.00
0.00	0.00	225.00	0.00	0.00
0.50	0.00	57.00	57.00	570.00
0.00	0.00	102.00	0.00	0.00
1.00	0.00	0.00	263.00	1315.00
0.50	0.00	74.00	74.00	0.00
		2637.33		
0.50	0.00	112.50	112.50	0.00
0.50	0.00	49.00	49.00	0.00
1.00	0.00	0.00	376.00	0.00
0.50	0.00	377.00	377.00	0.00
0.50	0.00	163.50	163.50	0.00
0.50	0.00	55.50	55.50	555.00
2.00	0.00	3260.00	3260.00	0.00
2.00	0.00	544.00	544.00	1360.00
0.50	0.00	1399.00	1399.00	0.00
0.50	0.00	39.50	39.50	0.00
		6000.00		
1.50	0.00	0.00	345.00	0.00
2.50	0.00	0.00	137.50	275.00
1.50	0.00	0.00	867.00	2890.00
3.50	0.00	0.00	350.00	500.00
1.50	0.00	0.00	142.50	475.00
3.00	0.00	0.00	219.00	365.00
1.50	0.00	0.00	441.00	1470.00

W-5	W-5dd	10	1	Apr 14	421	1.00	95.00	1.500	FR	Heavy	moderate	1.00	0.00	0.00
W-5	W-5e	10	1	Apr 14	145	1.50	95.00	1.500	SR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5ee	10	1	Apr 14	112	3.00	5.00	0.010	SR	Very Light	light	3.00	0.00	0.00
W-5	W-5f	10	1	Apr 14	684	1.50	5.00	0.500	FR	Light	light	1.50	0.00	0.00
W-5	W-5g	10	1	Apr 14	699	1.50	35.00	0.500	FR	Moderate	moderate	1.50	0.00	0.00
W-5	W-5h	10	1	Apr 14	403	1.50	5.00	0.500	FR	Light	light	1.50	0.00	0.00
W-5	W-5i	10	1	Apr 14	436	1.50	65.00	1.500	FR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5j	10	1	Apr 14	634	1.50	65.00	0.500	FR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5k	10	1	Apr 14	420	1.50	95.00	1.500	FR	Heavy	moderate	1.50	0.00	0.00
W-5	W-5L	10	1	Apr 13	234	6.00	55.00	0.264	FR	Heavy	moderate	6.00	0.00	0.00
W-5	W-5M	10-3	1	Apr 13	69	4.00	45.50	0.115	FR	Heavy	moderate	4.00	0.00	2.00
W-5	W-5N	3-1	1	Apr 13	36	3.00	40.00	0.050	FR	Light	moderate	3.00	0.00	3.00
W-5	W-5O	6-3	1	Apr 13	111	2.50	30.00	0.200	FR	Moderate	moderate	2.50	0.00	2.50
W-5	W-5P	1	1	Apr 13	70	0.50	70.00	0.050	FR	Light	moderate	0.50	0.50	0.00
W-5	W-5Q	3-10	1	Apr 13	49	3.00	50.00	0.050	FR	Light	moderate	3.00	0.00	1.50
W-5	W-5R	3-10	1	Apr 13	49	2.50	30.00	0.050	FR	Light	moderate	2.50	0.00	1.25
W-5	W-5S	3-10	1	Apr 13	84	3.00	50.00	0.050	FR	Light	moderate	3.00	0.00	1.50
W-5	W-5T	3-6	1	Apr 13	148	3.00	40.00	0.050	FR	Light	moderate	3.00	0.00	3.00
W-6	W-6a_1	1-6-10	1	Apr 15	382	2.00	40.00	0.500	FR	Moderate	moderate	2.00	0.00	0.00
W-6	W-6A1_2	1-6-10	2	Apr 20	22	1.50	100.00	0.353		Heavy	moderate	1.50	0.00	0.00
W-6	W-6b_1	4-10	1	Apr 15	550	2.50	30.00	0.010	FR	Very Light	light	2.50	0.00	1.25
W-6	W-6B3_2	1-4-10	2	Apr 20	17	0.20	30.00	0.010		Very Light	light	2.50	0.00	1.25
W-6	W-6c_1	1-4	1	Apr 15	1048	2.50	75.00	1.500	FR	Heavy	moderate	2.50	0.00	2.50
W-7	W-7a_1	6-1	1	Apr 14	46	1.50	65.00	0.500	SR	Heavy	moderate	2.00	2.00	0.00
W-7	W-7b_1	6-1	1	Apr 14	49	1.50	35.00	0.050	SR	Light	moderate	2.00	2.00	0.00
W-7	W-7B_2	1	2	Apr 24	43	3.00	0.50	0.010	SR	Very Light	light	3.00	3.00	0.00
W-7	W-7c_1	6-1-10	1	Apr 14	16	1.50	5.00	0.050	SR	Very Light	light	2.00	0.00	0.00
W-7	W-7C_2	1	2	Apr 24	33	3.00	10.00	0.010		Very Light	light	3.00	3.00	0.00
W-7	W-7D_2	10	2	Apr 24	771	5.00	6.00	0.168	TB	Moderate	light	5.00	0.00	0.00
W-7	W-7E_2	6	2	Apr 24	14	1.00	20.00	0.050	TB	Light	moderate	1.50	1.50	0.00
W-7	W-7F_2	10	2	Apr 24	37	1.00	1.00	0.050	TB	Very Light	light	1.50	0.00	0.00
W-7	W-7G_2	10	2	Apr 24	230	4.00	43.00	1.399		Heavy	moderate	4.00	0.00	0.00
W-7	W-7h_1	10-7	1	Apr 14	137	1.50	95.00	1.500	FR	Heavy	moderate	5.00	0.00	0.00
W-7	W-7H_2	7	2	Apr 24	137	5.00	50.50	0.510		Heavy	moderate	5.00	0.00	0.00
W-7	W-7I_2	7	2	Apr 24	1041	0.50	5.50	0.01363	TB	Very Light	light	1.50	0.00	0.00

1.00	0.00	0.00	421.00	2105.00
1.50	0.00	0.00	217.50	725.00
3.00	0.00	0.00	336.00	0.00
1.50	0.00	0.00	1026.00	0.00
1.50	0.00	0.00	1048.50	3495.00
1.50	0.00	0.00	604.50	0.00
1.50	0.00	0.00	654.00	2180.00
1.50	0.00	0.00	951.00	3170.00
1.50	0.00	0.00	630.00	2100.00
6.00	0.00	0.00	1404.00	1170.00
2.00	0.00	138.00	138.00	345.00
0.00	0.00	108.00	0.00	0.00
0.00	0.00	277.50	0.00	0.00
0.00	35.00	0.00	0.00	0.00
1.50	0.00	73.50	73.50	245.00
1.25	0.00	61.25	61.25	245.00
1.50	0.00	126.00	126.00	420.00
0.00	0.00	444.00	0.00	0.00
		1228.25		
2.00	0.00	0.00	764.00	1910.00
1.50	0.00	0.00	33.00	110.00
1.25	0.00	687.50	687.50	0.00
1.25	0.00	21.25	21.25	0.00
0.00	0.00	2620.00	0.00	0.00
		3328.75		
0.00	92.00	0.00	0.00	0.00
0.00	98.00	0.00	0.00	0.00
0.00	129.00	0.00	0.00	0.00
2.00	0.00	0.00	32.00	0.00
0.00	99.00	0.00	0.00	0.00
5.00	0.00	0.00	3855.00	0.00
0.00	21.00	0.00	0.00	0.00
1.50	0.00	0.00	55.50	0.00
4.00	0.00	0.00	920.00	1150.00
5.00	0.00	0.00	685.00	685.00
5.00	0.00	0.00	685.00	685.00
1.50	0.00	0.00	1561.50	0.00

W-7	W-7j_1	10-4-7	1	Apr 14	849	1.50	35.00	0.050	FR	Light	moderate	3.00	0.00	1.50
W-7	W-7J_2	10	2	Apr 24	336	5.00	3.00	0.01666	TB;MS	Light	light	5.00	0.00	0.00
W-7	W-7k_1	6	1	Apr 14	45	1.50	5.00	0.050	SR	Very Light	light	1.50	1.50	0.00
W-7	W-7l_1	2-10	2	Apr 14	623	3.50	80.00	0.644	AP;FR	Heavy	moderate	4.00	0.00	2.00
W-7	W-7m_1	4	1	Apr 14	285	1.50	5.00	0.050	SR	Very Light	light	4.00	0.00	2.00
W-7	W-7n_1	4-7-10	1	Apr 14	29	1.50	65.00	0.050	SR	Moderate	moderate	3.00	0.00	1.50
W-7	W-7N_2	6	2	Apr 24	25	2.00	2.00	0.755		Light	light	2.00	2.00	0.00
W-7	W-7o_1	4	1	Apr 14	146	1.50	5.00	0.500	SR	Light	light	1.50	0.00	1.50
W-7	W-7p_1	7-10	1	Apr 14	652	1.50	65.00	0.050	SR	Moderate	moderate	20.00	0.00	0.00
W-7	W-7q_1	4	1	Apr 14	130	1.50	5.00	0.050	SR	Very Light	light	3.00	0.00	3.00
W-8	W-8Aa_1	11	1	Apr 15	224	1.50	60.00	0.500	FR	Heavy	moderate	1.50	0.00	0.00
W-8	W-8Ab_1	10	1	Apr 15	347	1.50	40.00	0.050	FR	Light	moderate	1.50	0.00	0.00
W-8	W-8Ac_1	2	1	Apr 15	194	1.50	15.00	0.050	FR	Light	moderate	1.50	0.00	1.50
W-8	W-8Ba_1	2	1	Apr 15	229	0.25	0.50	0.010	FR	Very Light	light	0.25	0.00	0.25
W-8	W-8Bb_1	11	1	Apr 15	367	1.50	60.00	0.500	FR	Heavy	moderate	1.50	0.00	0.00
W-8	W-8C01_2	10	2	Apr 23	119	1.00	7.50	0.042	TB;SR	Very Light	light	1.00	0.00	0.00
W-8	W-8C02_2	10	2	Apr 23	98	1.00	28.00	0.075	TB;SR	Light	moderate	1.00	0.00	0.00
W-8	W-8C03_2	10	2	Apr 23	109	3.00	11.00	0.073	TB	Light	moderate	3.00	0.00	0.00
W-8	W-8C04_2	10	2	Apr 23	237	2.00	2.50	0.112	TB;SR	Light	light	2.00	0.00	0.00
W-8	W-8C05_2	10	2	Apr 23	89	0.50	1.00	0.006		Very Light	light	0.50	0.00	0.00
W-8	W-8C06_2	5-10	2	Apr 23	67	1.00	85.00	0.233	TB;SR	Heavy	moderate	1.00	0.00	0.50
W-8	W-8C07_2	10	2	Apr 23	414	7.50	100.00	0.041	TB;SR	Moderate	moderate	7.50	0.00	0.00
W-8	W-8C08_2	4-10	2	Apr 23	55	3.00	86.50	0.119		Heavy	moderate	3.00	0.00	1.50
W-8	W-8C09_2	10	2	Apr 23	71	0.50	48.00	0.136		Light	moderate	0.50	0.00	0.00
W-8	W-8C10_2	4	2	Apr 23	40	1.00	3.50	0.089	TB;SR	Very Light	light	1.00	0.00	1.00
W-8	W-8C11_2	10	2	Apr 23	21	1.00	1.50	0.200	TB;SR	Light	light	1.00	0.00	0.00
W-8	W-8C13_2	11	2	Apr 23	81	1.00	20.00	0.153	TB;SR	Moderate	moderate	1.00	0.00	0.00
W-8	W-8C14_2	4-11	2	Apr 23	179	0.50	15.00	0.187	TB;SR	Light	moderate	0.50	0.00	0.25
W-8	W-8C16_2	1-6-4	2	Apr 23	87	1.25	7.00	0.179		Light	light	1.25	0.00	1.25
W-8	W-8C17_2	4-10	2	Apr 23	54	1.00	1.00	0.030	SR	Very Light	light	1.00	0.00	0.50
W-8	W-8Ca_1	10	1	Apr 15	406	0.25	5.00	0.010	FR	Very Light	light	0.25	0.00	0.00
W-8	W-8Cb_1	10	1	Apr 15	457	0.25	5.00	0.010	FR	Very Light	light	0.25	0.00	0.00
W-8	W-8D01_2	10	2	Apr 23	134	2.00	1.50	0.187	TB;SR	Light	light	2.00	0.00	0.00
W-8	W-8D02_2	11	2	Apr 23	223	0.50	11.00	0.034	TB	Very Light	moderate	0.50	0.00	0.00
W-8	W-8D03_2	10	2	Apr 23	67	0.50	1.50	0.187		Light	light	0.50	0.00	0.00
W-8	W-8D04_2	10	2	Apr 23	98	2.00	7.00	0.167	TB;SR	Light	light	2.00	0.00	0.00

1.50	0.00	1273.50	1273.50	4245.00
5.00	0.00	0.00	1680.00	0.00
0.00	67.50	0.00	0.00	0.00
2.00	0.00	1246.00	1246.00	3115.00
2.00	0.00	570.00	570.00	0.00
1.50	0.00	43.50	43.50	145.00
0.00	50.00	0.00	0.00	0.00
0.00	0.00	219.00	0.00	0.00
20.00	0.00	0.00	13040.00	3260.00
0.00	0.00	390.00	0.00	0.00
		3742.00		
1.50	0.00	0.00	336.00	1120.00
1.50	0.00	0.00	520.50	1735.00
0.00	0.00	291.00	0.00	0.00
0.00	0.00	57.25	0.00	0.00
1.50	0.00	0.00	550.50	1835.00
1.00	0.00	0.00	119.00	0.00
1.00	0.00	0.00	98.00	490.00
3.00	0.00	0.00	327.00	545.00
2.00	0.00	0.00	474.00	0.00
0.50	0.00	0.00	44.50	0.00
0.50	0.00	33.50	33.50	335.00
7.50	0.00	0.00	3105.00	2070.00
1.50	0.00	82.50	82.50	275.00
0.50	0.00	0.00	35.50	355.00
0.00	0.00	40.00	0.00	0.00
1.00	0.00	0.00	21.00	0.00
1.00	0.00	0.00	81.00	405.00
0.25	0.00	44.75	44.75	895.00
0.00	0.00	108.75	0.00	0.00
0.50	0.00	27.00	27.00	0.00
0.25	0.00	0.00	101.50	0.00
0.25	0.00	0.00	114.25	0.00
2.00	0.00	0.00	268.00	0.00
0.50	0.00	0.00	111.50	1115.00
0.50	0.00	0.00	33.50	0.00
2.00	0.00	0.00	196.00	0.00

W-8	W-8D05_2	10	2	Apr 23	198	0.75	6.00	0.255		Light	light	0.75	0.00	0.00
W-8	W-8D06_2	5-10	2	Apr 23	50	0.50	0.50	0.010		Very Light	light	0.50	0.00	0.25
W-8	W-8D07_2	10	2	Apr 23	156	1.50	1.50	0.187	TB;SR	Light	light	1.50	0.00	0.00
W-8	W-8D08_2	10	2	Apr 23	131	1.50	35.00	0.224	TB;SR	Moderate	moderate	1.50	0.00	0.00
W-8	W-8D09_2	5-10	2	Apr 23	241	0.50	2.00	0.265	TB;SR	Light	light	0.50	0.00	0.25
W-8	W-8D11_2	10	2	Apr 23	289	0.75	1.00	0.030		Very Light	light	0.75	0.00	0.00
W-8	W-8D12_2	10	2	Apr 23	99	1.00	25.00	0.140	TB;SR	Moderate	moderate	1.00	0.00	0.00
W-8	W-8D13_2	10	2	Apr 23	143	0.50	0.50	0.010	SR	Very Light	light	0.50	0.00	0.00
W-8	W-8Dc_1	10	1	Apr 15	85	1.50	35.00	0.050	FR	Light	moderate	1.50	0.00	0.00
W-8	W-8De_1	10	1	Apr 15	266	1.50	30.00	0.050	FR	Light	moderate	1.50	0.00	0.00
W-8	W-8E01_2	10	2	Apr 23	251	0.50	11.00	0.091	TB;SR	Very Light	moderate	0.50	0.00	0.00
W-8	W-8E03_2	10	2	Apr 23	46	1.00	19.50	0.179	TB;SR	Moderate	moderate	1.00	0.00	0.00
W-8	W-8Ed_1	11	1	Apr 15	288	1.50	45.00	0.500	FR	Moderate	moderate	1.50	0.00	0.00
W-8	W-8Fa_1	10	1	Apr 14	91	0.25	35.00	0.050	SR	Very Light	moderate	0.25	0.00	0.00
W-8	W-8Fd_1	10	1	Apr 14	61	1.50	35.00	1.500	SR/AP	Moderate	moderate	1.50	0.00	0.00
W-8	W-8Ff_1a	10	1	Apr 14	54	1.50	35.00	0.050	SR/AP	Light	moderate	1.50	0.00	0.00
W-8	W-8Ff_1b	10	1	Apr 14	85	1.50	35.00	0.050	SR/AP	Light	moderate	1.50	0.00	0.00
W-8	W-8Fg_1	1	1	Apr 15	51	1.50	15.00	0.010	FR; AP	Very Light	light	1.50	1.50	0.00
W-8	W-8Fh_1	1	1	Apr 15	169	1.50	40.00	1.000	FR; AP	Moderate	moderate	1.50	1.50	0.00
W-8	W-8Ga_1	4-10	1	Apr 14	61	1.50	35.00	0.500	SR/AP	Moderate	moderate	1.50	0.00	0.75
W-8	W-8Gb_1	4-10	1	Apr 14	26	0.25	35.00	0.500	SR/AP	Light	moderate	0.25	0.00	0.13
W-8	W-8Gc_1	4-10	1	Apr 14	59	1.50	35.00	0.500	SR/AP	Moderate	moderate	1.50	0.00	0.75
W-8	W-8Gd_1	4-10	1	Apr 14	19	1.50	65.00	1.500	SR/AP	Heavy	moderate	1.50	0.00	0.75
W-8	W-8Ge_1	4-10	1	Apr 14	23	1.50	35.00	0.500	SR	Moderate	moderate	1.50	0.00	0.75
W-8	W-8Gf_1	4-10	1	Apr 14	46	0.25	0.50	0.010		Very Light	light	0.25	0.00	0.13
W-8	W-8Gg_1	4-10	1	Apr 14	92	1.50	35.00	1.500	SR/AP	Moderate	moderate	1.50	0.00	0.75
W-8	W-8Gh_1	4-10	1	Apr 14	18	1.50	65.00	1.500	SR/AP	Heavy	moderate	1.50	0.00	0.75
W-8	W-8Gi_1	4-10	1	Apr 14	277	1.50	65.00	1.500	SR/AP	Heavy	moderate	1.50	0.00	0.75
W-8	W-8Gj_1	4-10	1	Apr 14	247	1.50	35.00	1.500	SR/AP	Moderate	moderate	1.50	0.00	0.75
W-8	W-8Gk_1	4-10	1	Apr 14	25	0.25	35.00	0.500	SR	Light	moderate	0.25	0.00	0.13
W-8	W-8H_1	10	1	Apr 14	184	1.50	35.00	0.500	SR/AP	Moderate	moderate	1.50	0.00	0.00
W-9	W-9A_1	4-10	1	Apr 14	84	3.50	35.00	0.500	SR	Heavy	moderate	3.50	0.00	1.75
W-9	W-9Ba_2	10-4	2	Apr 19	61	4.00	100.00	0.140	FR;TB	Heavy	moderate	4.00	0.00	2.00
W-9	W-9Bb_2	10-4	2	Apr 19	39	1.00	80.00	0.163	FR;TB	Heavy	moderate	2.50	0.00	1.25
W-9	W-9Bc_2	10	2	Apr 19	110	1.00	60.00	0.050	FR	Moderate	moderate	2.50	0.00	0.00
W-9	W-9Bd_2	10	2	Apr 19	127	3.00	80.00	0.163	FR;TB	Heavy	moderate	3.00	0.00	0.00
W-9	W-9C_2	10-6	2	Apr 19	64	1.00	100.00	0.030		Moderate	moderate	1.00	0.00	0.50

0.75	0.00	0.00	148.50	0.00
0.25	0.00	12.50	12.50	0.00
1.50	0.00	0.00	234.00	0.00
1.50	0.00	0.00	196.50	655.00
0.25	0.00	60.25	60.25	0.00
0.75	0.00	0.00	216.75	0.00
1.00	0.00	0.00	99.00	495.00
0.50	0.00	0.00	71.50	0.00
1.50	0.00	0.00	127.50	425.00
1.50	0.00	0.00	399.00	1330.00
0.50	0.00	0.00	125.50	1255.00
1.00	0.00	0.00	46.00	230.00
1.50	0.00	0.00	432.00	1440.00
0.25	0.00	0.00	22.75	455.00
1.50	0.00	0.00	91.50	305.00
1.50	0.00	0.00	81.00	270.00
1.50	0.00	0.00	127.50	425.00
0.00	76.50	0.00	0.00	0.00
0.00	253.50	0.00	0.00	0.00
0.75	0.00	45.75	45.75	305.00
0.13	0.00	3.25	3.25	130.00
0.75	0.00	44.25	44.25	295.00
0.75	0.00	14.25	14.25	95.00
0.75	0.00	17.25	17.25	115.00
0.13	0.00	5.75	5.75	0.00
0.75	0.00	69.00	69.00	460.00
0.75	0.00	13.50	13.50	90.00
0.75	0.00	207.75	207.75	1385.00
0.75	0.00	185.25	185.25	1235.00
0.13	0.00	3.13	3.13	125.00
1.50	0.00	0.00	276.00	920.00
		1366.63		
1.75	0.00	147.00	147.00	420.00
2.00	0.00	122.00	122.00	305.00
1.25	0.00	48.75	48.75	195.00
2.50	0.00	0.00	275.00	550.00
3.00	0.00	0.00	381.00	635.00
0.50	0.00	32.00	32.00	320.00

W-9	W-9D_1	4-10	1	Apr 14	91	1.50	5.00	0.500	FR	Light	light	2.00	0.00	1.00
W-9	W-9Da_2	4-10	2	Apr 19	61	3.00	70.00	0.114	FR;TB	Heavy	moderate	3.00	0.00	1.50
W-9	W-9Db_2	4	2	Apr 19	114	2.00	100.00	0.400	SR	Heavy	moderate	2.00	0.00	2.00
W-9	W-9Dc_2	10	2	Apr 19	115	1.00	15.00	0.050	FR;TB	Light	moderate	1.50	0.00	0.00
W-9	W-9De_2	10	2	Apr 19	214	2.00	10.00	0.500	TB	Light	light	2.00	0.00	0.00
W-9	W-9Df_2	10	2	Apr 19	88	4.00	85.00	0.235	TB;SR	Heavy	moderate	4.00	0.00	0.00
W-9	W-9E_1a	4-10	1	Apr 14	853	1.00	35.00	0.500	FR	Moderate	moderate	1.00	0.00	0.50
W-9	W-9E_1b	4-10	1	Apr 14	50	1.00	35.00	0.500	FR	Moderate	moderate	5.00	0.00	2.50
W-9	W-9E_1c	4-10	1	Apr 14	104	1.00	35.00	0.500	FR	Moderate	moderate	3.00	0.00	1.50
W-9	W-9E_1d	4-10	1	Apr 14	581	1.00	35.00	0.500	FR	Moderate	moderate	3.00	0.00	1.50
W-9	W-9Ef_2	10	2	Apr 19	189	3.50	50.00	0.500	TB	Heavy	moderate	3.50	0.00	0.00
W-9	W-9Eh_2	11	2	Apr 19	148	5.00	40.00	1.500	AP	Heavy	moderate	5.00	0.00	0.00
W-9	W-9Ej_2	10	2	Apr 19	67	1.00	72.00	0.204	TB;SR	Heavy	moderate	1.50	0.00	0.00
W-9	W-9Ek_2	10	2	Apr 19	100	1.00	80.00	0.153		Heavy	moderate	1.50	0.00	0.00
W-9	W-9El_2	10	2	Apr 19	207	4.00	100.00	0.410	SR	Heavy	moderate	4.00	0.00	0.00
W-9	W-9F_1	6	1	Apr 14	341	1.00	35.00	0.500	FR	Moderate	moderate	1.00	1.00	0.00
W-9	W-9G_1	6	1	Apr 14	106	1.00	35.00	0.500	FR	Moderate	moderate	1.00	1.00	0.00
	NRD1-SC		NRDA		127	3.00					heavy	3.00	0.00	0.00
	NRD2-SC		NRDA		306	3.00					heavy	3.00	0.00	0.00
	NRD3-CC		NRDA		1408	1.00					light	1.00	0.00	0.00
	NRD4-IC		NRDA		189	1.00					light	1.00	0.00	0.00
	NRD5-PC		NRDA		609	1.00					light	1.00	0.00	0.00
	NRD6-THC		NRDA		250	1.00					light	1.00	0.00	0.00

1.00	0.00	91.00	91.00	0.00
1.50	0.00	91.50	91.50	305.00
0.00	0.00	228.00	0.00	0.00
1.50	0.00	0.00	172.50	575.00
2.00	0.00	0.00	428.00	0.00
4.00	0.00	0.00	352.00	440.00
0.50	0.00	426.50	426.50	4265.00
2.50	0.00	125.00	125.00	250.00
1.50	0.00	156.00	156.00	520.00
1.50	0.00	871.50	871.50	2905.00
3.50	0.00	0.00	661.50	945.00
5.00	0.00	0.00	740.00	740.00
1.50	0.00	0.00	100.50	335.00
1.50	0.00	0.00	150.00	500.00
4.00	0.00	0.00	828.00	1035.00
0.00	341.00	0.00	0.00	0.00
0.00	106.00	0.00	0.00	0.00
		2339.25		
3.00	0.00	0.00	380.42	634.04
3.00	0.00	0.00	917.46	1529.11
1.00	0.00	0.00	1407.62	0.00
1.00	0.00	0.00	188.60	0.00
1.00	0.00	0.00	609.41	0.00
1.00	0.00	0.00	250.47	0.00

APPENDIX 1B
Oiled Widths and Areas of All Shoreline Segments

Record Number	Segment ID	Subdivision ID	ESI	Survey	Survey Date	Length	Width	Distribution (%)	thickness (cm)	Oil Character
1	W-1	W-1GG_v	7	3	Apr 12	492	2.00	80.00	0.050	FR
2	W-3	W-3AA_v	4-10	3	Apr 12	407	2.00	35.00	0.050	FR
3	W-3	W-3BB_v	10	3	Apr 12	22	1.00	35.00	0.050	FR
4	W-3	W-3CC_v	4-10	3	Apr 12	80	1.00	35.00	0.050	FR
5	W-3	W-3DD_v	10	3	Apr 12	32	1.00	35.00	0.050	FR
6	W-3	W-3EE_v	4-10	3	Apr 12	201	3.00	35.00	0.050	FR
7	W-3	W-3FF_v	4-10	3	Apr 12	77	3.00	65.00	0.500	FR
8	W-3	W-3GG_v	10	3	Apr 12	76	3.00	65.00	0.500	FR
9	W-3	W-3HH_v	4-10	3	Apr 12	295	4.00	35.00	0.050	FR
10	W-2	W-2r	10	1	Apr 16	470	1.00	95.00	0.500	FR
11	W-2	W-2s	10	1	Apr 16	179	1.00	65.00	0.500	FR
12	W-2	W-2t	8-11	1	Apr 16	240	1.50	95.00	0.500	FR
13	W-2	W-2u	11	1	Apr 16	229	2.50	35.00	0.500	FR
14	W-2	W-2v	11	1	Apr 16	89	3.50	95.00	0.500	FR
15	W-1	W-1A	4	1	Apr 22	131	1.00	70.00	0.114	FR
16	W-1	W-1AA	7	1	Apr 22	275	7.50	80.00	0.163	FR;SR
17	W-1	W-1B	10	1	Apr 22	147	7.50	100.00	0.230	SR
18	W-1	W-1BB	11	1	Apr 22	68	50.00	95.00	0.411	FR;SR
19	W-1	W-1C	10-4	1	Apr 22	195	0.50	100.00	0.255	FR;SR
20	W-1	W-1CC	10	1	Apr 22	42	5.00	65.00	0.465	FR
21	W-1	W-1D	10	1	Apr 22	69	5.00	90.00	0.411	FR;SR
22	W-1	W-1DD	11	1	Apr 22	130	200.00	100.00	0.510	FR;SR
23	W-1	W-1E	4-10	1	Apr 22	19	1.00	40.00	0.030	
24	W-1	W-1EE	7	1	Apr 22	260	5.50	100.00	0.510	FR
25	W-1	W-1F	11	1	Apr 22	100	7.50	90.00	0.411	FR;SR
26	W-1	W-1FF	7	1	Apr 22	271	2.00	80.00	0.050	FR
27	W-1	W-1G	10-3	1	Apr 22	52	3.00	100.00	1.100	FR
28	W-1	W-1H	11	1	Apr 22	95	10.00	70.00	0.114	FR;SR
29	W-1	W-1I	7	1	Apr 22	135	1.50	60.00	0.050	
30	W-1	W-1J	11	1	Apr 22	85	10.00	30.00	0.350	FR
31	W-1	W-1L	10	1	Apr 22	98	3.00	20.00	0.163	FR
32	W-1	W-1N	10	1	Apr 22	33	3.00	37.50	0.387	FR;SR
33	W-1	W-1O	4	1	Apr 22	89	2.00	30.00	0.050	FR
34	W-1	W-1P	7	1	Apr 22	71	4.00	60.00	0.101	SR

Oiling category	NRDA Oiling Category	Max Width (meters)	Width Manmade (meters)	Width Beach (meters)	Width Marsh (meters)	Area manmade (m2)	Area Beach (m2)	Area Marsh (m2)	Shoreline Transition area (m2)
Moderate	heavy	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light	heavy	2.00	0.00	1.00	1.00	0.00	406.75	406.75	2033.75
Light	heavy	1.00	0.00	0.00	1.00	0.00	0.00	22.38	111.89
Light	heavy	1.00	0.00	0.50	0.50	0.00	40.16	40.16	401.59
Light	heavy	1.00	0.00	0.00	1.00	0.00	0.00	32.30	161.49
Light	heavy	3.00	0.00	1.50	1.50	0.00	302.18	302.18	1007.27
Heavy	heavy	3.00	0.00	1.50	1.50	0.00	114.99	114.99	383.30
Heavy	heavy	3.00	0.00	0.00	3.00	0.00	0.00	226.70	377.84
Moderate	heavy	4.00	0.00	2.00	2.00	0.00	590.25	590.25	1475.62
Heavy	heavy	1.00	0.00	0.00	1.00	0.00	0.00	470.00	2350.00
Heavy	heavy	1.00	0.00	0.00	1.00	0.00	0.00	179.00	895.00
Heavy	heavy	1.50	0.00	0.00	1.50	0.00	0.00	360.00	1200.00
Moderate	heavy	2.50	0.00	0.00	2.50	0.00	0.00	572.50	1145.00
Heavy	heavy	3.50	0.00	0.00	3.50	0.00	0.00	311.50	445.00
Heavy	heavy	1.00	0.00	1.00	0.00	0.00	131.00	0.00	0.00
Heavy	heavy	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy	heavy	7.50	0.00	0.00	7.50	0.00	0.00	1102.50	735.00
Heavy	heavy	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moderate	heavy	0.50	0.00	0.25	0.25	0.00	48.75	48.75	975.00
Heavy	heavy	5.00	0.00	0.00	5.00	0.00	0.00	210.00	210.00
Heavy	heavy	5.00	0.00	0.00	5.00	0.00	0.00	345.00	345.00
Heavy	heavy	200.00	0.00	0.00	5.00	0.00	0.00	650.00	650.00
Light	heavy	1.00	0.00	0.50	0.50	0.00	9.50	9.50	95.00
Heavy	heavy	5.50	0.00	0.00	5.50	0.00	0.00	1430.00	1300.00
Heavy	heavy	7.50	0.00	0.00	7.50	0.00	0.00	750.00	500.00
Moderate	heavy	2.00	0.00	0.00	2.00	0.00	0.00	542.00	1355.00
Heavy	heavy	3.00	0.00	1.50	1.50	0.00	78.00	78.00	260.00
Heavy	heavy	10.00	0.00	0.00	10.00	0.00	0.00	950.00	475.00
Moderate	heavy	1.50	0.00	0.00	1.50	0.00	0.00	202.50	675.00
Heavy	heavy	10.00	0.00	0.00	10.00	0.00	0.00	850.00	425.00
Moderate	heavy	3.00	0.00	0.00	3.00	0.00	0.00	294.00	490.00
Moderate	heavy	3.00	0.00	0.00	3.00	0.00	0.00	99.00	165.00
Light	heavy	2.00	0.00	2.00	0.00	0.00	178.00	0.00	0.00
Heavy	heavy	4.00	0.00	0.00	4.00	0.00	0.00	284.00	355.00

Impact category	Impacted area (acres)
Light manmade =	0.85
Light Beach =	3.24
Light marsh =	7.87
Moderate Manmade =	0.65
Moderate Beach =	6.40
Moderate Marsh =	12.01
Light buffer =	26.30
Heavy Manmade =	0.00
Heavy Beach =	0.47
Heavy Marsh =	3.34
Light Buffer =	6.29
Total Manmade =	1.49
Total Beach =	10.11
Total Marsh =	55.81

35	W-1	W-1W	7	1	Apr 22	328	1.00	30.00	0.017	
36	W-1	W-1X	7	1	Apr 22	133	3.00	60.00	0.034	
37	W-1	W-1Y	7	1	Apr 22	281	6.50	80.00	0.625	FR;SR
38	W-1	W-1Z	11	1	Apr 22	216	16.00	90.00	0.100	FR;TB
39		NRD2-SC		NRDA		306	3.00			
40		NRD1-SC		NRDA		127	3.00			
41	E-2	E-2y_v	10-7	3	Apr 10	38	1.00	10.00	0.500	FR
42	W-14	W-14E-v	10-4	3	Apr 13	58	1.00	10.00	0.500	FR
43	W-10	W-10B_1	7	1	Apr 14	251	1.00	5.00	0.500	FR
44	W-10	W-10C_1	6	1	Apr 14	43	1.00	5.00	0.500	FR
45	W-10	W-10J_1	7	1	Apr 14	174	1.00	5.00	0.500	FR
46	W-10	W-10L_1	7	1	Apr 14	243	1.00	5.00	0.500	FR
47	W-10	W-10N_1	7	1	Apr 14	57	1.00	5.00	0.500	FR
48	W-10	W-10O_1	7	1	Apr 14	414	1.00	5.00	0.500	FR
49	W-4	W-4b_1	4-10	1	Apr 14	98	1.00	5.00	0.050	SR
50	W-4	W-4g_1	4-10	1	Apr 14	79	1.00	5.00	0.050	SR
51	W-5	W-5a	10	1	Apr 14	230	1.50	5.00	0.010	FR
52	W-5	W-5ee	10	1	Apr 14	112	3.00	5.00	0.010	SR
53	W-5	W-5f	10	1	Apr 14	684	1.50	5.00	0.500	FR
54	W-5	W-5h	10	1	Apr 14	403	1.50	5.00	0.500	FR
55	W-7	W-7c_1	6-1-10	1	Apr 14	16	1.50	5.00	0.050	SR
56	W-7	W-7k_1	6	1	Apr 14	45	1.50	5.00	0.050	SR
57	W-7	W-7m_1	4	1	Apr 14	285	1.50	5.00	0.050	SR
58	W-7	W-7o_1	4	1	Apr 14	146	1.50	5.00	0.500	SR
59	W-7	W-7q_1	4	1	Apr 14	130	1.50	5.00	0.050	SR
60	W-8	W-8Gf_1	4-10	1	Apr 14	46	0.25	0.50	0.010	
61	W-9	W-9D_1	4-10	1	Apr 14	91	1.50	5.00	0.500	FR
62	E-2	E-2c_1	4-10	1	Apr 15	128	2.00	0.50	0.500	FR
63	E-2	E-2d_1	4-10	1	Apr 15	203	3.00	5.00	0.500	FR
64	E-8	E-8A	11	1	Apr 15	432	1.50	8.00	2.000	TB
65	W-11	W-11b_1	11-7	1	Apr 15	120	1.00	5.00	0.010	FR
66	W-11	W-11Ea_1	11-10-4	1	Apr 15	166	1.00	10.00	0.050	
67	W-11	W-11Eb_1	11-10-4	1	Apr 15	289	1.00	10.00	0.050	
68	W-11	W-11Ec_1	11-10-4	1	Apr 15	141	1.00	10.00	0.050	
69	W-6	W-6b_1	4-10	1	Apr 15	550	2.50	30.00	0.010	FR
70	W-8	W-8Ba_1	2	1	Apr 15	229	0.25	0.50	0.010	FR
71	W-8	W-8Ca_1	10	1	Apr 15	406	0.25	5.00	0.010	FR

Light	heavy	1.00	0.00	0.00	1.00	0.00	0.00	328.00	1640.00
Moderate	heavy	3.00	0.00	0.00	3.00	0.00	0.00	399.00	665.00
Heavy	heavy	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moderate	heavy	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	heavy	3	0	0	3	0.00	0.00	917.46	1529.11
	heavy	3	0	0	3	0.00	0.00	380.42	634.04
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	37.64	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	29.24	29.24	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	502.00	0.00
Light	light	1.00	1.00	0.00	0.00	43.00	0.00	0.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	348.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	243.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	114.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	414.00	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	49.00	49.00	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	39.50	39.50	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	345.00	0.00
Very Light	light	3.00	0.00	0.00	3.00	0.00	0.00	336.00	0.00
Light	light	1.50	0.00	0.00	1.50	0.00	0.00	1026.00	0.00
Light	light	1.50	0.00	0.00	1.50	0.00	0.00	604.50	0.00
Very Light	light	2.00	0.00	0.00	2.00	0.00	0.00	32.00	0.00
Very Light	light	1.50	1.50	0.00	0.00	67.50	0.00	0.00	0.00
Very Light	light	4.00	0.00	2.00	2.00	0.00	570.00	570.00	0.00
Light	light	1.50	0.00	1.50	0.00	0.00	219.00	0.00	0.00
Very Light	light	3.00	0.00	3.00	0.00	0.00	390.00	0.00	0.00
Very Light	light	0.25	0.00	0.13	0.13	0.00	5.75	5.75	0.00
Light	light	2.00	0.00	1.00	1.00	0.00	91.00	91.00	0.00
Light	light	2.00	0.00	1.00	1.00	0.00	128.00	128.00	0.00
Light	light	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light	light	1.50	0.00	0.00	1.50	0.00	0.00	648.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	120.00	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	83.00	83.00	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	144.50	144.50	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	70.50	70.50	0.00
Very Light	light	2.50	0.00	1.25	1.25	0.00	687.50	687.50	0.00
Very Light	light	0.25	0.00	0.25	0.00	0.00	57.25	0.00	0.00
Very Light	light	0.25	0.00	0.00	0.25	0.00	0.00	101.50	0.00

72	W-8	W-8Cb_1	10	1	Apr 15	457	0.25	5.00	0.010	FR
73	W-8	W-8Fg_1	1	1	Apr 15	51	1.50	15.00	0.010	FR; AP
74	E-2	E-2f_1	4	1	Apr 16	342	8.00	2.00	0.500	TB
75	E-2	E-2h_1	4	1	Apr 16	218	6.00	2.00	0.500	TB
76	E-2	E-2i_1	4	1	Apr 16	263	0.50	5.00	0.500	TB
77	E-2	E-2k_1	1	1	Apr 16	35	1.00	7.00	0.500	TB
78	W-15	W-15a	2	1	Apr 16	70	1.00	10.00	0.500	TB
79	W-15	W-15c	2	1	Apr 16	258	2.00	0.50	0.050	TB
80	W-15	W-15e	2	1	Apr 16	240	2.00	0.50	0.050	TB
81	W-15	W-15g	6	1	Apr 16	116	2.00	0.05	0.050	TB
82	W-15	W-15i	6	1	Apr 16	223	1.00	10.00	0.500	TB
83	W-15	W-15j	6	1	Apr 16	315	1.00	0.50	0.050	TB
84	W-15	W-15k	6	1	Apr 16	32	1.50	10.00	0.500	TB
85	W-15	W-15l	6	1	Apr 16	273	1.00	0.50	0.050	TB
86	W-15	W-15m	2	1	Apr 16	71	1.00	0.50	0.050	TB
87	W-15	W-15p	2	1	Apr 16	61	2.00	0.50	0.500	TB
88	W-15	W-15q	6	1	Apr 16	70	1.00	0.50	0.050	TB
89	W-15	W-15r	2	1	Apr 16	71	1.00	0.50	0.050	TB
90	W-15	W-15s	6	1	Apr 16	54	1.00	0.50	0.050	TB
91	W-2	W-2a1	4	1	Apr 16	56	1.00	5.00	0.500	TB
92	W-2	W-2dd	4	1	Apr 16	54	1.00	0.50	0.010	FR
93	W-2	W-2e	1-6	1	Apr 16	28	0.50	5.00	0.050	TB
94	W-2	W-2g	4-10	1	Apr 16	100	4.00	5.00	0.050	FR
95	W-2	W-2l	6	1	Apr 16	64	0.50	5.00	0.500	TB
96	W-2	W-2m	6	1	Apr 16	91	0.50	5.00	0.500	TB
97	W-2	W-2n	4-10	1	Apr 16	191	1.00	5.00	0.500	TB
98	W-2	W-2o	10	1	Apr 16	79	0.50	5.00	0.001	TB
99	W-2	W-2p	10	1	Apr 16	95	0.50	0.50	0.001	TB
100	W-2	W-2q	10	1	Apr 16	135	0.50	65.00	0.001	TB
101	W-3	W-3a	10-4	1	Apr 17	94	2.50	10.00	0.500	TB
102	W-3	W-3d	4	1	Apr 17	43	0.50	4.00	0.388	TB
103	W-3	W-3h	4	1	Apr 17	45	0.50	2.00	0.050	SR
104	W-3	W-3i	4	1	Apr 17	53	0.50	3.00	0.125	TB
105	W-3	W-3m	4	1	Apr 17	33	0.50	5.00	0.500	TB
106	W-3	W-3q	4	1	Apr 17	34	3.00	1.00	0.500	TB
107	W-3	W-3s	10-4	1	Apr 17	148	1.00	10.00	0.275	DB
108	W-4	W-4c_2	10	1	Apr 17	376	0.50	30.00	0.001	SR

Very Light	light	0.25	0.00	0.00	0.25	0.00	0.00	114.25	0.00
Very Light	light	1.50	1.50	0.00	0.00	76.50	0.00	0.00	0.00
Moderate	light	8.00	0.00	8.00	0.00	0.00	2736.00	0.00	0.00
Moderate	light	6.00	0.00	6.00	0.00	0.00	1308.00	0.00	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	131.50	0.00	0.00
Light	light	1.50	1.50	0.00	0.00	52.50	0.00	0.00	0.00
Light	light	1.00	0.00	1.00	0.00	0.00	70.00	0.00	0.00
Very Light	light	2.00	0.00	2.00	0.00	0.00	516.00	0.00	0.00
Very Light	light	2.00	0.00	2.00	0.00	0.00	480.00	0.00	0.00
Very Light	light	2.00	2.00	0.00	0.00	232.00	0.00	0.00	0.00
Light	light	1.00	1.00	0.00	0.00	223.00	0.00	0.00	0.00
Very Light	light	1.00	1.00	0.00	0.00	315.00	0.00	0.00	0.00
Light	light	1.50	1.50	0.00	0.00	48.00	0.00	0.00	0.00
Very Light	light	1.00	1.00	0.00	0.00	273.00	0.00	0.00	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	71.00	0.00	0.00
Light	light	2.00	0.00	2.00	0.00	0.00	122.00	0.00	0.00
Very Light	light	1.00	1.00	0.00	0.00	70.00	0.00	0.00	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	71.00	0.00	0.00
Very Light	light	1.00	1.00	0.00	0.00	54.00	0.00	0.00	0.00
Light	light	1.00	0.00	1.00	0.00	0.00	56.00	0.00	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	54.00	0.00	0.00
Very Light	light	0.50	0.50	0.00	0.00	14.00	0.00	0.00	0.00
Light	light	4.00	0.00	2.00	2.00	0.00	200.00	200.00	0.00
Light	light	0.50	0.50	0.00	0.00	32.00	0.00	0.00	0.00
Light	light	0.50	0.50	0.00	0.00	45.50	0.00	0.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	95.50	95.50	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	39.50	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	47.50	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	67.50	0.00
Light	light	2.50	0.00	1.25	1.25	0.00	117.50	117.50	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	21.50	0.00	0.00
Very Light	light	0.50	0.00	0.50	0.00	0.00	22.50	0.00	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	26.50	0.00	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	16.50	0.00	0.00
Light	light	3.00	0.00	3.00	0.00	0.00	102.00	0.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	74.00	74.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	376.00	0.00

109	NW-1	NW-1a	4-10	1	Apr 18	424	2.00	73.00	0.005	TB;SR
110	NW-1	NW-1b	4	1	Apr 18	236	2.00	1.00	0.010	SR
111	NW-1	NW-1c	4-10	1	Apr 18	278	1.00	51.50	0.006	TB;SR
112	NW-1	NW-1e	4-10	1	Apr 18	620	1.00	51.00	0.001	SR
113	E-2	E-2g_2	4	2	Apr 19	99	1.50	2.00	0.500	TB
114	E-2	E-2k_2	11	2	Apr 19	63	1.50	50.00	0.010	SR
115	E-2	E-2l_2	11	2	Apr 19	150	1.50	10.00	0.010	SR
116	E-2	E-2m_2	10	2	Apr 19	134	1.50	11.00	0.010	SR
117	W-9	W-9De_2	10	2	Apr 19	214	2.00	10.00	0.500	TB
118	W-10	W-10E1_2	10	2	Apr 20	43	0.30	0.50	0.050	
119	W-10	W-10K2_2	4	2	Apr 20	54	1.00	0.50	0.050	TB
120	W-10	W-10L1_2	10	2	Apr 20	60	3.00	5.00	0.500	FR
121	W-10	W-10M1_2	7	2	Apr 20	289	1.00	5.00	0.050	
122	W-10	W-10O1_2	10-4	2	Apr 20	16	2.00	10.00	0.050	
123	W-10	W-10Q3_2	8	2	Apr 20	136	4.00	10.00	0.050	
124	W-10	W-10Q5_2	8	2	Apr 20	213	3.50	5.00	0.275	FR
125	W-13	W-13A	6	1	Apr 20	288	1.00	0.50	0.500	TB
126	W-13	W-13B	10	1	Apr 20	321	1.00	0.50	0.500	TB
127	W-13	W-13C	1	1	Apr 20	87	0.25	0.50	0.010	SR
128	W-13	W-13D	1-2	1	Apr 20	119	0.50	2.00	0.275	TB
129	W-13	W-13E	10-4	1	Apr 20	60	1.00	1.50	0.187	TB;SR
130	W-13	W-13F	1	1	Apr 20	120	0.25	0.50	0.050	SR
131	W-13	W-13G	4	1	Apr 20	193	1.00	1.50	0.187	TB;SR
132	W-13	W-13H	6	1	Apr 20	27	0.50	0.50	0.010	
133	W-13	W-13J	1	1	Apr 20	674	0.25	0.50	0.010	SR
134	W-13	W-13L	4	1	Apr 20	201	1.00	1.00	0.275	TB
135	W-13	W-13M	10	1	Apr 20	53	1.00	1.00	0.275	SR
136	W-13	W-13O	1	1	Apr 20	128	1.00	3.00	0.187	TB
137	W-14	W-14A	1-4	1	Apr 20	271	2.00	1.50	0.020	TB;SR
138	W-14	W-14B	1-4	1	Apr 20	156	1.00	6.00	0.425	TB;SR
139	W-6	W-6B3_2	1-4-10	2	Apr 20	17	0.20	30.00	0.010	
140	E-4	E-4Ef_2	10	2	Apr 22	134	1.00	8.00	0.071	TB;SR
141	E-4	E-4Eh_2	10	2	Apr 22	394	1.00	8.00	0.071	SR
142	E-4	E-4Ei_2	10	2	Apr 22	683	1.00	1.50	0.004	SR
143	E-4	E-4Ek_2	10	2	Apr 22	41	1.00	2.50	0.112	TB;SR
144	W-1	W-1K	4	1	Apr 22	73	0.50	0.50	0.050	
145	W-1	W-1M	4	1	Apr 22	103	1.00	0.50	0.010	

Light	light	2.00	0.00	1.00	1.00	0.00	424.00	424.00	0.00
Very Light	light	2.00	0.00	2.00	0.00	0.00	472.00	0.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	139.00	139.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	310.00	310.00	0.00
Light	light	8.00	0.00	8.00	0.00	0.00	792.00	0.00	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	94.50	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	225.00	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	201.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	428.00	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	21.50	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	54.00	0.00	0.00
Light	light	3.00	0.00	0.00	3.00	0.00	0.00	180.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	289.00	0.00
Very Light	light	2.00	0.00	1.00	1.00	0.00	16.00	16.00	0.00
Light	light	4.00	0.00	0.00	4.00	0.00	0.00	544.00	0.00
Moderate	light	3.50	0.00	0.00	3.50	0.00	0.00	745.50	0.00
Light	light	1.00	1.00	0.00	0.00	288.00	0.00	0.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	321.00	0.00
Very Light	light	0.25	0.25	0.00	0.00	21.75	0.00	0.00	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	59.50	0.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	30.00	30.00	0.00
Very Light	light	0.25	0.25	0.00	0.00	30.00	0.00	0.00	0.00
Light	light	1.00	0.00	1.00	0.00	0.00	193.00	0.00	0.00
Very Light	light	0.50	0.50	0.00	0.00	13.50	0.00	0.00	0.00
Very Light	light	0.25	0.25	0.00	0.00	168.50	0.00	0.00	0.00
Light	light	1.00	0.00	1.00	0.00	0.00	201.00	0.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	53.00	0.00
Light	light	1.00	1.00	0.00	0.00	128.00	0.00	0.00	0.00
Very Light	light	2.00	0.00	2.00	0.00	0.00	542.00	0.00	0.00
Light	light	1.00	0.00	1.00	0.00	0.00	156.00	0.00	0.00
Very Light	light	2.50	0.00	1.25	1.25	0.00	21.25	21.25	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	134.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	394.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	683.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	41.00	0.00
Very Light	light	0.50	0.00	0.50	0.00	0.00	36.50	0.00	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	103.00	0.00	0.00

146	W-1	W-1Q	7	1	Apr 22	306	1.00	15.00	0.010	
147	W-1	W-1R	7	1	Apr 22	136	1.00	5.00	0.010	
148	W-1	W-1U	7	1	Apr 22	902	1.50	0.50	0.050	SR
149	W-1	W-1V	7	1	Apr 22	525	3.00	3.00	0.125	FR;SR
150	W-8	W-8C01_2	10	2	Apr 23	119	1.00	7.50	0.042	TB;SR
151	W-8	W-8C04_2	10	2	Apr 23	237	2.00	2.50	0.112	TB;SR
152	W-8	W-8C05_2	10	2	Apr 23	89	0.50	1.00	0.006	
153	W-8	W-8C10_2	4	2	Apr 23	40	1.00	3.50	0.089	TB;SR
154	W-8	W-8C11_2	10	2	Apr 23	21	1.00	1.50	0.200	TB;SR
155	W-8	W-8C16_2	1-6-4	2	Apr 23	87	1.25	7.00	0.179	
156	W-8	W-8C17_2	4-10	2	Apr 23	54	1.00	1.00	0.030	SR
157	W-8	W-8D01_2	10	2	Apr 23	134	2.00	1.50	0.187	TB;SR
158	W-8	W-8D03_2	10	2	Apr 23	67	0.50	1.50	0.187	
159	W-8	W-8D04_2	10	2	Apr 23	98	2.00	7.00	0.167	TB;SR
160	W-8	W-8D05_2	10	2	Apr 23	198	0.75	6.00	0.255	
161	W-8	W-8D06_2	5-10	2	Apr 23	50	0.50	0.50	0.010	
162	W-8	W-8D07_2	10	2	Apr 23	156	1.50	1.50	0.187	TB;SR
163	W-8	W-8D09_2	5-10	2	Apr 23	241	0.50	2.00	0.265	TB;SR
164	W-8	W-8D11_2	10	2	Apr 23	289	0.75	1.00	0.030	
165	W-8	W-8D13_2	10	2	Apr 23	143	0.50	0.50	0.010	SR
166	W-11	W-11G_2	7	2	Apr 24	83	1.00	0.50	0.050	
167	W-11	W-11H_2	7	2	Apr 24	599	0.50	0.50	0.500	TB
168	W-11	W-11I_2	4-10	2	Apr 24	52	0.75	10.00	0.275	TB
169	W-11	W-11L_2	7	2	Apr 24	119	0.50	0.05	0.050	
170	W-11	W-11N_2	10-4	2	Apr 24	79	1.00	3.00	0.200	TB
171	W-11	W-11O_2	10	2	Apr 24	295	1.00	0.10	0.050	TB
172	W-11	W-11Q_2	10-4-5	2	Apr 24	83	1.00	0.05	0.500	TB
173	W-11	W-11R_2	1-6	2	Apr 24	145	1.00	0.05	0.050	
174	W-11	W-11T_2	6-1	2	Apr 24	204	1.00	1.00	0.275	TB
175	W-11	W-11V_2	5-10	2	Apr 24	135	1.25	2.00	0.140	TB;SR
176	W-12	W-12A	6	1	Apr 24	89	0.50	1.00	0.275	TB;SR
177	W-12	W-12B	10	1	Apr 24	103	1.00	1.00	0.030	SR
178	W-12	W-12C	1-6	1	Apr 24	312	0.50	1.50	0.187	TB;SR
179	W-12	W-12E	10	1	Apr 24	148	2.00	1.50	0.187	TB;SR
180	W-12	W-12G	1-6	1	Apr 24	277	0.50	1.00	0.275	TB;SR
181	W-13	W-13Q	6	2	Apr 24	106	1.00	1.50	0.187	TB;SR
182	W-13	W-13S	6	1	Apr 24	90	1.00	1.50	0.187	TB;SR

Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	306.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	136.00	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	1353.00	0.00
Light	light	3.00	0.00	0.00	3.00	0.00	0.00	1575.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	119.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	474.00	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	44.50	0.00
Very Light	light	1.00	0.00	1.00	0.00	0.00	40.00	0.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	21.00	0.00
Light	light	1.25	0.00	1.25	0.00	0.00	108.75	0.00	0.00
Very Light	light	1.00	0.00	0.50	0.50	0.00	27.00	27.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	268.00	0.00
Light	light	0.50	0.00	0.00	0.50	0.00	0.00	33.50	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	196.00	0.00
Light	light	0.75	0.00	0.00	0.75	0.00	0.00	148.50	0.00
Very Light	light	0.50	0.00	0.25	0.25	0.00	12.50	12.50	0.00
Light	light	1.50	0.00	0.00	1.50	0.00	0.00	234.00	0.00
Light	light	0.50	0.00	0.25	0.25	0.00	60.25	60.25	0.00
Very Light	light	0.75	0.00	0.00	0.75	0.00	0.00	216.75	0.00
Very Light	light	0.50	0.00	0.00	0.50	0.00	0.00	71.50	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	83.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	599.00	0.00
Light	light	1.00	0.00	0.38	0.38	0.00	19.50	19.50	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	119.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	39.50	39.50	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	295.00	0.00
Light	light	1.00	0.00	0.50	0.50	0.00	41.50	41.50	0.00
Very Light	light	1.00	1.00	0.00	0.00	145.00	0.00	0.00	0.00
Light	light	1.00	1.00	0.00	0.00	204.00	0.00	0.00	0.00
Light	light	1.25	0.00	0.63	0.63	0.00	84.38	84.38	0.00
Light	light	0.50	0.50	0.00	0.00	44.50	0.00	0.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	103.00	0.00
Light	light	0.50	0.50	0.00	0.00	156.00	0.00	0.00	0.00
Light	light	2.00	0.00	0.00	2.00	0.00	0.00	296.00	0.00
Light	light	0.50	0.50	0.00	0.00	138.50	0.00	0.00	0.00
Light	light	1.00	1.00	0.00	0.00	106.00	0.00	0.00	0.00
Light	light	1.00	1.00	0.00	0.00	90.00	0.00	0.00	0.00

183	W-13	W-13T	1	1	Apr 24	66	0.25	1.50	0.187	TB
184	W-13	W-13U	6	1	Apr 24	100	0.50	1.00	0.275	TB
185	W-13	W-13W	10	1	Apr 24	152	1.00	1.00	0.030	SR
186	W-13	W-13X	4	1	Apr 24	585	0.50	2.00	0.275	TB;SR
187	W-13	W-13Y	10	1	Apr 24	185	1.00	1.00	0.275	TB;SR
188	W-7	W-7B_2	1	2	Apr 24	43	3.00	0.50	0.010	SR
189	W-7	W-7C_2	1	2	Apr 24	33	3.00	10.00	0.010	
190	W-7	W-7D_2	10	2	Apr 24	771	5.00	6.00	0.168	TB
191	W-7	W-7F_2	10	2	Apr 24	37	1.00	1.00	0.050	TB
192	W-7	W-7I_2	7	2	Apr 24	1041	0.50	5.50	0.01363	TB
193	W-7	W-7J_2	10	2	Apr 24	336	5.00	3.00	0.01666	TB;MS
194	W-7	W-7N_2	6	2	Apr 24	25	2.00	2.00	0.755	
195	E-5	E-5d_1	10	1	Apr 15	345	1.00	10.00	0.001	SR
196	E-5	E-5d_2	10	1	Apr 15	706	1.00	10.00	0.001	SR
197		NRD6-THC		NRDA		250	1.00			
198		NRD5-PC		NRDA		609	1.00			
199		NRD4-IC		NRDA		189	1.00			
200		NRD3-CC		NRDA		1408	1.00			
201	E-2	E-2d_v	4	3	Apr 10	204	1.00	80.00	0.500	FR
202	E-2	E-2e1_v	4	3	Apr 10	186	1.00	80.00	0.500	FR
203	E-2	E-2e2_v	4	3	Apr 10	70	2.00	95.00	0.500	FR
204	E-2	E-2e3_v	4-10	3	Apr 10	391	3.50	95.00	1.100	FR
205	E-2	E-2n_v	10-7	3	Apr 10	66	3.00	85.00	0.500	FR
206	E-2	E-2o_v	4	3	Apr 10	37	3.00	95.00	0.500	FR
207	E-2	E-2p_v	4-10	3	Apr 10	33	1.00	50.00	0.050	FR
208	E-2	E-2q_v	4	3	Apr 10	131	1.00	50.00	0.050	FR
209	E-2	E-2r_v	10-4-7	3	Apr 10	236	3.00	80.00	0.500	FR
210	E-2	E-2s_v	10-7	3	Apr 10	30	6.00	90.00	0.500	FR
211	E-2	E-2t_v	10-7	3	Apr 10	183	3.00	90.00	0.500	FR
212	E-2	E-2u_v	4-10-7	3	Apr 10	38	3.00	90.00	0.500	FR
213	E-2	E-2v_v	4-10	3	Apr 10	23	4.00	90.00	0.500	FR
214	E-2	E-2w_v	4-10-7	3	Apr 10	18	2.00	90.00	0.500	FR
215	E-2	E-2x_v	10-7	3	Apr 10	26	1.00	50.00	0.500	FR
216	E-8	E-8D_v	10-7	3	Apr 13	2	1.00	80.00	0.500	FR
217	W-14	W-14F-v	4	3	Apr 13	194	1.00	15.00	0.050	SR
218	W-14	W-14G-v	4	3	Apr 13	201	3.00	20.00	0.050	SR
219	W-14	W-14H-v	10-4	3	Apr 13	23	2.00	20.00	0.050	SR

Light	light	0.25	0.25	0.00	0.00	16.50	0.00	0.00	0.00
Light	light	0.50	0.50	0.00	0.00	50.00	0.00	0.00	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	152.00	0.00
Light	light	0.50	0.00	0.50	0.00	0.00	292.50	0.00	0.00
Light	light	1.00	0.00	0.00	1.00	0.00	0.00	185.00	0.00
Very Light	light	3.00	3.00	0.00	0.00	129.00	0.00	0.00	0.00
Very Light	light	3.00	3.00	0.00	0.00	99.00	0.00	0.00	0.00
Moderate	light	5.00	0.00	0.00	5.00	0.00	0.00	3855.00	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	55.50	0.00
Very Light	light	1.50	0.00	0.00	1.50	0.00	0.00	1561.50	0.00
Light	light	5.00	0.00	0.00	5.00	0.00	0.00	1680.00	0.00
Light	light	2.00	2.00	0.00	0.00	50.00	0.00	0.00	0.00
Very Light	light	3.00	0.00	0.00	3.00	0.00	0.00	1033.82	0.00
Very Light	light	1.00	0.00	0.00	1.00	0.00	0.00	706.45	0.00
	light	1.00	0.00	0.00	1.00	0.00	0.00	250.47	0.00
	light	1	0	0	1	0.00	0.00	609.41	0.00
	light	1	0	0	1	0.00	0.00	188.60	0.00
	light	1	0	0	1	0.00	0.00	1407.62	0.00
Heavy	moderate	1.00	0.00	1.00	0.00	0.00	204.05	0.00	0.00
Heavy	moderate	1.00	0.00	1.00	0.00	0.00	186.35	0.00	0.00
Heavy	moderate	2.00	0.00	2.00	0.00	0.00	139.55	0.00	0.00
Heavy	moderate	3.50	0.00	1.75	1.75	0.00	683.95	683.95	1954.13
Heavy	moderate	3.00	0.00	0.00	3.00	0.00	0.00	198.29	330.49
Heavy	moderate	3.00	0.00	3.00	0.00	0.00	110.40	0.00	0.00
Light	moderate	1.00	0.00	0.50	0.50	0.00	16.53	16.53	165.29
Light	moderate	1.00	0.00	1.00	0.00	0.00	130.71	0.00	0.00
Heavy	moderate	3.00	0.00	1.50	1.50	0.00	354.02	354.02	1180.06
Heavy	moderate	6.00	0.00	0.00	6.00	0.00	0.00	182.77	152.31
Heavy	moderate	3.00	0.00	0.00	3.00	0.00	0.00	547.80	913.01
Heavy	moderate	3.00	0.00	1.50	1.50	0.00	57.27	57.27	190.90
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	46.78	46.78	116.95
Heavy	moderate	2.00	0.00	1.00	1.00	0.00	17.88	17.88	89.40
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	25.67	128.33
Heavy	moderate	1.00	0.00	0.00	1.00	0.00	0.00	2.04	10.21
Light	moderate	1.00	0.00	1.00	0.00	0.00	193.64	0.00	0.00
Light	moderate	3.00	0.00	3.00	0.00	0.00	604.08	0.00	0.00
Light	moderate	2.00	0.00	1.00	1.00	0.00	22.82	22.82	114.08

220	W-14	W-14I-v	4	3	Apr 13	221	3.00	25.00	0.050	SR
221	W-5	W-5L	10	1	Apr 13	234	6.00	55.00	0.264	FR
222	W-5	W-5M	10-3	1	Apr 13	69	4.00	45.50	0.115	FR
223	W-5	W-5N	3-1	1	Apr 13	36	3.00	40.00	0.050	FR
224	W-5	W-5O	6-3	1	Apr 13	111	2.50	30.00	0.200	FR
225	W-5	W-5P	1	1	Apr 13	70	0.50	70.00	0.050	FR
226	W-5	W-5Q	3-10	1	Apr 13	49	3.00	50.00	0.050	FR
227	W-5	W-5R	3-10	1	Apr 13	49	2.50	30.00	0.050	FR
228	W-5	W-5S	3-10	1	Apr 13	84	3.00	50.00	0.050	FR
229	W-5	W-5T	3-6	1	Apr 13	148	3.00	40.00	0.050	FR
230	W-10	W-10A_1	6	1	Apr 14	324	1.00	35.00	0.500	FR
231	W-10	W-10G_1	7	1	Apr 14	118	1.00	35.00	0.500	FR
232	W-10	W-10I_1	10-4	1	Apr 14	12	2.00	35.00	0.500	FR
233	W-5	W-5aa	10	1	Apr 14	55	2.50	95.00	1.500	FR
234	W-5	W-5b	10	1	Apr 14	578	1.50	65.00	0.500	FR
235	W-5	W-5bb	10	1	Apr 14	100	3.50	35.00	1.500	FR
236	W-5	W-5c	10	1	Apr 14	95	1.50	95.00	0.500	FR
237	W-5	W-5cc	10	1	Apr 14	73	3.00	95.00	1.500	FR
238	W-5	W-5d	10	1	Apr 14	294	1.50	35.00	0.500	FR
239	W-5	W-5dd	10	1	Apr 14	421	1.00	95.00	1.500	FR
240	W-5	W-5e	10	1	Apr 14	145	1.50	95.00	1.500	SR
241	W-5	W-5g	10	1	Apr 14	699	1.50	35.00	0.500	FR
242	W-5	W-5i	10	1	Apr 14	436	1.50	65.00	1.500	FR
243	W-5	W-5j	10	1	Apr 14	634	1.50	65.00	0.500	FR
244	W-5	W-5k	10	1	Apr 14	420	1.50	95.00	1.500	FR
245	W-7	W-7a_1	6-1	1	Apr 14	46	1.50	65.00	0.500	SR
246	W-7	W-7b_1	6-1	1	Apr 14	49	1.50	35.00	0.050	SR
247	W-7	W-7h_1	10-7	1	Apr 14	137	1.50	95.00	1.500	FR
248	W-7	W-7j_1	10-4-7	1	Apr 14	849	1.50	35.00	0.050	FR
249	W-7	W-7l_1	2-10	2	Apr 14	623	3.50	80.00	0.644	AP;FR
250	W-7	W-7n_1	4-7-10	1	Apr 14	29	1.50	65.00	0.050	SR
251	W-7	W-7p_1	7-10	1	Apr 14	652	1.50	65.00	0.050	SR
252	W-8	W-8Fa_1	10	1	Apr 14	91	0.25	35.00	0.050	SR
253	W-8	W-8Fd_1	10	1	Apr 14	61	1.50	35.00	1.500	SR/AP
254	W-8	W-8Ff_1a	10	1	Apr 14	54	1.50	35.00	0.050	SR/AP
255	W-8	W-8Ff_1b	10	1	Apr 14	85	1.50	35.00	0.050	SR/AP
256	W-8	W-8Ga_1	4-10	1	Apr 14	61	1.50	35.00	0.500	SR/AP

Light	moderate	3.00	0.00	3.00	0.00	0.00	662.17	0.00	0.00
Heavy	moderate	6.00	0.00	0.00	6.00	0.00	0.00	1404.00	1170.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	138.00	138.00	345.00
Light	moderate	3.00	0.00	3.00	0.00	0.00	108.00	0.00	0.00
Moderate	moderate	2.50	0.00	2.50	0.00	0.00	277.50	0.00	0.00
Light	moderate	0.50	0.50	0.00	0.00	35.00	0.00	0.00	0.00
Light	moderate	3.00	0.00	1.50	1.50	0.00	73.50	73.50	245.00
Light	moderate	2.50	0.00	1.25	1.25	0.00	61.25	61.25	245.00
Light	moderate	3.00	0.00	1.50	1.50	0.00	126.00	126.00	420.00
Light	moderate	3.00	0.00	3.00	0.00	0.00	444.00	0.00	0.00
Moderate	moderate	1.00	1.00	0.00	0.00	324.00	0.00	0.00	0.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	118.00	590.00
Moderate	moderate	10.00	0.00	5.00	5.00	0.00	60.00	60.00	60.00
Heavy	moderate	2.50	0.00	0.00	2.50	0.00	0.00	137.50	275.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	867.00	2890.00
Heavy	moderate	3.50	0.00	0.00	3.50	0.00	0.00	350.00	500.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	142.50	475.00
Heavy	moderate	3.00	0.00	0.00	3.00	0.00	0.00	219.00	365.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	441.00	1470.00
Heavy	moderate	1.00	0.00	0.00	1.00	0.00	0.00	421.00	2105.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	217.50	725.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	1048.50	3495.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	654.00	2180.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	951.00	3170.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	630.00	2100.00
Heavy	moderate	2.00	2.00	0.00	0.00	92.00	0.00	0.00	0.00
Light	moderate	2.00	2.00	0.00	0.00	98.00	0.00	0.00	0.00
Heavy	moderate	5.00	0.00	0.00	5.00	0.00	0.00	685.00	685.00
Light	moderate	3.00	0.00	1.50	1.50	0.00	1273.50	1273.50	4245.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	1246.00	1246.00	3115.00
Moderate	moderate	3.00	0.00	1.50	1.50	0.00	43.50	43.50	145.00
Moderate	moderate	20.00	0.00	0.00	20.00	0.00	0.00	13040.00	3260.00
Very Light	moderate	0.25	0.00	0.00	0.25	0.00	0.00	22.75	455.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	91.50	305.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	81.00	270.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	127.50	425.00
Moderate	moderate	1.50	0.00	0.75	0.75	0.00	45.75	45.75	305.00

257	W-8	W-8Gb_1	4-10	1	Apr 14	26	0.25	35.00	0.500	SR/AP
258	W-8	W-8Gc_1	4-10	1	Apr 14	59	1.50	35.00	0.500	SR/AP
259	W-8	W-8Gd_1	4-10	1	Apr 14	19	1.50	65.00	1.500	SR/AP
260	W-8	W-8Ge_1	4-10	1	Apr 14	23	1.50	35.00	0.500	SR
261	W-8	W-8Gg_1	4-10	1	Apr 14	92	1.50	35.00	1.500	SR/AP
262	W-8	W-8Gh_1	4-10	1	Apr 14	18	1.50	65.00	1.500	SR/AP
263	W-8	W-8Gi_1	4-10	1	Apr 14	277	1.50	65.00	1.500	SR/AP
264	W-8	W-8Gj_1	4-10	1	Apr 14	247	1.50	35.00	1.500	SR/AP
265	W-8	W-8Gk_1	4-10	1	Apr 14	25	0.25	35.00	0.500	SR
266	W-8	W-8H_1	10	1	Apr 14	184	1.50	35.00	0.500	SR/AP
267	W-9	W-9A_1	4-10	1	Apr 14	84	3.50	35.00	0.500	SR
268	W-9	W-9E_1a	4-10	1	Apr 14	853	1.00	35.00	0.500	FR
269	W-9	W-9E_1b	4-10	1	Apr 14	50	1.00	35.00	0.500	FR
270	W-9	W-9E_1c	4-10	1	Apr 14	104	1.00	35.00	0.500	FR
271	W-9	W-9E_1d	4-10	1	Apr 14	581	1.00	35.00	0.500	FR
272	W-9	W-9F_1	6	1	Apr 14	341	1.00	35.00	0.500	FR
273	W-9	W-9G_1	6	1	Apr 14	106	1.00	35.00	0.500	FR
274	E-2	E-2e_1	4-10	1	Apr 15	649	3.00	35.00	0.500	FR
275	W-11	W-11a_1	11-7	1	Apr 15	273	3.00	40.00	0.050	FR
276	W-6	W-6a_1	1-6-10	1	Apr 15	382	2.00	40.00	0.500	FR
277	W-6	W-6c_1	1-4	1	Apr 15	1048	2.50	75.00	1.500	FR
278	W-8	W-8Aa_1	11	1	Apr 15	224	1.50	60.00	0.500	FR
279	W-8	W-8Ab_1	10	1	Apr 15	347	1.50	40.00	0.050	FR
280	W-8	W-8Ac_1	2	1	Apr 15	194	1.50	15.00	0.050	FR
281	W-8	W-8Bb_1	11	1	Apr 15	367	1.50	60.00	0.500	FR
282	W-8	W-8Dc_1	10	1	Apr 15	85	1.50	35.00	0.050	FR
283	W-8	W-8De_1	10	1	Apr 15	266	1.50	30.00	0.050	FR
284	W-8	W-8Ed_1	11	1	Apr 15	288	1.50	45.00	0.500	FR
285	W-8	W-8Fh_1	1	1	Apr 15	169	1.50	40.00	1.000	FR; AP
286	W-15	W-15b	2	1	Apr 16	293	3.00	15.00	0.500	AP
287	W-15	W-15d	2	1	Apr 16	77	2.00	15.00	0.500	TB
288	W-15	W-15h	6	1	Apr 16	43	2.00	50.00	0.500	FR
289	W-15	W-15n	2	1	Apr 16	314	1.00	15.00	0.500	TB
290	W-15	W-15o	2	1	Apr 16	51	2.00	90.00	1.500	FR
291	W-2	W-2a2	10	1	Apr 16	47	1.50	20.00	0.050	FR
292	W-2	W-2b	4	1	Apr 16	167	2.50	65.00	0.050	FR
293	W-2	W-2bb	10-6	1	Apr 16	83	0.50	35.00	0.050	FR

Light	moderate	0.25	0.00	0.13	0.13	0.00	3.25	3.25	130.00
Moderate	moderate	1.50	0.00	0.75	0.75	0.00	44.25	44.25	295.00
Heavy	moderate	1.50	0.00	0.75	0.75	0.00	14.25	14.25	95.00
Moderate	moderate	1.50	0.00	0.75	0.75	0.00	17.25	17.25	115.00
Moderate	moderate	1.50	0.00	0.75	0.75	0.00	69.00	69.00	460.00
Heavy	moderate	1.50	0.00	0.75	0.75	0.00	13.50	13.50	90.00
Heavy	moderate	1.50	0.00	0.75	0.75	0.00	207.75	207.75	1385.00
Moderate	moderate	1.50	0.00	0.75	0.75	0.00	185.25	185.25	1235.00
Light	moderate	0.25	0.00	0.13	0.13	0.00	3.13	3.13	125.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	276.00	920.00
Heavy	moderate	3.50	0.00	1.75	1.75	0.00	147.00	147.00	420.00
Moderate	moderate	1.00	0.00	0.50	0.50	0.00	426.50	426.50	4265.00
Moderate	moderate	5.00	0.00	2.50	2.50	0.00	125.00	125.00	250.00
Moderate	moderate	3.00	0.00	1.50	1.50	0.00	156.00	156.00	520.00
Moderate	moderate	3.00	0.00	1.50	1.50	0.00	871.50	871.50	2905.00
Moderate	moderate	1.00	1.00	0.00	0.00	341.00	0.00	0.00	0.00
Moderate	moderate	1.00	1.00	0.00	0.00	106.00	0.00	0.00	0.00
Moderate	moderate	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light	moderate	3.00	0.00	0.00	3.00	0.00	0.00	819.00	1365.00
Moderate	moderate	2.00	0.00	0.00	2.00	0.00	0.00	764.00	1910.00
Heavy	moderate	2.50	0.00	2.50	0.00	0.00	2620.00	0.00	0.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	336.00	1120.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	520.50	1735.00
Light	moderate	1.50	0.00	1.50	0.00	0.00	291.00	0.00	0.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	550.50	1835.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	127.50	425.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	399.00	1330.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	432.00	1440.00
Moderate	moderate	1.50	1.50	0.00	0.00	253.50	0.00	0.00	0.00
Moderate	moderate	3.00	0.00	3.00	0.00	0.00	879.00	0.00	0.00
Moderate	moderate	2.00	0.00	2.00	0.00	0.00	154.00	0.00	0.00
Moderate	moderate	2.00	2.00	0.00	0.00	86.00	0.00	0.00	0.00
Moderate	moderate	1.00	0.00	1.00	0.00	0.00	314.00	0.00	0.00
Heavy	moderate	2.00	0.00	2.00	0.00	0.00	102.00	0.00	0.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	70.50	235.00
Moderate	moderate	2.50	0.00	2.50	0.00	0.00	417.50	0.00	0.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	41.50	415.00

294	W-2	W-2c	4-6-10	1	Apr 16	126	2.00	35.00	0.500	FR
295	W-2	W-2cc	10	1	Apr 16	141	0.50	35.00	0.050	FR
296	W-2	W-2d	4-10	1	Apr 16	107	3.00	35.00	0.050	FR
297	W-2	W-2f	10	1	Apr 16	90	0.50	65.00	0.500	FR
298	W-2	W-2h	10	1	Apr 16	108	0.50	35.00	0.050	FR
299	W-2	W-2i	4-10	1	Apr 16	106	2.00	35.00	0.050	FR
300	W-2	W-2j	10	1	Apr 16	66	1.00	65.00	0.050	TB
301	W-2	W-2k	4	1	Apr 16	17	1.00	65.00	0.050	TB
302	W-3	W-3b	10-4	1	Apr 17	64	3.00	25.00	0.140	TB
303	W-3	W-3c	10-4	1	Apr 17	59	4.00	60.00	0.200	TB
304	W-3	W-3e	10-4	1	Apr 17	18	5.00	50.00	0.320	SR
305	W-3	W-3f	4	1	Apr 17	45	0.50	25.00	0.140	TB
306	W-3	W-3g	10-4	1	Apr 17	15	4.00	32.00	0.281	SR;FR
307	W-3	W-3j	4	1	Apr 17	121	1.00	35.00	0.114	TB
308	W-3	W-3k	4	1	Apr 17	59	1.00	17.00	0.235	TB;SR
309	W-3	W-3l	10	1	Apr 17	134	2.00	85.00	0.182	TB;SR
310	W-3	W-3n	4-10	1	Apr 17	58	1.00	35.00	0.500	TB
311	W-3	W-3o	4	1	Apr 17	450	0.50	22.50	0.500	TB;SR
312	W-3	W-3p	4-10	1	Apr 17	114	1.00	30.00	0.200	TB;DB;FR
313	W-3	W-3r	10	1	Apr 17	263	1.00	72.00	0.035	TB;FR
314	W-4	W-4d_2	10-4	1	Apr 17	111	1.00	15.00	0.050	FR
315	NW-1	NW-1d	4-10	1	Apr 18	456	1.00	29.00	0.090	TB;SR
316	W-4	W-4e_2	4-10	2	Apr 18	272	4.00	60.00	0.200	SR
317	E-4	E-4Ea_1	10	1	Apr 19	103	0.50	30.00	0.020	TB
318	E-4	E-4Eb_1	10	1	Apr 19	90	2.00	47.50	0.370	TB;SR
319	W-9	W-9Ba_2	10-4	2	Apr 19	61	4.00	100.00	0.140	FR;TB
320	W-9	W-9Bb_2	10-4	2	Apr 19	39	1.00	80.00	0.163	FR;TB
321	W-9	W-9Bc_2	10	2	Apr 19	110	1.00	60.00	0.050	FR
322	W-9	W-9Bd_2	10	2	Apr 19	127	3.00	80.00	0.163	FR;TB
323	W-9	W-9C_2	10-6	2	Apr 19	64	1.00	100.00	0.030	
324	W-9	W-9Da_2	4-10	2	Apr 19	61	3.00	70.00	0.114	FR;TB
325	W-9	W-9Db_2	4	2	Apr 19	114	2.00	100.00	0.400	SR
326	W-9	W-9Dc_2	10	2	Apr 19	115	1.00	15.00	0.050	FR;TB
327	W-9	W-9Df_2	10	2	Apr 19	88	4.00	85.00	0.235	TB;SR
328	W-9	W-9Ef_2	10	2	Apr 19	189	3.50	50.00	0.500	TB
329	W-9	W-9Eh_2	11	2	Apr 19	148	5.00	40.00	1.500	AP
330	W-9	W-9Ej_2	10	2	Apr 19	67	1.00	72.00	0.204	TB;SR

Moderate	moderate	2.00	0.00	1.00	1.00	0.00	126.00	126.00	630.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	70.50	705.00
Light	moderate	3.00	0.00	1.50	1.50	0.00	160.50	160.50	535.00
Moderate	moderate	0.50	0.00	0.00	0.50	0.00	0.00	45.00	450.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	54.00	540.00
Light	moderate	2.00	0.00	1.00	1.00	0.00	106.00	106.00	530.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	66.00	330.00
Moderate	moderate	1.00	0.00	1.00	0.00	0.00	17.00	0.00	0.00
Moderate	moderate	3.00	0.00	1.50	1.50	0.00	96.00	96.00	320.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	118.00	118.00	295.00
Heavy	moderate	5.00	0.00	2.50	2.50	0.00	45.00	45.00	90.00
Light	moderate	0.50	0.00	0.50	0.00	0.00	22.50	0.00	0.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	30.00	30.00	75.00
Moderate	moderate	1.00	0.00	1.00	0.00	0.00	121.00	0.00	0.00
Moderate	moderate	1.00	0.00	1.00	0.00	0.00	59.00	0.00	0.00
Heavy	moderate	2.00	0.00	0.00	2.00	0.00	0.00	268.00	670.00
Moderate	moderate	1.00	0.00	0.50	0.50	0.00	29.00	29.00	290.00
Light	moderate	0.50	0.00	0.50	0.00	0.00	225.00	0.00	0.00
Moderate	moderate	1.00	0.00	0.50	0.50	0.00	57.00	57.00	570.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	263.00	1315.00
Light	moderate	1.00	0.00	0.50	0.50	0.00	55.50	55.50	555.00
Light	moderate	1.00	0.00	0.50	0.50	0.00	228.00	228.00	2280.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	544.00	544.00	1360.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	51.50	515.00
Moderate	moderate	2.00	0.00	0.00	2.00	0.00	0.00	180.00	450.00
Heavy	moderate	4.00	0.00	2.00	2.00	0.00	122.00	122.00	305.00
Heavy	moderate	2.50	0.00	1.25	1.25	0.00	48.75	48.75	195.00
Moderate	moderate	2.50	0.00	0.00	2.50	0.00	0.00	275.00	550.00
Heavy	moderate	3.00	0.00	0.00	3.00	0.00	0.00	381.00	635.00
Moderate	moderate	1.00	0.00	0.50	0.50	0.00	32.00	32.00	320.00
Heavy	moderate	3.00	0.00	1.50	1.50	0.00	91.50	91.50	305.00
Heavy	moderate	2.00	0.00	2.00	0.00	0.00	228.00	0.00	0.00
Light	moderate	1.50	0.00	0.00	1.50	0.00	0.00	172.50	575.00
Heavy	moderate	4.00	0.00	0.00	4.00	0.00	0.00	352.00	440.00
Heavy	moderate	3.50	0.00	0.00	3.50	0.00	0.00	661.50	945.00
Heavy	moderate	5.00	0.00	0.00	5.00	0.00	0.00	740.00	740.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	100.50	335.00

331	W-9	W-9Ek_2	10	2	Apr 19	100	1.00	80.00	0.153	
332	W-9	W-9EI_2	10	2	Apr 19	207	4.00	100.00	0.410	SR
333	W-10	W-10D1_2	10-4	2	Apr 20	40	0.50	50.00	0.402	SR
334	W-10	W-10D3_2	10	2	Apr 20	42	0.50	12.50	0.140	SR
335	W-10	W-10E2_2	10	2	Apr 20	42	0.30	15.00	0.023	TB
336	W-10	W-10F1_2	7	2	Apr 20	65	4.00	65.00	0.085	
337	W-10	W-10G1_2	10-4	2	Apr 20	18	1.00	16.00	0.078	TB
338	W-10	W-10G3_2	7	2	Apr 20	11	3.00	65.00	0.085	FR;TB
339	W-10	W-10H2_2	10-4	2	Apr 20	72	1.00	70.00	0.114	FR;TB
340	W-10	W-10K1_2	10-2	2	Apr 20	78	2.00	40.00	0.050	
341	W-10	W-10N1_2	4-7	2	Apr 20	15	2.00	20.00	0.050	
342	W-10	W-10O2_2	7	2	Apr 20	21	1.00	25.00	0.140	TB
343	W-10	W-10O3_2	4-10	2	Apr 20	186	1.00	20.00	0.163	TB;FR
344	W-10	W-10Q1_2	8	2	Apr 20	56	3.00	41.00	0.305	FR;SR
345	W-10	W-10Q2_2	8	2	Apr 20	75	4.00	90.00	0.894	FR
346	W-10	W-10Q4_2	8	2	Apr 20	25	6.00	90.00	0.350	FR;SR
347	W-14	W-14C	6	1	Apr 20	54	3.00	41.00	0.415	TB;SR
348	W-14	W-14D	10	1	Apr 20	231	0.50	30.00	0.200	TB
349	W-6	W-6A1_2	1-6-10	2	Apr 20	22	1.50	100.00	0.353	
350	E-4	E-4Ec_2	10	2	Apr 22	253	1.00	16.00	0.050	SR;TB
351	E-4	E-4Ed_2	10	2	Apr 22	241	1.00	16.00	0.050	TB
352	E-4	E-4Ee_2	10	2	Apr 22	123	1.00	22.00	0.058	TB;SR
353	E-4	E-4Eg_2	10	2	Apr 22	17	0.50	95.00	0.553	TB;SR
354	E-4	E-4Ej_2	10	2	Apr 22	20	3.00	18.00	0.032	TB;SR
355	W-8	W-8C02_2	10	2	Apr 23	98	1.00	28.00	0.075	TB;SR
356	W-8	W-8C03_2	10	2	Apr 23	109	3.00	11.00	0.073	TB
357	W-8	W-8C06_2	5-10	2	Apr 23	67	1.00	85.00	0.233	TB;SR
358	W-8	W-8C07_2	10	2	Apr 23	414	7.50	100.00	0.041	TB;SR
359	W-8	W-8C08_2	4-10	2	Apr 23	55	3.00	86.50	0.119	
360	W-8	W-8C09_2	10	2	Apr 23	71	0.50	48.00	0.136	
361	W-8	W-8C13_2	11	2	Apr 23	81	1.00	20.00	0.153	TB;SR
362	W-8	W-8C14_2	4-11	2	Apr 23	179	0.50	15.00	0.187	TB;SR
363	W-8	W-8D02_2	11	2	Apr 23	223	0.50	11.00	0.034	TB
364	W-8	W-8D08_2	10	2	Apr 23	131	1.50	35.00	0.224	TB;SR
365	W-8	W-8D12_2	10	2	Apr 23	99	1.00	25.00	0.140	TB;SR
366	W-8	W-8E01_2	10	2	Apr 23	251	0.50	11.00	0.091	TB;SR
367	W-8	W-8E03_2	10	2	Apr 23	46	1.00	19.50	0.179	TB;SR

Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	150.00	500.00
Heavy	moderate	4.00	0.00	0.00	4.00	0.00	0.00	828.00	1035.00
Light	moderate	1.00	0.00	0.50	0.50	0.00	20.00	20.00	200.00
Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	21.00	210.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	21.00	210.00
Moderate	moderate	4.00	0.00	0.00	4.00	0.00	0.00	260.00	325.00
Light	moderate	1.00	0.00	0.50	0.50	0.00	9.00	9.00	90.00
Moderate	moderate	3.00	0.00	0.00	3.00	0.00	0.00	33.00	55.00
Heavy	moderate	1.00	0.00	0.50	0.50	0.00	36.00	36.00	360.00
Light	moderate	2.00	0.00	1.00	1.00	0.00	78.00	78.00	390.00
Light	moderate	2.00	0.00	1.00	1.00	0.00	15.00	15.00	75.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	21.00	105.00
Moderate	moderate	1.00	0.00	0.50	0.50	0.00	93.00	93.00	930.00
Moderate	moderate	3.00	0.00	0.00	3.00	0.00	0.00	168.00	280.00
Heavy	moderate	4.00	0.00	0.00	4.00	0.00	0.00	300.00	375.00
Heavy	moderate	6.00	0.00	0.00	6.00	0.00	0.00	150.00	125.00
Moderate	moderate	3.00	3.00	0.00	0.00	162.00	0.00	0.00	0.00
Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	115.50	1155.00
Heavy	moderate	1.50	0.00	0.00	1.50	0.00	0.00	33.00	110.00
Light	moderate	2.00	0.00	0.00	2.00	0.00	0.00	506.00	1265.00
Light	moderate	1.00	0.00	0.00	1.00	0.00	0.00	241.00	1205.00
Light	moderate	1.00	0.00	0.00	1.00	0.00	0.00	123.00	615.00
Moderate	moderate	0.50	0.00	0.00	0.50	0.00	0.00	8.50	85.00
Light	moderate	3.00	0.00	0.00	3.00	0.00	0.00	60.00	100.00
Light	moderate	1.00	0.00	0.00	1.00	0.00	0.00	98.00	490.00
Light	moderate	3.00	0.00	0.00	3.00	0.00	0.00	327.00	545.00
Heavy	moderate	1.00	0.00	0.50	0.50	0.00	33.50	33.50	335.00
Moderate	moderate	7.50	0.00	0.00	7.50	0.00	0.00	3105.00	2070.00
Heavy	moderate	3.00	0.00	1.50	1.50	0.00	82.50	82.50	275.00
Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	35.50	355.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	81.00	405.00
Light	moderate	0.50	0.00	0.25	0.25	0.00	44.75	44.75	895.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	111.50	1115.00
Moderate	moderate	1.50	0.00	0.00	1.50	0.00	0.00	196.50	655.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	99.00	495.00
Very Light	moderate	0.50	0.00	0.00	0.50	0.00	0.00	125.50	1255.00
Moderate	moderate	1.00	0.00	0.00	1.00	0.00	0.00	46.00	230.00

368	W-11	W-11J_2	4-10	2	Apr 24	26	2.00	22.00	0.091	SR
369	W-7	W-7E_2	6	2	Apr 24	14	1.00	20.00	0.050	TB
370	W-7	W-7G_2	10	2	Apr 24	230	4.00	43.00	1.399	
371	W-7	W-7H_2	7	2	Apr 24	137	5.00	50.50	0.510	
372	E-3	E-3a_v	4	3	Apr 10	52	1.00	50.00	0.5	FR
373	E-3	E-3b1_v	10-7	3	Apr 10	88	1.00	90.00	0.5	FR
374	E-3	E-3b2_v	10-7	3	Apr 10	35	2.00	100.00	1.1	FR
375	E-3	E-3c_v	1	3	Apr 10	254	1.00	80.00	1.1	FR
376	E-3	E-3d1_v	1	3	Apr 10	22	1.00	90.00	1.1	FR
377	E-3	E-3d2_v	6	3	Apr 10	62	1.50	100.00	1.1	FR
378	E-3	E-3e1_v	6	3	Apr 10	81	1.50	90.00	1.1	FR
379	E-3	E-3e2_v	4	3	Apr 10	126	2.00	100.00	1.1	FR
380	E-3	E-3e3_v	4-6	3	Apr 10	67	2.00	100.00	1.1	FR
381	E-3	E-3e4_v	6	3	Apr 10	51	1.50	100.00	1.1	FR
382	E-3	E-3f_v	4	3	Apr 10	268	3.00	100.00	1.1	FR
383	E-3	E-3g_v	4	3	Apr 10	182	3.00	80.00	1.1	FR
384	E-3	E-3h_v	4	3	Apr 10	29	3.00	100.00	1.1	FR
385	E-3	E-3i_v	4	3	Apr 10	77	3.00	100.00	1.1	FR
386	E-3	E-3j_v	4	3	Apr 10	144	3.00	100.00	1.1	FR
387	E-4	E-4a_v	4	3	Apr 10	247	4.00	100.00	1.1	FR
388	E-4	E-4b_v	4	3	Apr 10	204	4.00	90.00	1.1	FR
389	E-4	E-4c_v	4	3	Apr 10	476	3.00	100.00	1.1	FR
390	E-4	E-4d_v	4	3	Apr 10	68	3.50	75.00	0.5	FR
391	E-5	E-5d1_v	4	3	Apr 10	149	3.00	51.00	0.5	FR
392	E-5	E-5d2_v	4-10	3	Apr 10	138	1.00	50.00	0.5	FR
393	E-5	E-5d3_v	4-6	3	Apr 10	64	1.50	51.00	0.5	FR
394	E-5	E-5d4_v	6-1	3	Apr 10	29	1.00	50.00	0.5	FR
395	E-5	E-5d5_v	1	3	Apr 10	307	0.50	50.00	0.05	FR
396	E-5	E-5d6_v	4	3	Apr 10	472	1.50	51.00	0.5	FR
397	E-5	E-5e_v	4	3	Apr 10	135	4.00	51.00	0.5	FR
398	E-5	E-5f_v	1-4	3	Apr 10	309	1.00	51.00	0.5	FR
399	E-7	E-7c_v	1	3	Apr 13	30	0.00	0.00	0.000	NO
400	E-7	E-7d_v	4-10	3	Apr 13	69	0.00	0.00	0.000	NO
401	E-7	E-7e_v	6	3	Apr 13	134	0.00	0.00	0.000	NO
402	E-7	E-7f_v	1	3	Apr 13	179	0.00	0.00	0.000	NO
403	E-7	E-7g_v	4	3	Apr 13	46	0.00	0.00	0.000	NO
404	E-7	E-7h_v	4-10	3	Apr 13	274	0.00	0.00	0.000	NO

405	E-7	E-7i_v	10	3	Apr 13	197	0.00	0.00	0.000	NO
406	E-8	E-8C_v	10-7	3	Apr 13	20	0.00	0.00	0.000	NO
407	E-8	E-8E_v	10-7	3	Apr 13	161	0.00	0.00	0.000	NO
408	W-4	W-4a_1	4-10	1	Apr 14	225	1.00	0.00	0.000	
409	W-4	W-4Ca_1	4-10	1	Apr 14	754	1.00	0.00	0.000	
410	W-4	W-4Cb_1	4-10	1	Apr 14	327	1.00	0.00	0.000	
411	W-4	W-4e_1	4-10	1	Apr 14	1630	1.00	0.00	0.000	
412	W-4	W-4f_1	4-10	1	Apr 14	2798	1.00	0.00	0.000	
413	E-10	E-10A	9-10	1	Apr 15	309	0.00	0.00	0.000	
414	E-10	E-10B	1-6	1	Apr 15	397	0.00	0.00	0.000	
415	E-10	E-10C	1	1	Apr 15	484	0.00	0.00	0.000	
416	E-10	E-10D	3	1	Apr 15	757	0.00	0.00	0.000	
417	E-10	E-10E	9-10	1	Apr 15	225	0.00	0.00	0.000	
418	E-10	E-10F	3	1	Apr 15	114	0.00	0.00	0.000	
419	E-10	E-10G	1	1	Apr 15	843	0.00	0.00	0.000	
420	E-10	E-10I	9-10	1	Apr 15	485	0.00	0.00	0.000	
421	E-11	E-11A	7-10	1	Apr 15	170	0.00	0.00	0.000	
422	E-11	E-11B	3	1	Apr 15	70	0.00	0.00	0.000	
423	E-11	E-11C	7-10	1	Apr 15	175	0.00	0.00	0.000	
424	E-11	E-11D	3	1	Apr 15	299	0.00	0.00	0.000	
425	E-11	E-11F	3	1	Apr 15	123	0.00	0.00	0.000	
426	E-11	E-11G	7-10	1	Apr 15	1699	0.00	0.00	0.000	
427	E-11	E-11H	1	1	Apr 15	346	0.00	0.00	0.000	
428	E-11	E-11I	3	1	Apr 15	55	0.00	0.00	0.000	
429	E-11	E-11J	1	1	Apr 15	129	0.00	0.00	0.000	
430	E-11	E-11L	1	1	Apr 15	140	0.00	0.00	0.000	
431	E-11	E-11M	3-4	1	Apr 15	559	0.00	0.00	0.000	
432	E-11	E-11N	6	1	Apr 15	143	0.00	0.00	0.000	
433	E-11	E-11O	7-10	1	Apr 15	216	0.00	0.00	0.000	
434	E-11	E-11P	2	1	Apr 15	149	0.00	0.00	0.000	
435	E-11	E-11Q	7-10	1	Apr 15	359	0.00	0.00	0.000	
436	E-5	E-5aa	6	1	Apr 15	3226	0.00	0.00	0.000	
437	E-5	E-5ab	6	1	Apr 15	129	0.00	0.00	0.000	
438	E-5	E-5b	6	1	Apr 15	901	0.00	0.00	0.000	
439	E-5	E-5c	10	1	Apr 15	410	0.00	0.00	0.000	
440	E-6	E-6a	4	1	Apr 15	2593	0.00	0.00	0.000	
441	E-7	E-7a	4	1	Apr 15	2428	0.00	0.00	0.000	

442	E-7	E-7b	11	1	Apr 15	3397	0.00	0.00	0.000	
443	E-8	E-8Ba		1	Apr 15	5803	0.00	0.00	0.000	
444	E-8	E-8Bb		1	Apr 15	894	0.00	0.00	0.000	
445	E-9	E-9A	2	1	Apr 15	70	0.00	0.00	0.000	
446	E-9	E-9B	6	1	Apr 15	196	0.00	0.00	0.000	
447	E-9	E-9D	9-10	1	Apr 15	241	0.00	0.00	0.000	
448	E-9	E-9E	1	1	Apr 15	503	0.00	0.00	0.000	
449	E-9	E-9F	2	1	Apr 15	559	0.00	0.00	0.000	
450	W-11	W-11C_1	11-7	1	Apr 15	964	0.00	0.00	0.000	
451	E-12	E-12a	10	0	Apr 16	428	0.00	0.00	0.000	
452	E-12	E-12b	4	0	Apr 16	746	0.00	0.00	0.000	
453	E-12	E-12c	6	0	Apr 16	2326	0.00	0.00	0.000	
454	E-12	E-12d	10	0	Apr 16	241	0.00	0.00	0.000	
455	E-12	E-12e	6	0	Apr 16	280	0.00	0.00	0.000	
456	E-12	E-12f	4	0	Apr 16	96	0.00	0.00	0.000	
457	E-12	E-12g	6	0	Apr 16	80	0.00	0.00	0.000	
458	E-12	E-12h	10	0	Apr 16	90	0.00	0.00	0.000	
459	E-12	E-12i	10-6	0	Apr 16	111	0.00	0.00	0.000	
460	E-12	E-12j	4-7	0	Apr 16	466	0.00	0.00	0.000	
461	E-12	E-12k	4-10	0	Apr 16	798	0.00	0.00	0.000	
462	W-15	W-15t_v	6	3	Apr 16	33	0.00	0.00	0.000	NO
463	W-15	W-15u_v	2	3	Apr 16	174	0.00	0.00	0.000	NO
464	W-15	W-15v_v	2-6	3	Apr 16	176	0.00	0.00	0.000	NO
465	E-13	E-13a	6	1	Apr 17	162	1.00	0.00	0.000	
466	E-13	E-13b	4	1	Apr 17	109	1.00	0.00	0.000	
467	E-13	E-13c	6-1	1	Apr 17	596	1.00	0.00	0.000	
468	E-13	E-13d	4-6-9	1	Apr 17	202	1.00	0.00	0.000	
469	E-13	E-13e	4-6-10	1	Apr 17	1844	1.00	0.00	0.000	
470	E-13	E-13g	6	1	Apr 17	450	1.00	0.00	0.000	
471	E-13	E-13h	4-10	1	Apr 17	786	1.00	0.00	0.000	
472	E-13	E-13i	6	1	Apr 17	90	1.00	0.00	0.000	
473	E-13	E-13j	4-7	1	Apr 17	591	1.00	0.00	0.000	
474	E-14	E-14a	4	1	Apr 17	368	1.00	0.00	0.000	
475	E-14	E-14b	1	1	Apr 17	415	1.00	0.00	0.000	
476	E-14	E-14c	4	1	Apr 17	287	1.00	0.00	0.000	
477	E-14	E-14d	1-10	1	Apr 17	254	1.00	0.00	0.000	
478	E-14	E-14e	10-7	1	Apr 17	825	1.00	0.00	0.000	

479	E-14	E-14f	6	1	Apr 17	94	1.00	0.00	0.000	
480	E-14	E-14g	10-7-4	1	Apr 17	580	1.00	0.00	0.000	
481	E-14	E-14h	6	1	Apr 17	442	1.00	0.00	0.000	
482	E-14	E-14i	10-1	1	Apr 17	413	1.00	0.00	0.000	
483	E-14	E-14j	1-10-8	1	Apr 17	135	1.00	0.00	0.000	
484	E-14	E-14ka	10-1	1	Apr 17	1344	1.00	0.00	0.000	
485	E-14	E-14kb	10-1	1	Apr 17	1071	1.00	0.00	0.000	
486	E-14	E-14l	1-6	1	Apr 17	171	1.00	0.00	0.000	
487	E-14	E-14m	4-10	1	Apr 17	840	1.00	0.00	0.000	
488	E-14	E-14n	1-6-4	1	Apr 17	3002	1.00	0.00	0.000	
489	E-14	E-14o	6-1	1	Apr 17	820	1.00	0.00	0.000	
490	E-14	E-14p	10-7-6-1	1	Apr 17	1595	1.00	0.00	0.000	
491	E-15	E-15a	4	1	Apr 17	522	1.00	0.00	0.000	
492	E-15	E-15b	4	1	Apr 17	2806	1.00	0.00	0.000	
493	W-19	W-19a	4	1	Apr 17	248	1.00	0.00	0.000	
494	W-19	W-19b	4-10-1-6	1	Apr 17	673	1.00	0.00	0.000	
495	W-19	W-19c	4	1	Apr 17	36	1.00	0.00	0.000	
496	W-19	W-19d	1	1	Apr 17	26	1.00	0.00	0.000	
497	W-19	W-19e	4	1	Apr 17	30	1.00	0.00	0.000	
498	W-19	W-19f		1	Apr 17	1143	0.00	0.00	0.000	
499	W-19	W-19g		1	Apr 17	1308	0.00	0.00	0.000	
500	W-19	W-19h		1	Apr 17	259	0.00	0.00	0.000	
501	W-19	W-19i		1	Apr 17	989	0.00	0.00	0.000	
502	W-19	W-19j		1	Apr 17	172	0.00	0.00	0.000	
503	W-19	W-19k		1	Apr 17	171	0.00	0.00	0.000	
504	E-1	E-1a_2	10	2	Apr 18	5005	1.00	0.00	0.000	
505	NE-1	NE-1a	10	1	Apr 18	2652	1.00	0.00	0.000	
506	NW-2	NW-2a	4-10	1	Apr 18	1413	0.00	0.00	0.000	
507	NW-3	NW-3a	4-10	1	Apr 18	2883	0.00	0.00	0.000	
508	W-16	W-16a		1	Apr 18	1541	0.00	0.00	0.000	
509	W-16	W-16b		1	Apr 18	496	0.00	0.00	0.000	
510	W-17	W-17		1	Apr 18	3087	0.00	0.00	0.000	
511	W-18	W-18		1	Apr 18	7223	0.00	0.00	0.000	
512	E-2	E-2a_2	6-4-7	2	Apr 19	1162	0.00	0.00	0.000	
513	E-2	E-2b_2	4	2	Apr 19	1593	0.00	0.00	0.000	
514	W-10	W-10D2_2	10-4	2	Apr 20	89	0.00	0.00	0.000	
515	W-10	W-10H1_2	4	2	Apr 20	51	0.00	0.00	0.000	

516	W-10	W-10N2_2	4	2	Apr 20	32	0.00	0.00	0.000	No
517	W-10	W-10P1_2	4	2	Apr 20	509	0.00	0.00	0.000	No
518	W-13	W-13I	4	1	Apr 20	19	0.00	0.00	0.000	TB
519	W-13	W-13Ka	4	1	Apr 20	261	0.00	0.00	0.000	No
520	W-13	W-13Kb	4	1	Apr 20	79	0.00	0.00	0.000	No
521	W-13	W-13N	4	1	Apr 20	24	0.00	0.00	0.000	No
522	W-13	W-13P	1	1	Apr 20	266	0.00	0.00	0.000	No
523	W-20	W-20A	4	2	Apr 21	571	0.00	0.00	0.000	
524	W-20	W-20B	10	2	Apr 21	87	0.00	0.00	0.000	
525	W-20	W-20C	4	2	Apr 21	278	0.00	0.00	0.000	
526	W-20	W-20D	10	2	Apr 21	125	0.00	0.00	0.000	
527	W-20	W-20E	1	2	Apr 21	2081	0.00	0.00	0.000	
528	W-20	W-20F	4	2	Apr 21	313	0.00	0.00	0.000	
529	E-4	E-4EI_2	10	2	Apr 22	173	0.00	0.00	0.000	
530	W-1	W-1S	7	1	Apr 22	1289	0.00	0.00	0.000	
531	W-1	W-1T	7	1	Apr 22	1408	0.00	0.00	0.000	
532	W-11	W-11M_2	7-10	2	Apr 24	164	0.00	0.00	0.000	
533	W-11	W-11U_2	4	2	Apr 24	62	0.00	0.00	0.000	
534	W-11	W-11W_2	1	2	Apr 24	126	0.00	0.00	0.000	No
535	W-11	W-11X_2	4	2	Apr 24	57	0.00	0.00	0.000	No
536	W-11	W-11Y_2	2	2	Apr 24	50	0.00	0.00	0.000	No
537	W-12	W-12D	4	1	Apr 24	226	0.00	0.00	0.000	
538	W-12	W-12F	2	1	Apr 24	123	0.25	0.00	0.000	
539	W-13	W-13R	4	1	Apr 24	83	0.00	0.00	0.000	
540	W-13	W-13V	4	1	Apr 24	142	0.00	0.00	0.000	

Notes:

NRDAoil is a combination of Appendix 1A and Appendix 1B

NRDAoil is the same as the spreadsheet found in "Summary of SCAT Activities and Data Management: Swanson Creek Incident" with the following exceptions
Columns L through R are added.

NRDA 10% category is an assigned oiling category based on the SCAT data.
If the distribution is greater than 10% and the thickness of oil is greater than .01 then a category of heavy was assigned for locations inside Swanson Creek and a category of moderate was assigned everywhere else.

All other areas with oiling were assigned to the light category

Maximum oiling widths are added.

The maximum width is the maximum width of the oiled band reported at any survey for that segment.

The segments where the width was changed are highlighted in blue.

The maximum widths are used to calculate acreage.

The width of each shoreline type is the maximum width except where multiple habitat types are present.

Where more than one habitat type is present no width is assigned to the manmade category.

Where both beach and marsh habitat types are present, half the width is assigned to each category.

ESI codes 1&6 = manmade; 2-5 and 9 = beaches; 7&8, 10&11 = marsh

6 new sections have been added as rows to the spreadsheet

NRD5-PC, NRD4-IC, NRD3-CC and NRD6-THC were areas upstream of SCAT coverage where oiling was observed. These areas were assigned a light oiling category and a 1 meter width.

NRD2-SC and NRD1-SC are islands in Swanson Creek with no SCAT info. They were assigned a heavy oiling category and a width equal to section W1X (3meters)

W1Y, W1Z, W1AA, W1BB, W1GG, W1DD (colored yellow) have widths changed to 0 because they are part of the interior oiling maps.

W1DD has width changed to 5 meters because there is partial overlap with interior oiling. The width was changed to the width of adjacent parcel W1CC and the length was reduced by the amount of overlap. The width was originally 200 meters.

W1CC, W1DD, W1FF and W2V had lengths (red cells) reduced by the amount of overlap with interior oiling polygons

E-2e_1 and E-2d_1 have width changed to 0 (colored yellow) because they were retained by mistake in the SCAT spreadsheets. The segment was replaced by segments from video surveys which showed heavier oiling.

A 5 meter Transition area has been added to areas of moderate and heavy oiling adjacent to oiled shoreline mars
These Shoreline Transition Areas will be considered light oiling.

"Sorted" sheet is MaxoilCat sorted by NRDA Oiling Category with acreages calculated in Cells W1 - W19.

APPENDIX 2
Shoreline Oiling by Habitat

Heavy Shoreline Oiling by Habitat Type

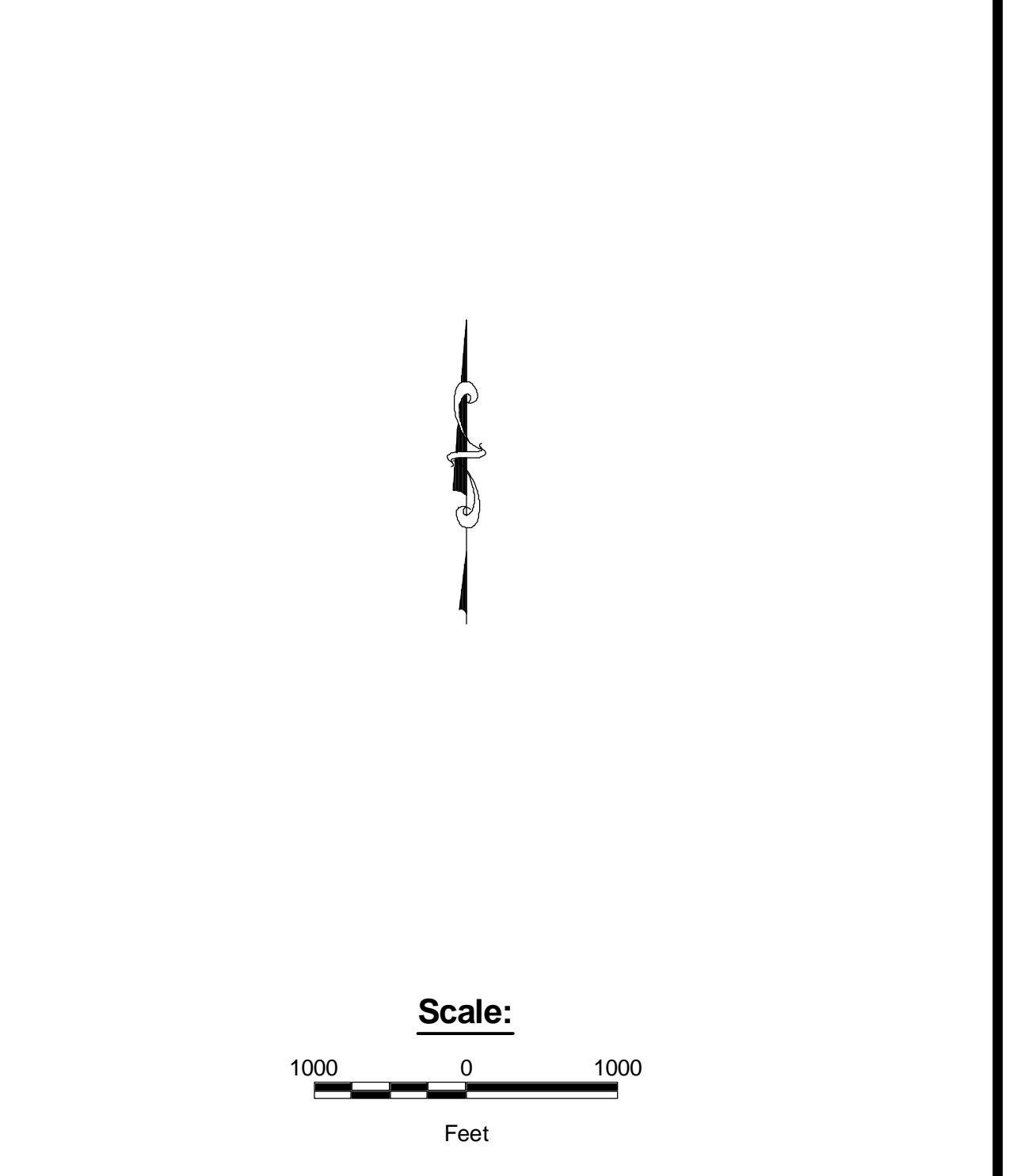
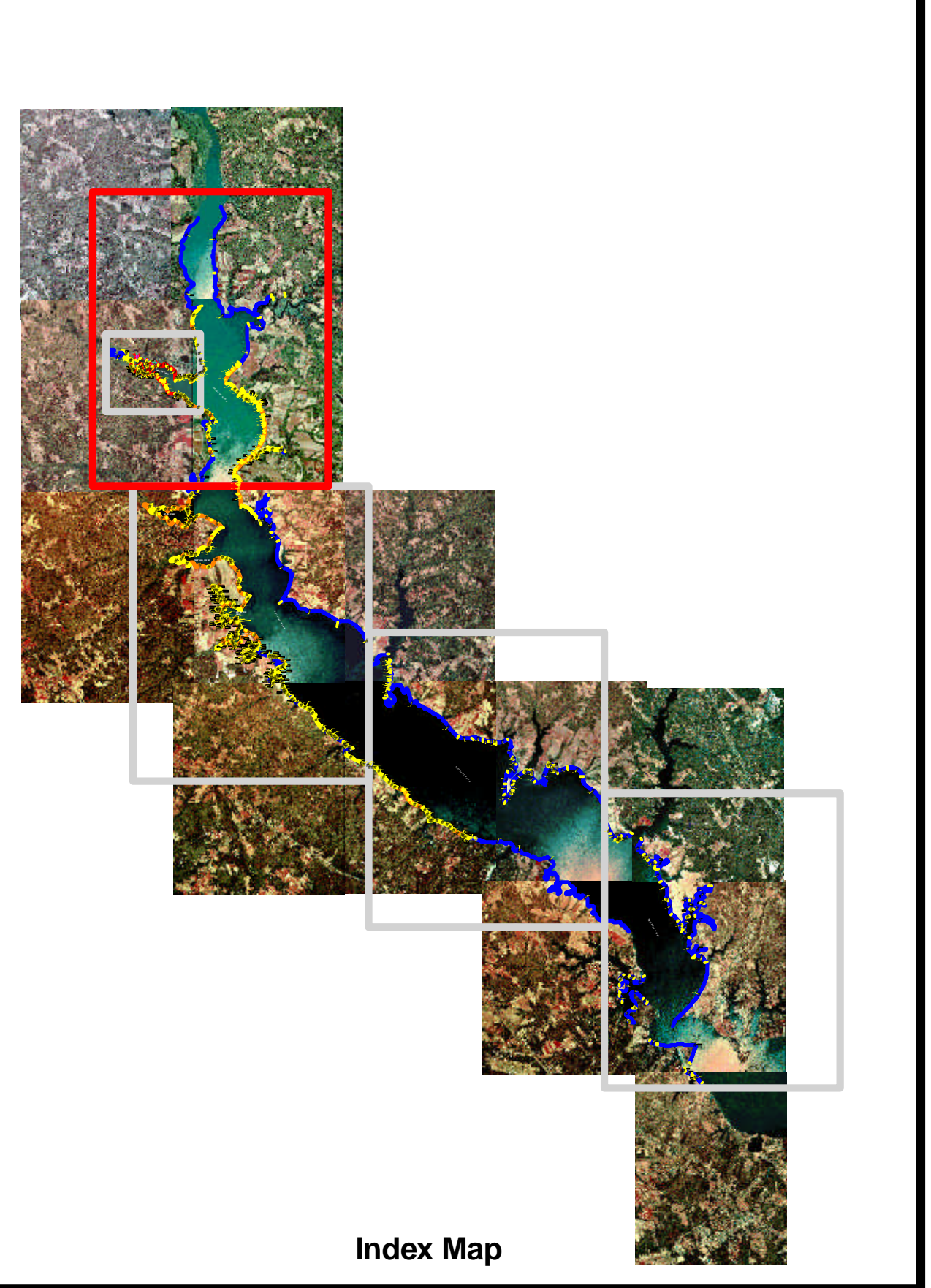
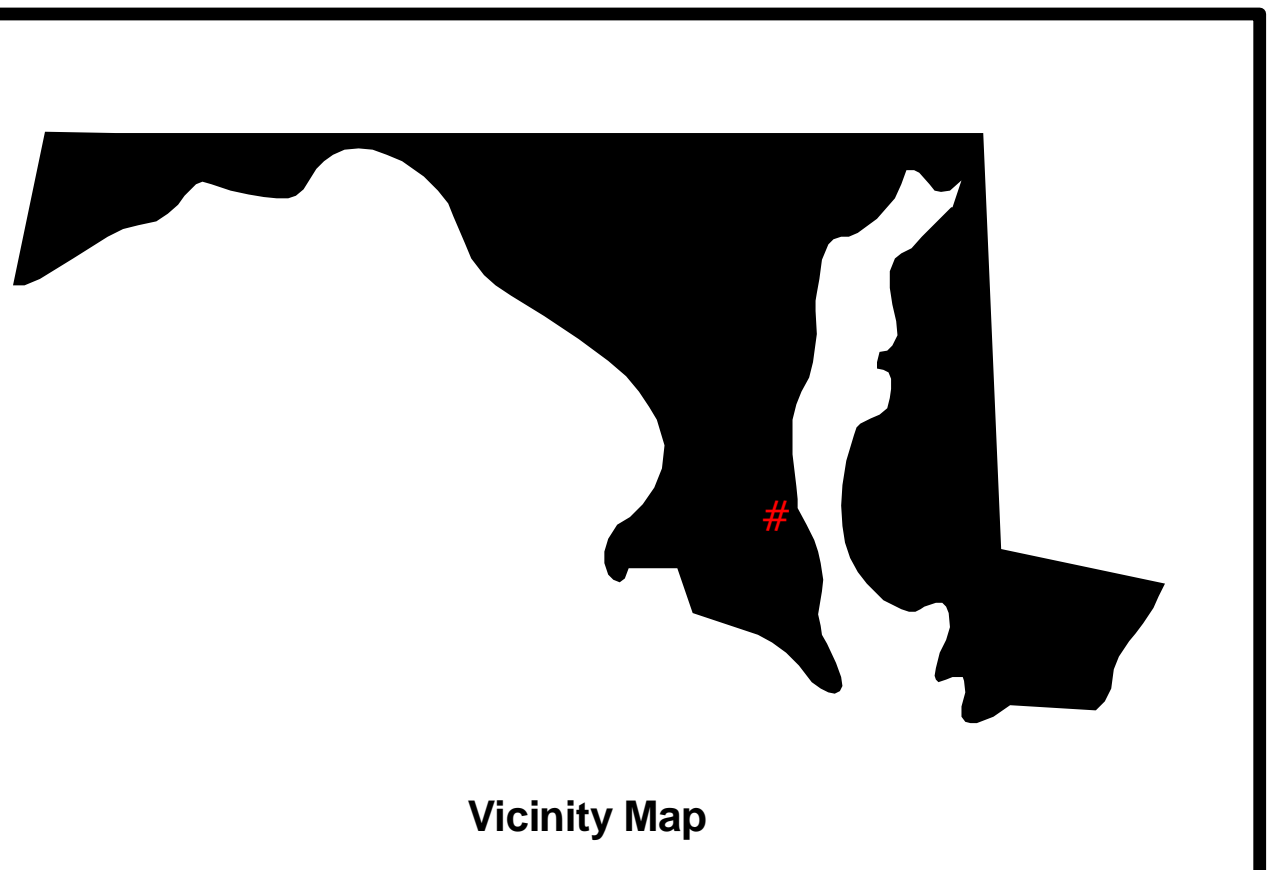
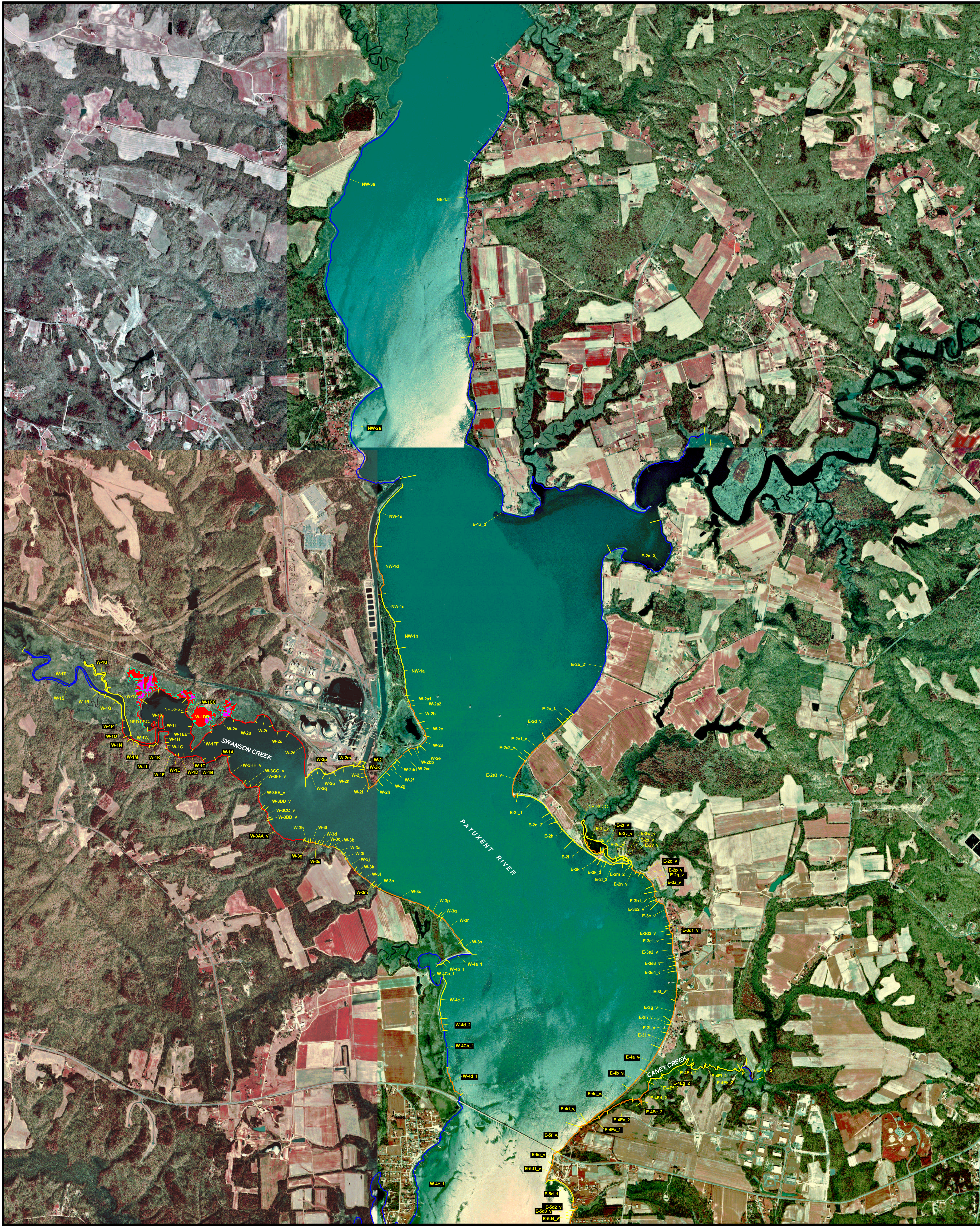
HABITAT TYPE	ACRES
Unknown Habitat	0.0000
<i>Spartina alterniflora</i>	0.1466
<i>Spartina alterniflora</i> / <i>Iva frutescans</i>	0.0780
<i>Spartina alterniflora</i> / <i>Spartina cynosuroides</i>	0.4077
<i>Spartina alterniflora</i> / <i>Typha</i> spp.	0.6147
<i>S. alterniflora</i> Total	1.2470
<i>Spartina cynosuroides</i>	1.1566
<i>Spartina cynosuroides</i> / <i>Spartina alterniflora</i>	0.2350
<i>S. cynosuroides</i> Total	1.3916
<i>Spartina</i> spp.	0.5402
<i>Typha</i> spp.	0.0865
<i>Typha</i> spp. / <i>Spartina cynosuroides</i>	0.0699
<i>Typha</i> spp.	0.1564
TOTAL	3.3352

Moderate Shoreline Oiling by Habitat

HABITAT TYPE	ACRES
Unknown Habitat	1.1258
<i>Iva frutescans</i>	0.2244
<i>Iva frutescans</i> / <i>Spartina alterniflora</i>	0.0000
<i>Iva</i> spp. Total	0.2244
<i>Phragmites communis</i>	0.5724
<i>Phragmites communis</i> / <i>Iva frutescans</i>	0.0000
<i>Phragmites communis</i> / <i>Spartina alterniflora</i>	0.1049
<i>Phragmites</i> spp. Total	0.6773
<i>Spartina alterniflora</i>	1.5338
<i>Spartina alterniflora</i> / <i>Iva frutescans</i>	4.4399
<i>Spartina alterniflora</i> / <i>Iva frutescans</i> /	0.0290
<i>Spartina alterniflora</i> / <i>Phragmites communis</i>	0.0428
<i>Spartina alterniflora</i> / <i>Spartina cynosuroides</i>	0.6712
<i>Spartina alterniflora</i> / <i>Spartina cynosuroides</i> / <i>Iva frutescans</i>	0.1817
<i>Spartina alterniflora</i> / <i>Spartina patens</i>	0.0407
<i>Spartina alterniflora</i> / <i>Spartina patens</i> / <i>Iva frutescans</i>	0.0501
<i>S. alterniflora</i> Total	6.9892
<i>Spartina cynosuroides</i>	0.6268
<i>Spartina cynosuroides</i> / <i>Iva frutescans</i>	0.1121
<i>Spartina cynosuroides</i> / <i>Spartina alterniflora</i>	0.1345
<i>S. cynosuroides</i> Total	0.8734
<i>Spartina patens</i>	0.0899
<i>Spartina patens</i> / <i>Iva frutescans</i>	0.5952
<i>S. Patens</i> Total	0.6851
<i>Spartina</i> spp.	1.4199
<i>Typha</i> spp. / <i>Spartina cynosuroides</i>	0.0230
TOTAL	12.0181

Light Shoreline Oiling by Habitat

HABITAT TYPE	ACRES
Unknown Habitat	0.1134
<i>Iva frutescans</i>	0.1242
<i>Iva frutescans</i> / <i>Spartina alterniflora</i>	0.0067
<i>Iva</i> spp. Total	0.1309
<i>Phragmites communis</i>	0.0632
<i>Phragmites communis</i> / <i>Iva frutescans</i>	0.0000
<i>Phragmites</i> spp. Total	0.0632
<i>Spartina alterniflora</i>	1.0896
<i>Spartina alterniflora</i> / <i>Iva frutescans</i>	1.2248
<i>Spartina alterniflora</i> / <i>Iva frutescans</i> /	0.0190
<i>Spartina alterniflora</i> / <i>Phragmites communis</i>	0.0000
<i>Spartina alterniflora</i> / <i>Spartina cynosuroides</i>	0.6964
<i>Spartina alterniflora</i> / <i>Spartina cynosuroides</i> / <i>Iva frutescans</i>	0.0184
<i>S. alterniflora</i> Total	3.0482
<i>Spartina cynosuroides</i>	0.9487
<i>Spartina cynosuroides</i> / <i>Spartina alterniflora</i>	0.0853
<i>Spartina cynosuroides</i> / <i>Spartina alterniflora</i> / <i>Typha</i> spp.	0.0320
<i>S. cynosuroides</i> Total	1.0660
<i>Spartina patens</i>	0.0115
<i>Spartina patens</i> / <i>Iva frutescans</i>	0.0000
<i>S. Patens</i> Total	0.0115
<i>Spartina</i> spp.	3.3023
<i>Typha</i> spp.	0.0480
<i>Typha</i> spp. / <i>Spartina cynosuroides</i>	0.0772
<i>Typha</i> spp. Total	0.1252
TOTAL	7.8607

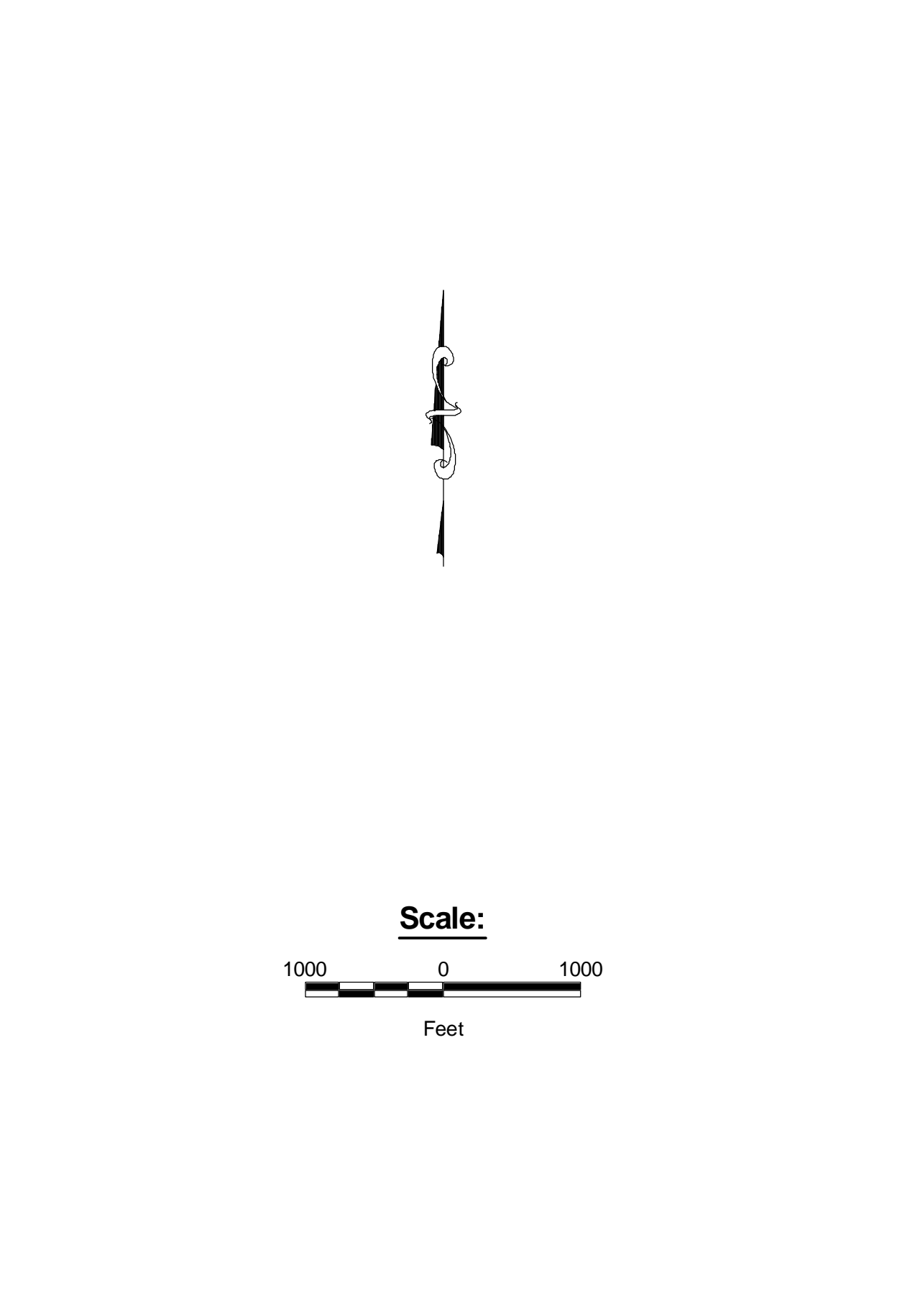
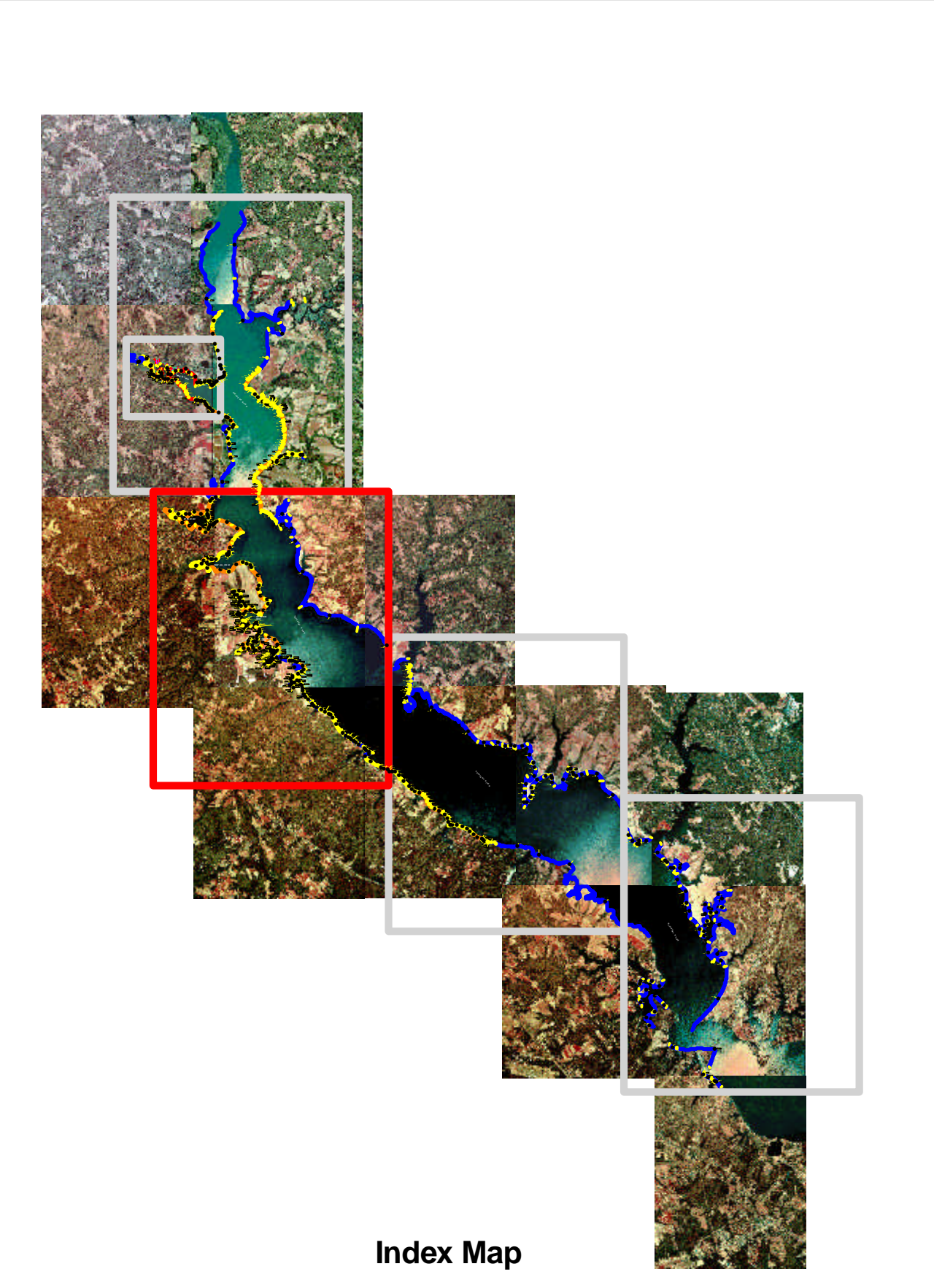
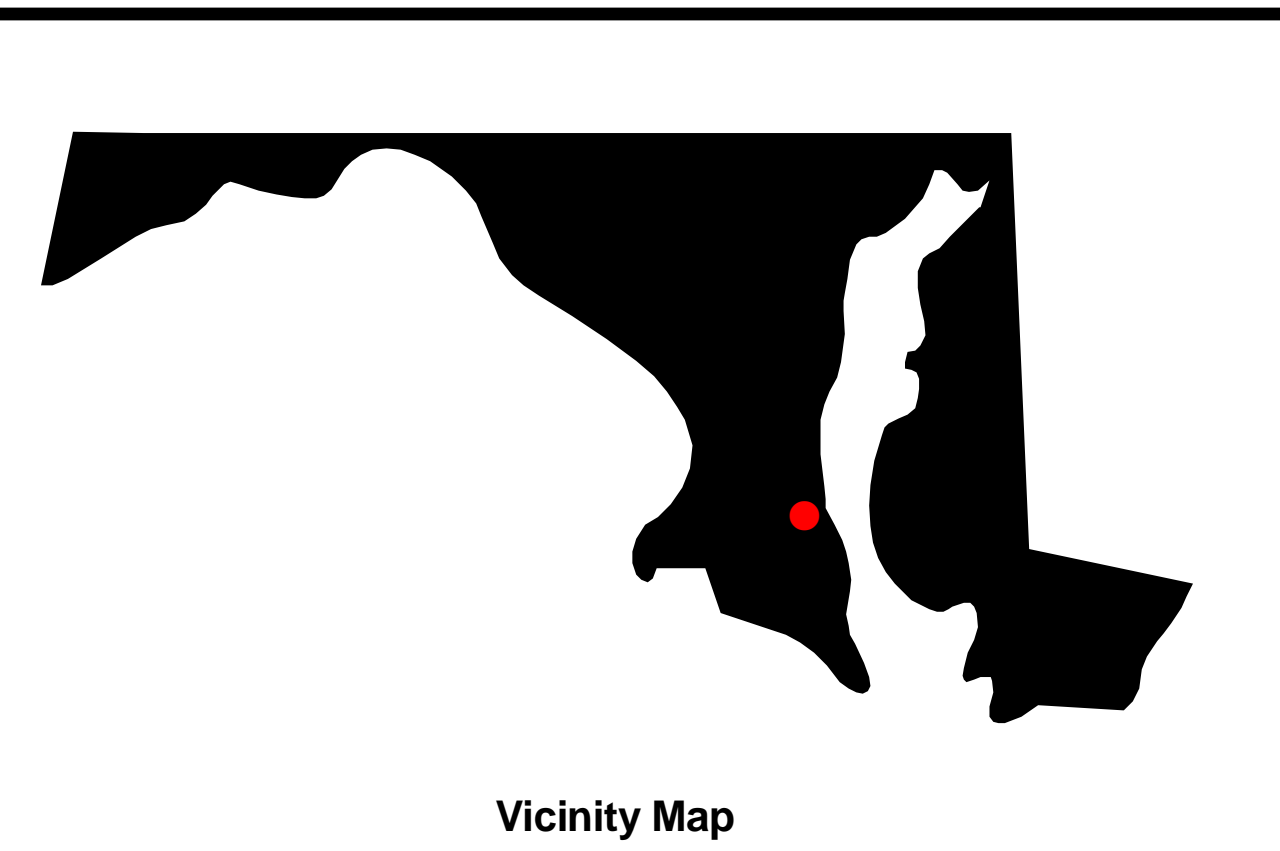
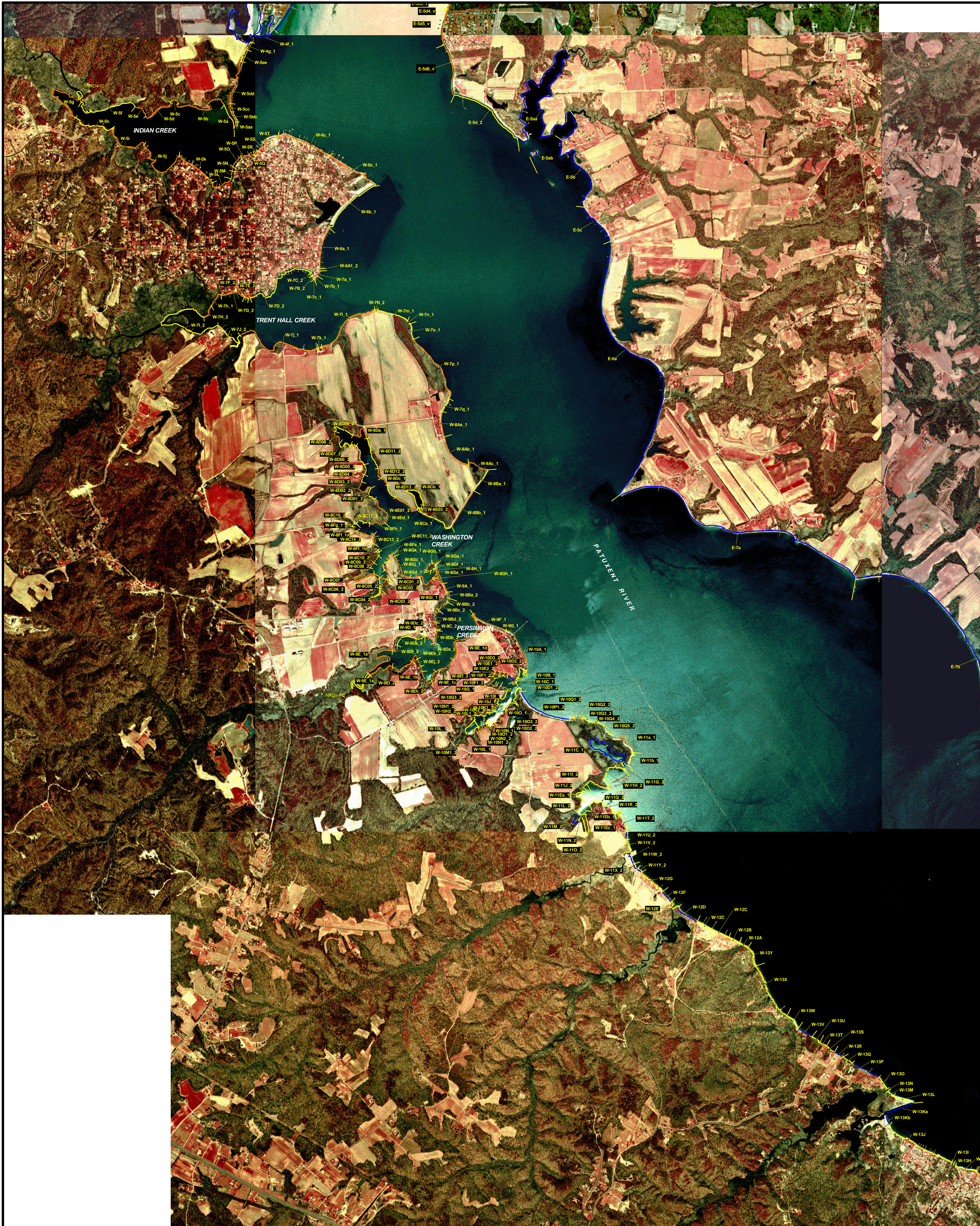


- Legend:**
- NRDA Oiling Category
 - Heavy Oiling
 - Moderate Oiling
 - Light Oiling
 - No Oil
 - Transitional Oiled Areas
 - Restricted Access Areas

- Notes:**
1. SCAT data provided by Polaris and ENTRIX on CD-ROM dated 10/25/00.
 2. Base image is Digital Ortho Quarter Quadrangles.
 3. Line widths shown are for illustrational purposes only and are not scaled to the actual width of the oiled area.

Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

NRDA OILING CLASSIFICATION
MAP 1 OF 5



- Legend:**
- NRDA Oiling Category
 - Heavy Oiling
 - Moderate Oiling
 - Light Oiling
 - No Oil
 - Transitional Oiled Areas
 - Restricted Access Areas

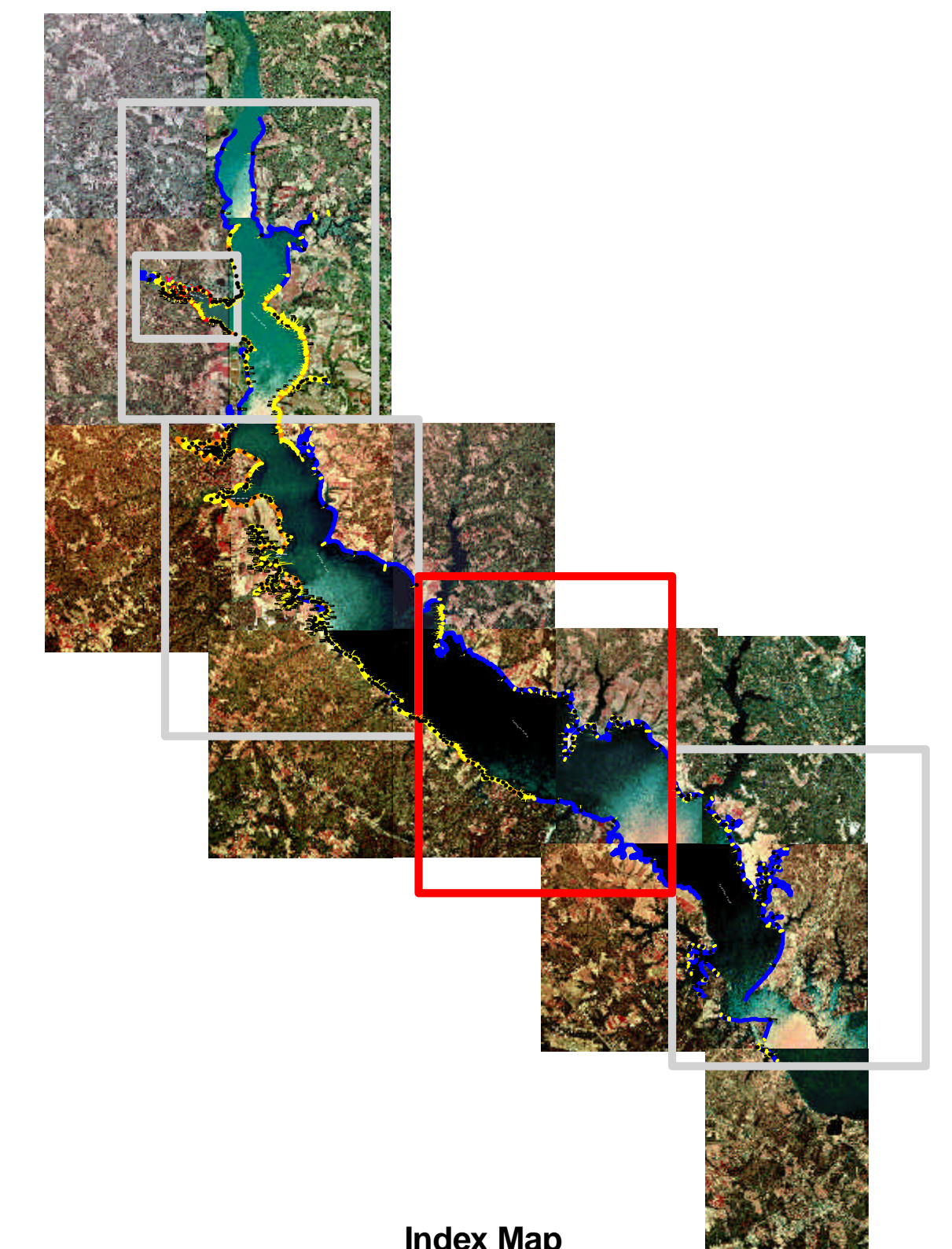
- Notes:**
1. SCAT data provided by Polaris and ENTRIX on CD-ROM dated 10/25/00.
 2. Base image is Digital Ortho Quarter Quadrangles.
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Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

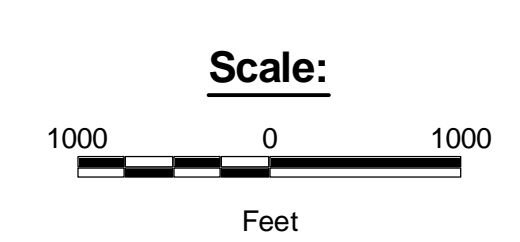
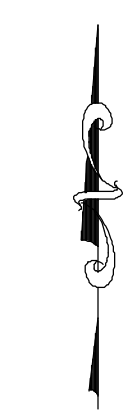
NRDA OILING CLASSIFICATION
MAP 2 OF 5



Vicinity Map



Index Map



- Legend:**
- NRDA Oiling Category
 - Heavy Oiling
 - Moderate Oiling
 - Light Oiling
 - No oil
 - Transitional Oiled Areas
 - Restricted Access Areas

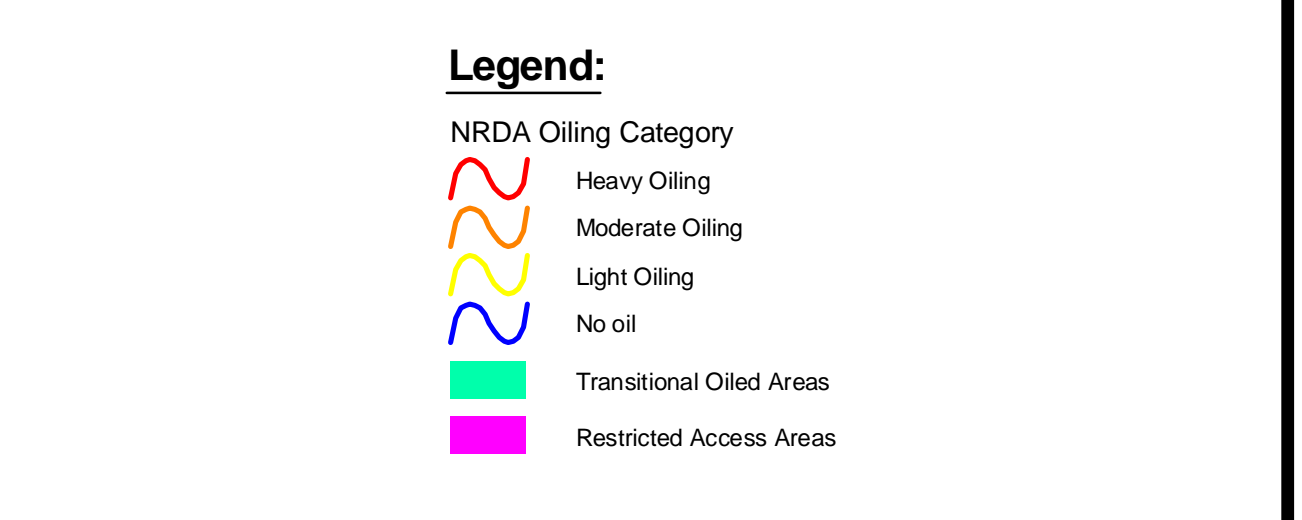
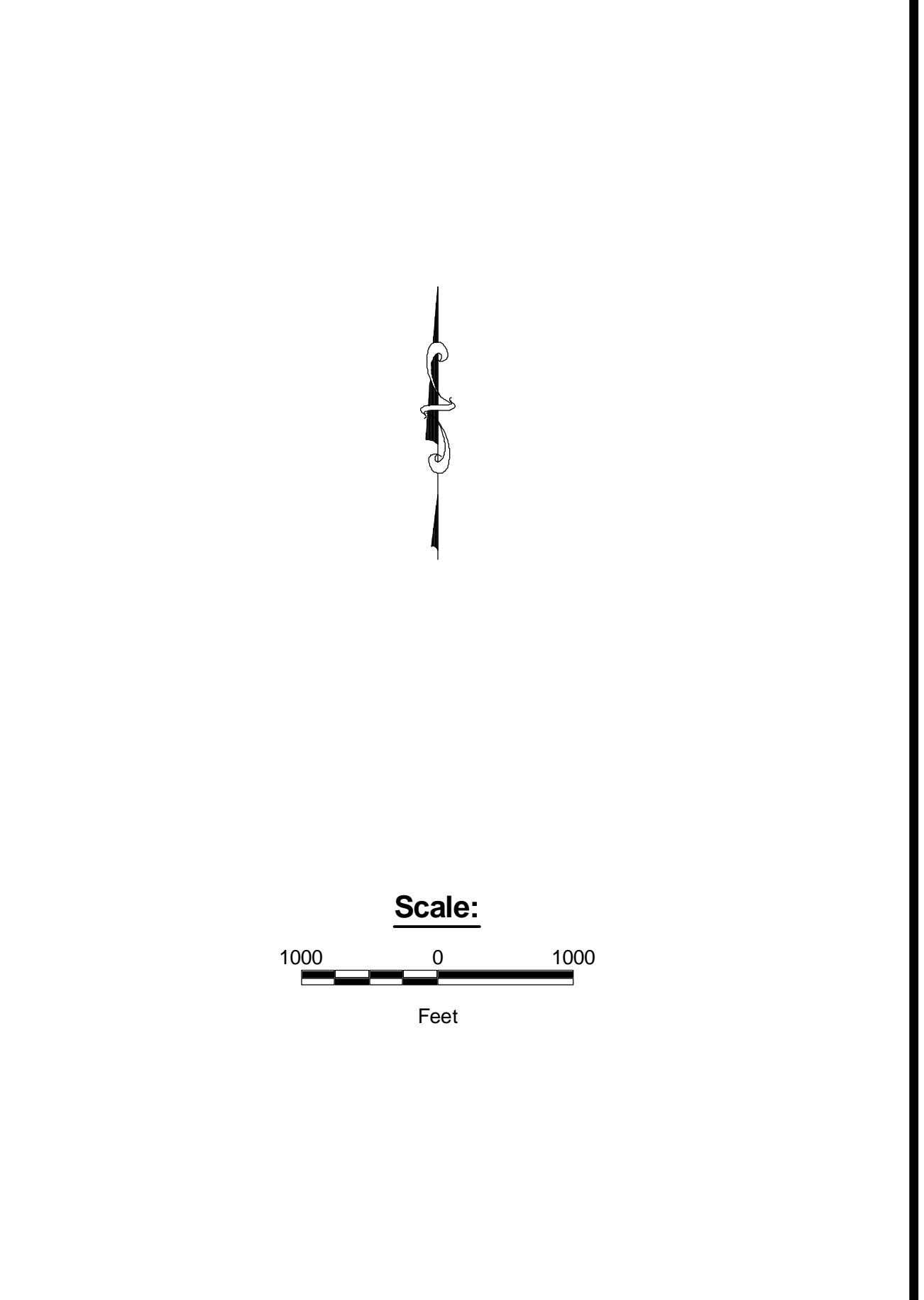
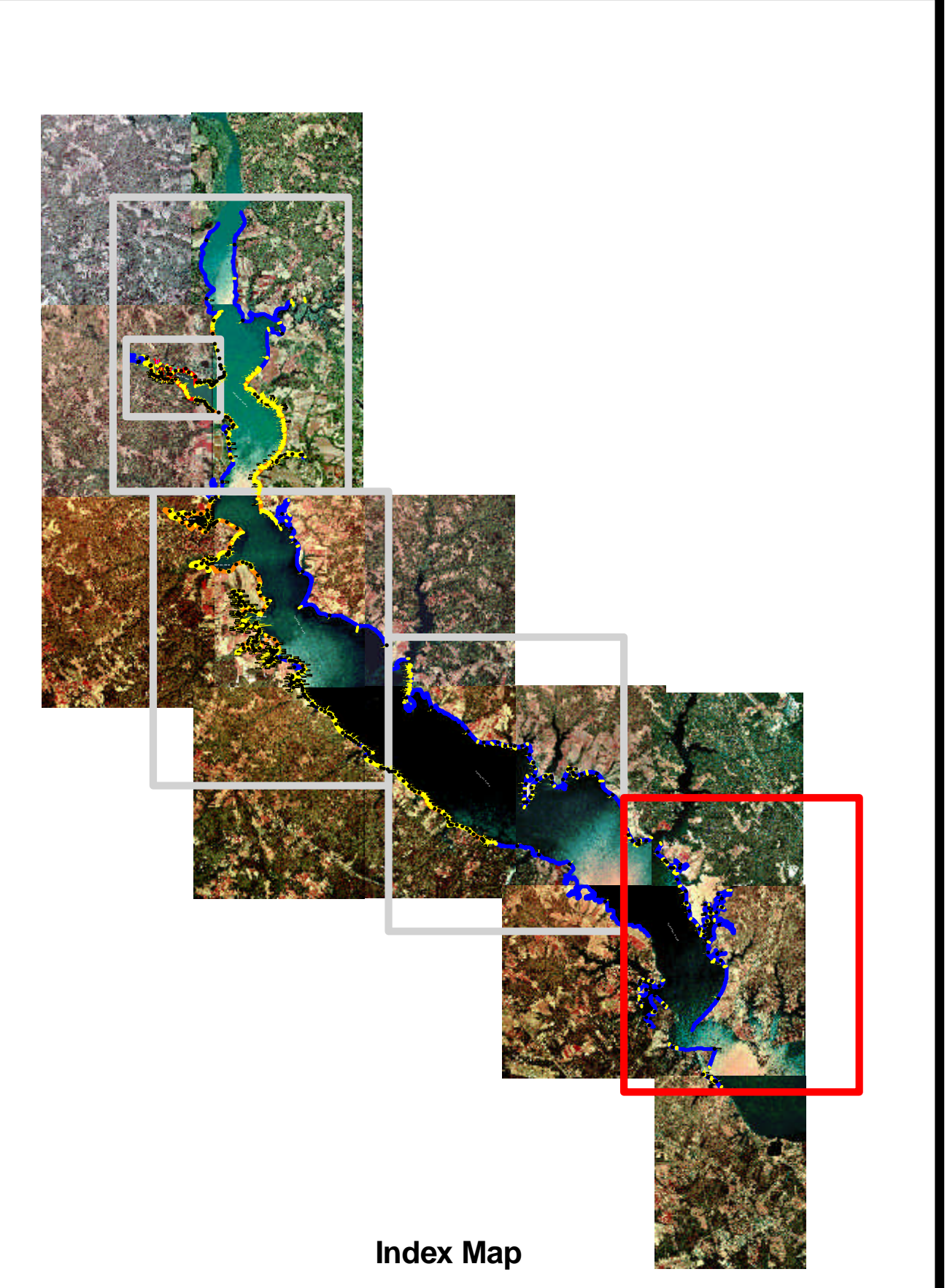
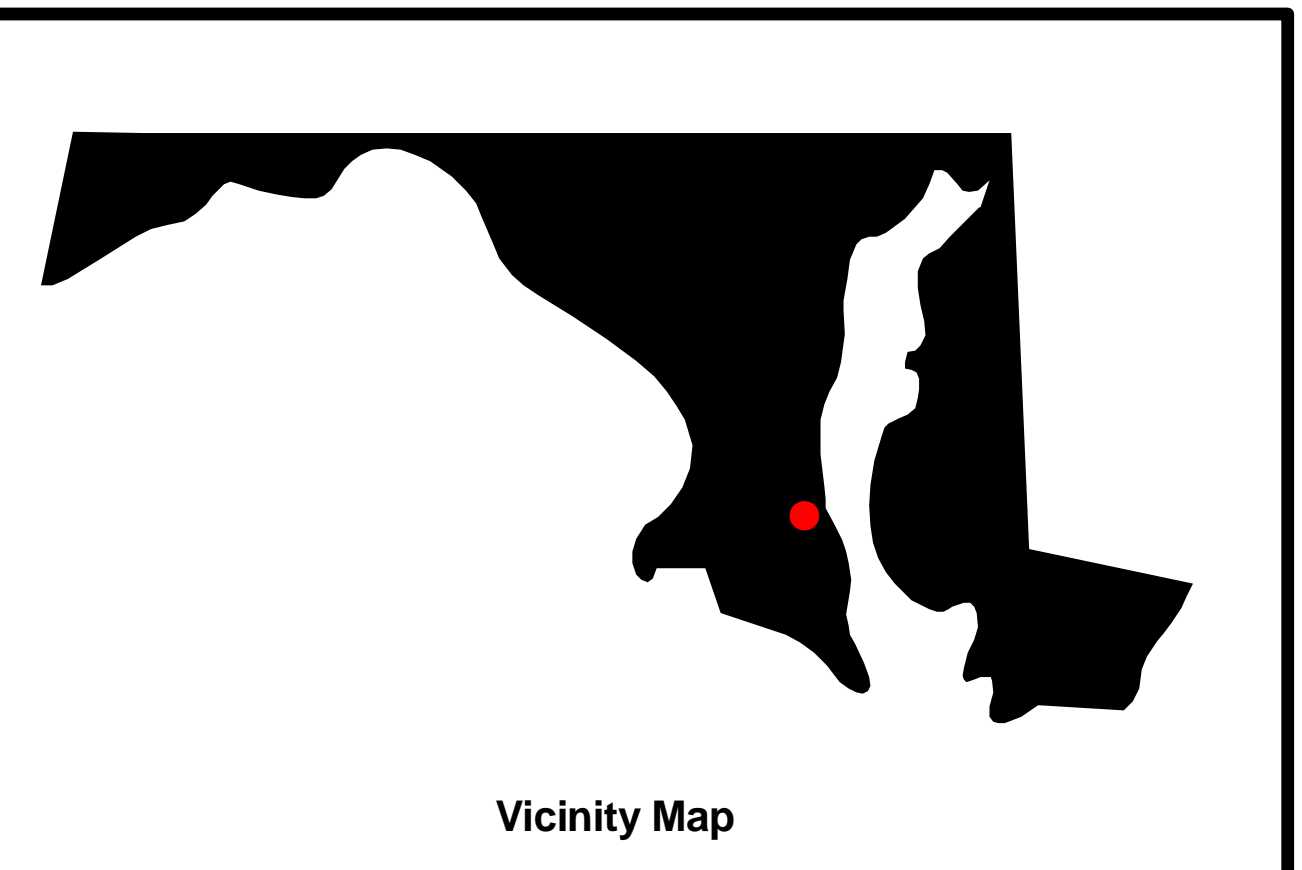
- Notes:**
1. SCAT data provided by Polaris and ENTRIX on CD-ROM dated 10/25/00.
 2. Base image is Digital Ortho Quarter Quadrangles.
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Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

NRDA OILING CLASSIFICATION
MAP 3 OF 5

ENTRIX Environmental Science Services, Inc.
ENVIRONMENTAL CONSULTANTS
10 CORPORATE CIRCLE
NEW CASTLE, DE 19720
(302) 395-1919
P.O. Box 84408
Baton Rouge, Louisiana 70884-4408
(225) 927-7171

Drawn by: ANM/Es² Approved by: GH/ENTRIX Date: 07/05/01E

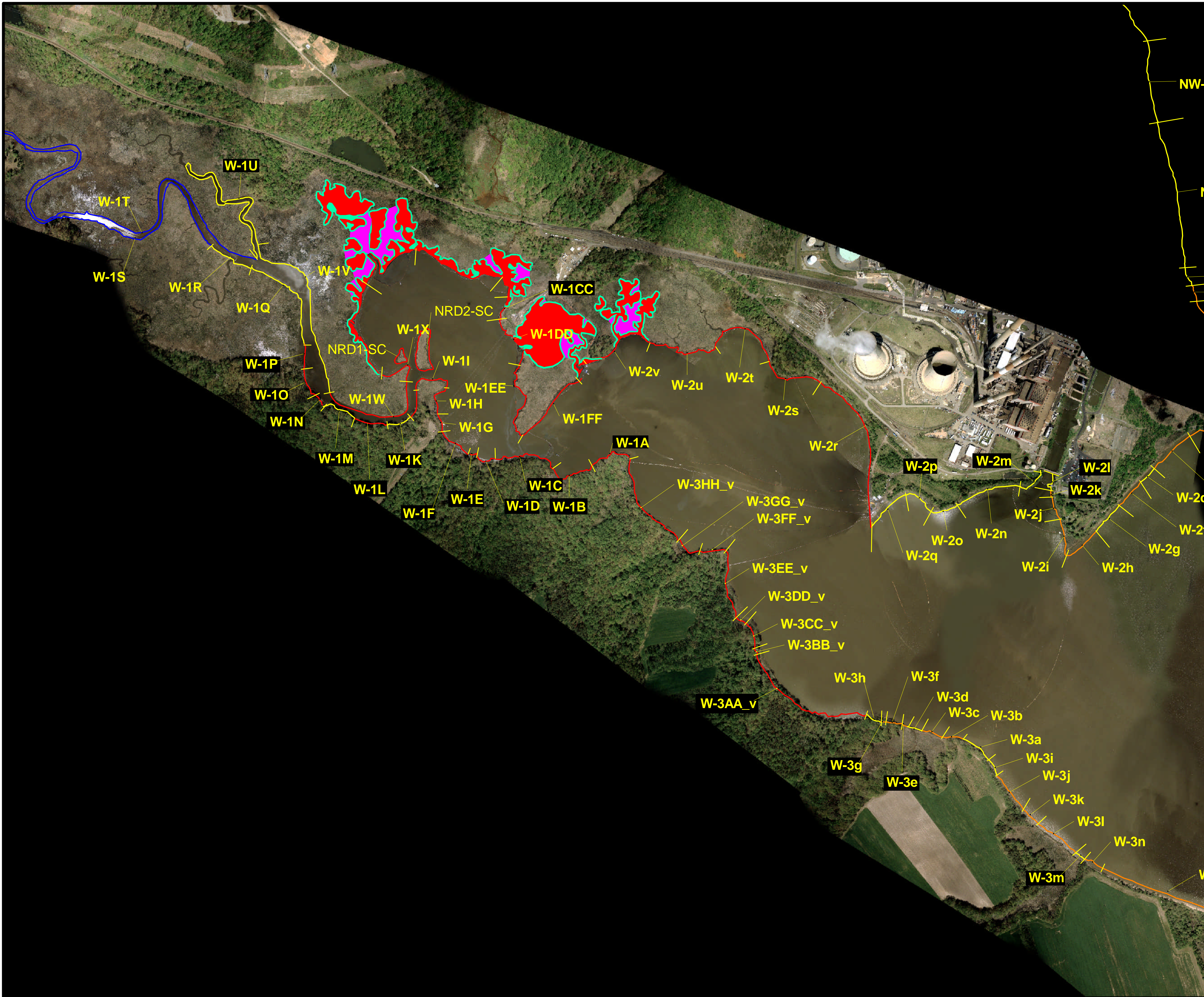


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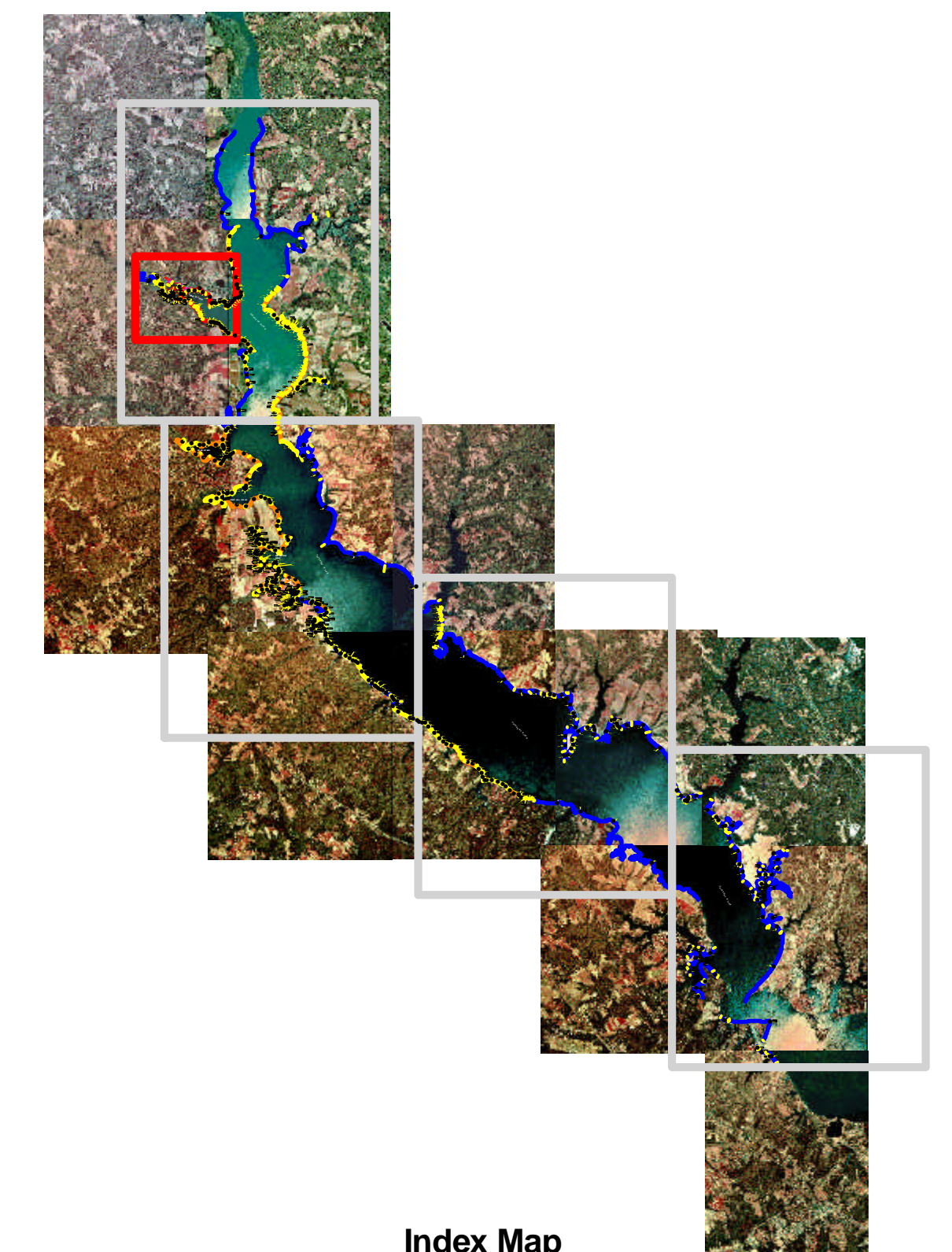
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2. Base image is Digital Ortho Quarter Quadrangles.
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Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

NRDA OILING CLASSIFICATION
MAP 4 OF 5



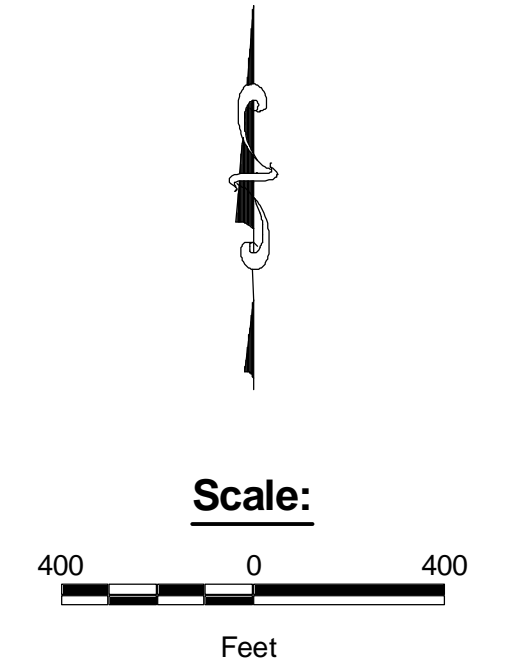
Vicinity Map



Index Map

Legend:

- NRDA Oiling Category
- Heavy Oiling
- Moderate Oiling
- Light Oiling
- No oil
- Transitional Oiled Areas
- Restricted Access Areas



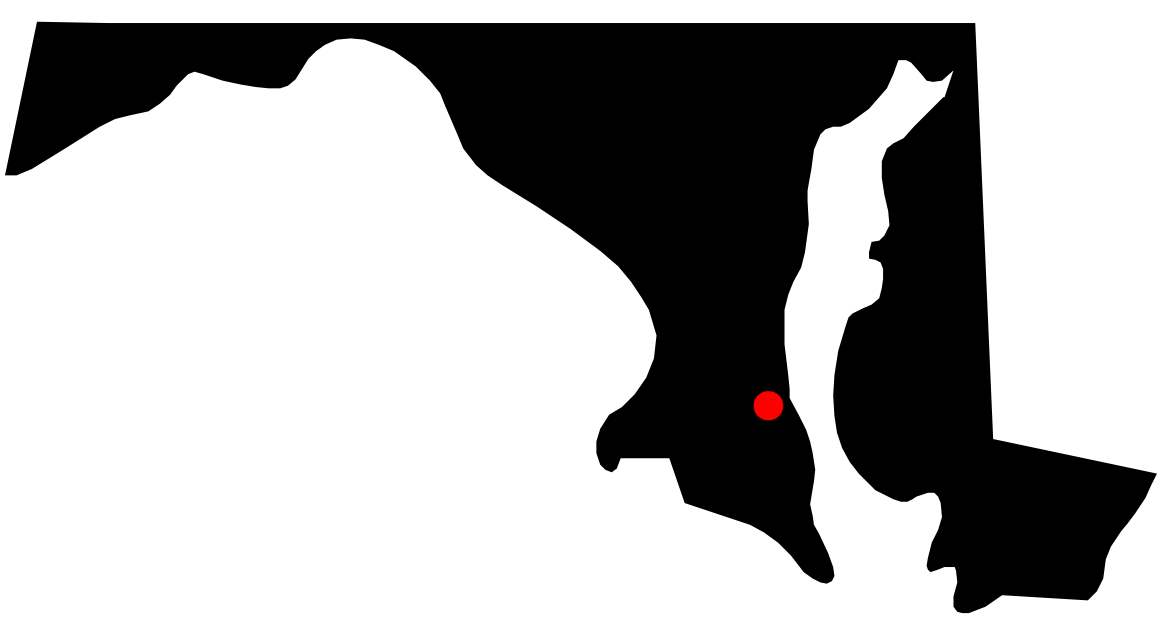
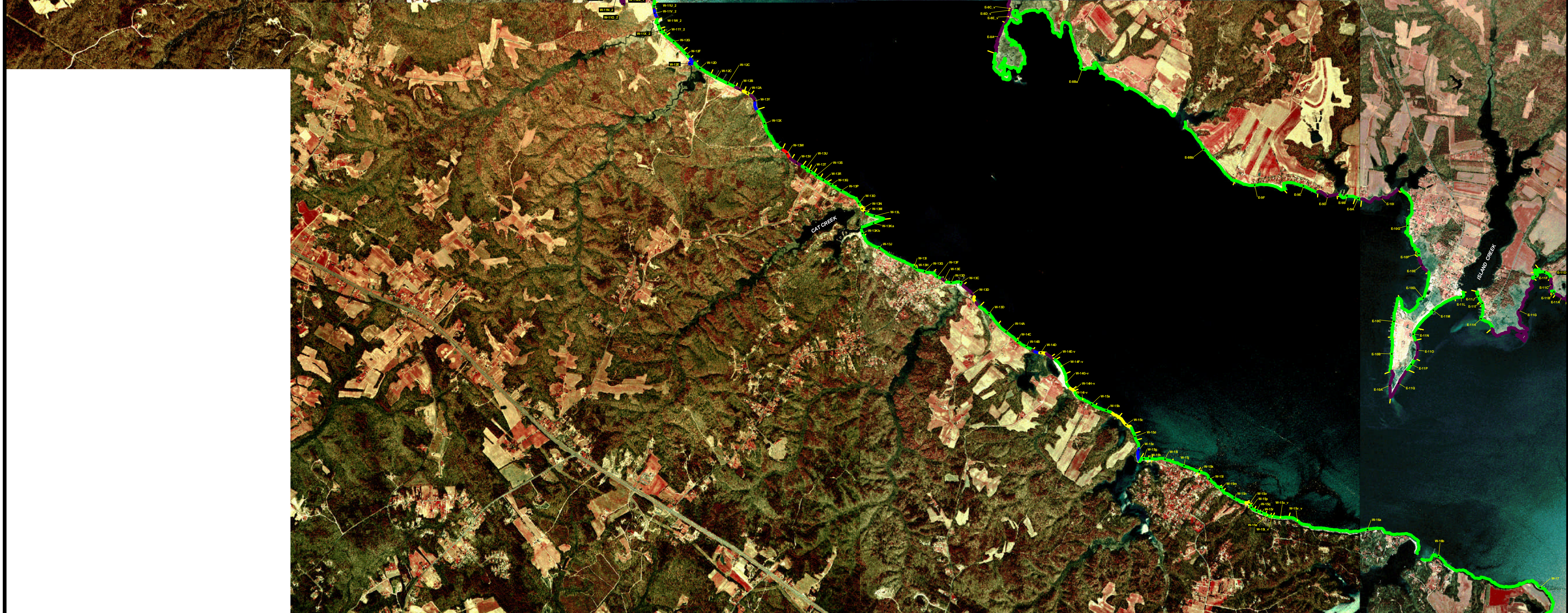
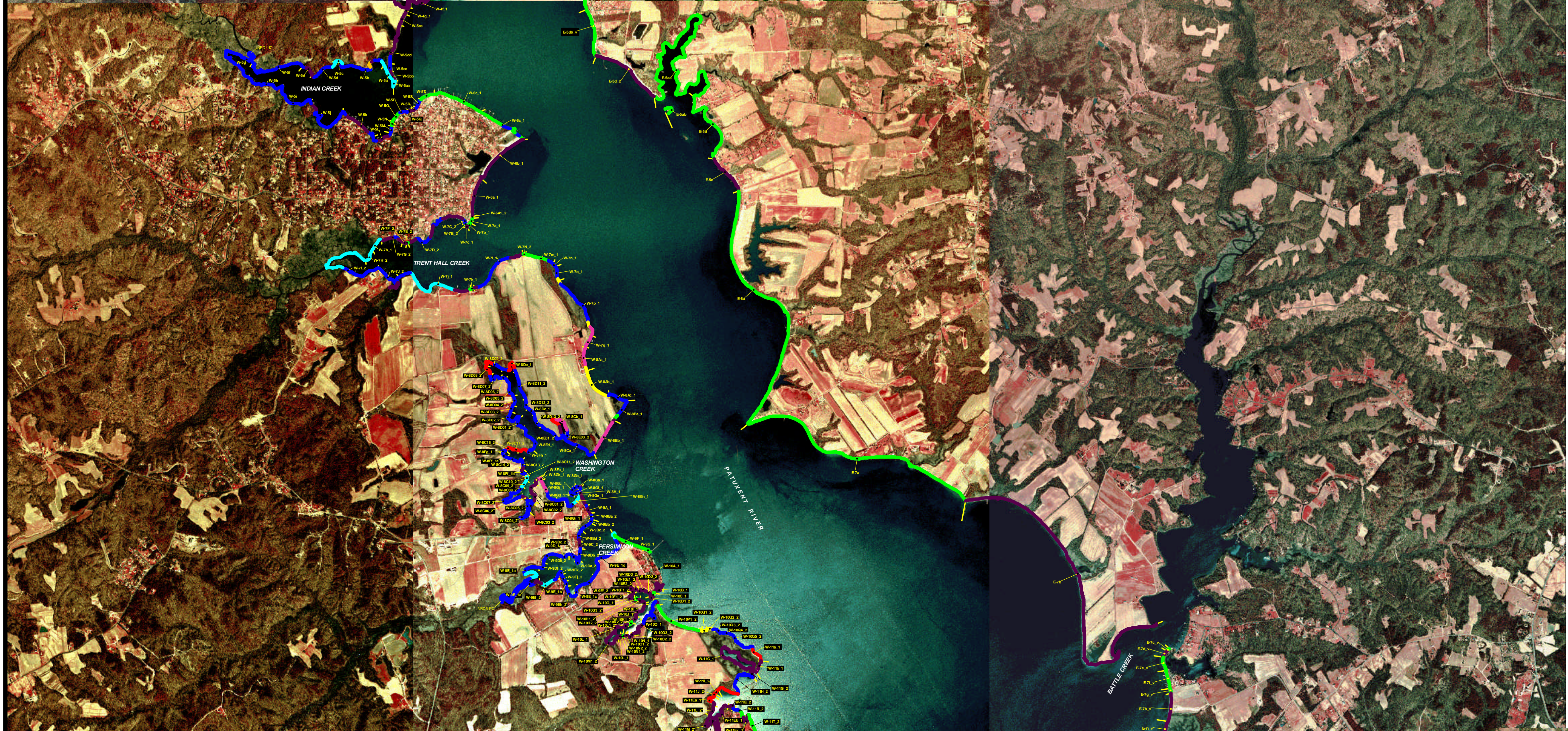
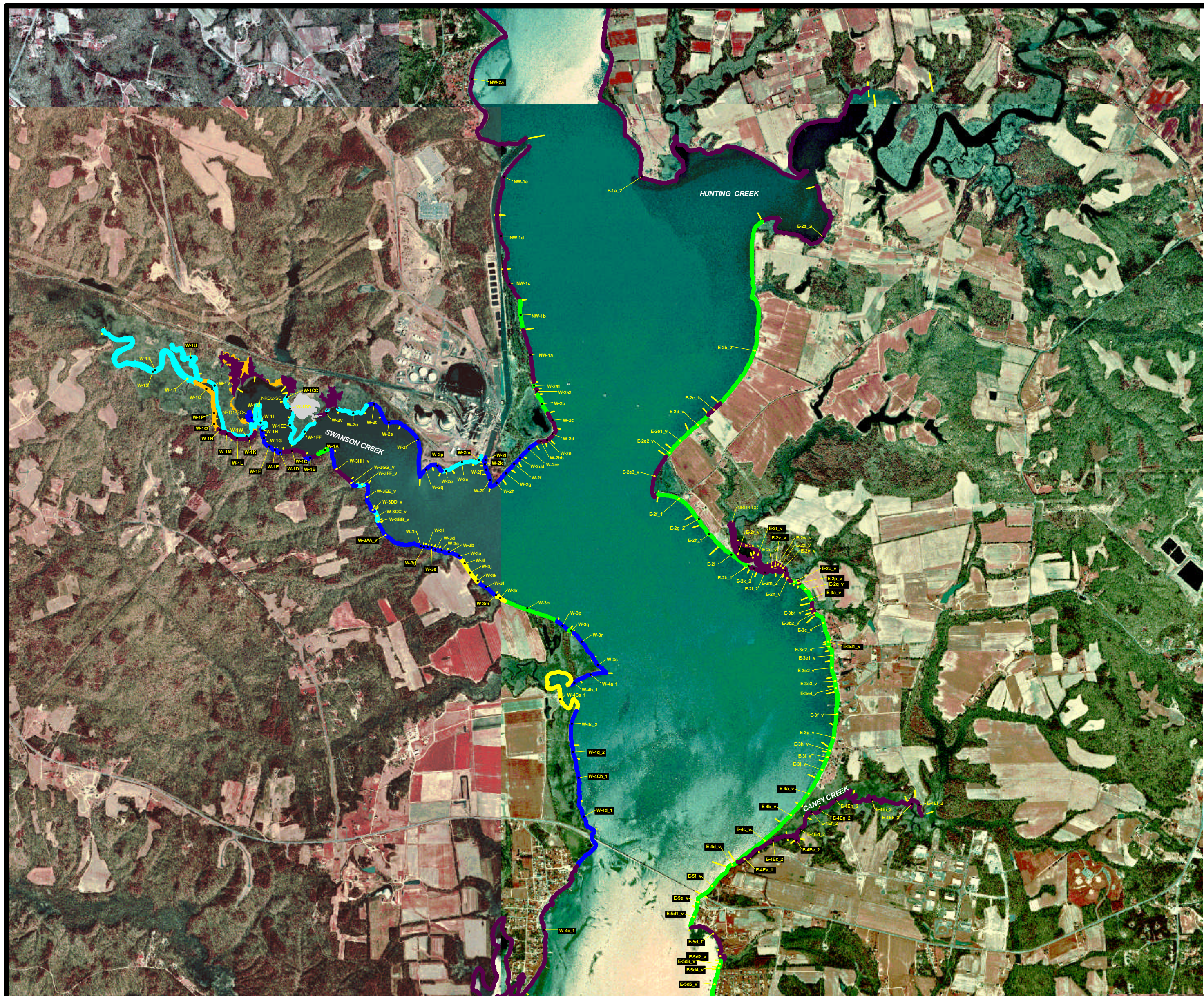
Notes:

1. SCAT data provided by Polaris and ENTRIX on CD-ROM dated 10/25/00.
2. Base image is natural color aerial photograph provided by AirNova.
3. Line widths shown are for illustrational purposes only and are not scaled to the actual width of the oiled area.

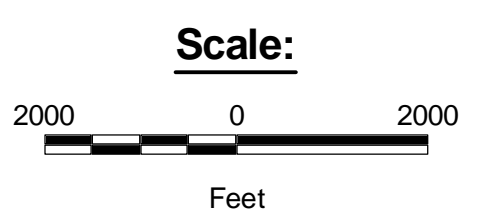
Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

NRDA OILING CLASSIFICATION
MAP 5 OF 5

<p>ENTRIX ENVIRONMENTAL CONSULTANTS 10 CORPORATE CIRCLE NEW CASTLE, DE 19720 (302) 395-1919</p>	<p>Environmental Science Services, Inc. P.O. Box 84408 Baton Rouge, Louisiana 70884-4408 (225) 927-7171</p>
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Vicinity Map

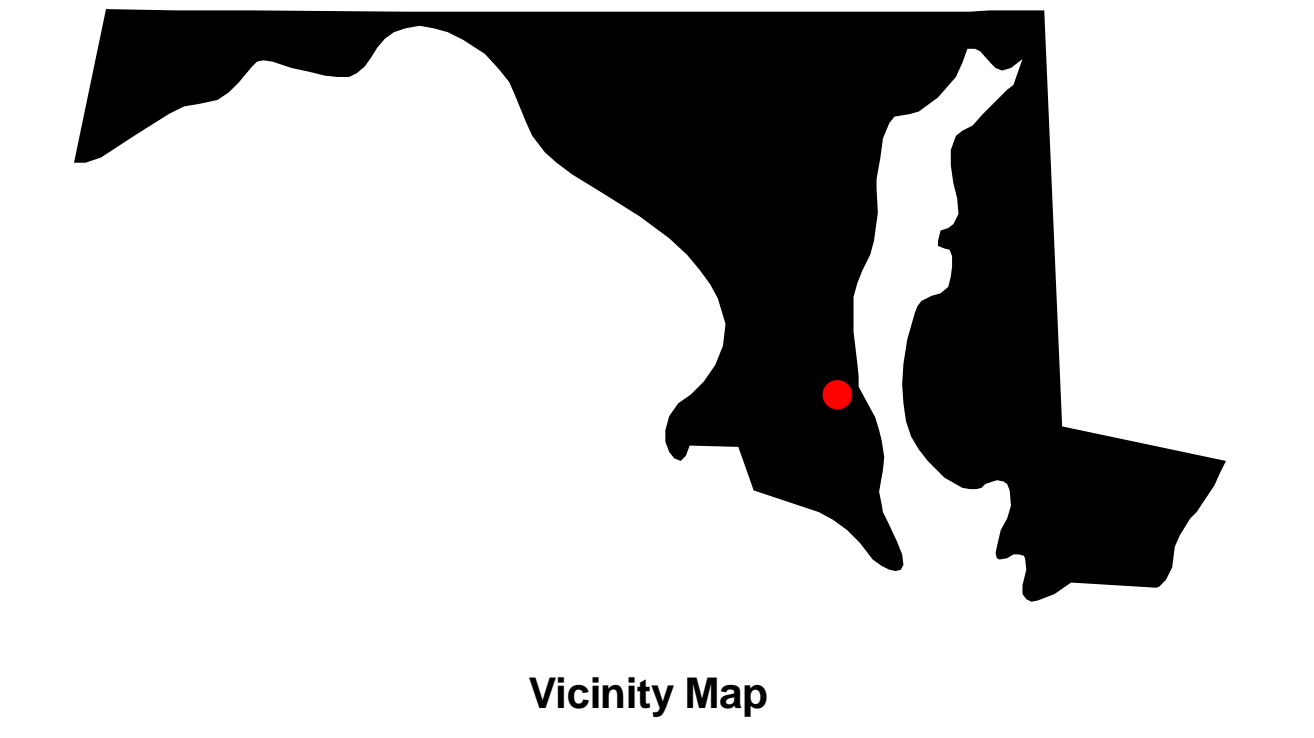
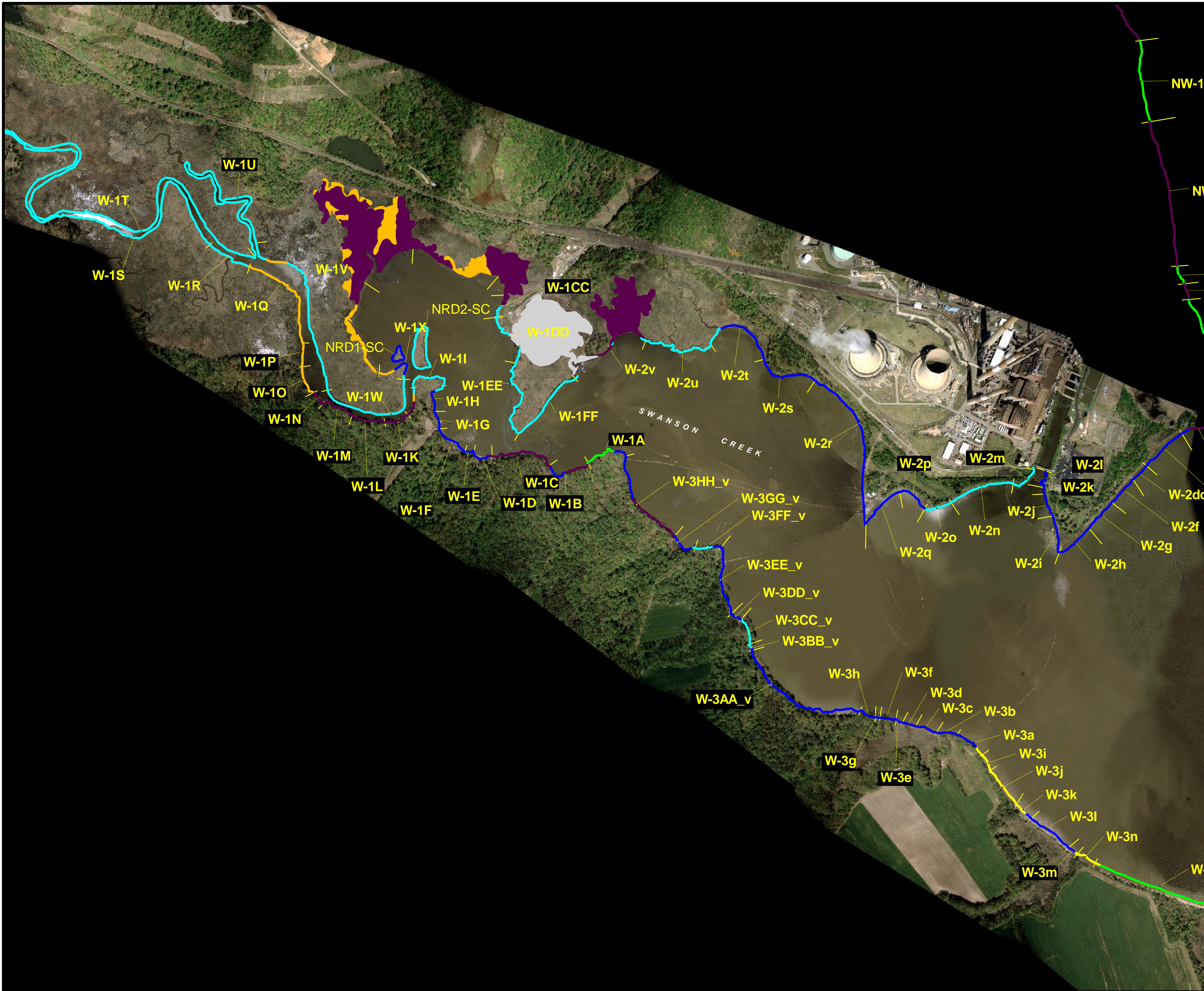


- Legend:**
- Najas frutescens*
 - Phragmites communis*
 - Spartina alterniflora*
 - Spartina cynosuroides*
 - Spartina patens*
 - Spartina* spp.
 - Typha* spp.
 - W1A - Mixed species habitat
 - Non wetland habitat

- Notes:**
1. Habitat delineation conducted by the Marsh Assessment Team.
 2. All marsh segments where no species data were available are classified as *Spartina* spp.
 3. Base image is Digital Ortho Quarter Quadrangles.

Pepco Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

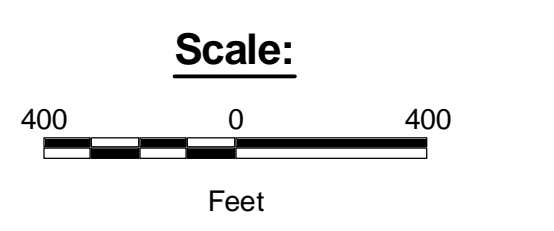
HABITAT DELINEATION MAP



Vicinity Map



- Notes:**
1. Habitat delineation conducted by the Marsh Assessment Team.
 2. All marsh segments where no species data were available are classified as *Spartina spp.*
 3. Base image is natural color aerial photograph provided by AirNova dated April 2000.



Peppo Chalk Point Power Plant
Swanson Creek Incident
Patuxent River, Maryland

**HABITAT DELINEATION MAP
SWANSON CREEK**

 <small>ENVIRONMENTAL CONSULTANTS 10 CORPORATE CIRCLE NEW CASTLE, DE 19720 (302) 395-1919</small>	 <small>Environmental Science Services, Inc. P.O. Box 84408 Baton Rouge, Louisiana 70884-4408 (225) 927-7171</small>
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