



Department of
Environmental
Conservation

DELAWARE TAILWATERS CREEL SURVEY PLAN 2018-2019

Prepared for the Fisheries Investigation Plan
for the Delaware Tailwaters

February 28, 2018

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Problem Statement

The information on angler use characteristics and harvest data for the wild trout fishery of the Delaware River tailwaters is outdated. It predates significant changes in the fishery, including increasingly favorable reservoir releases for supporting trout. We also have reasons to believe angler use and harvest patterns have changed. The existing information is inadequate to support a scientific evaluation of whether declines in the quality of the fishery have occurred in response to current patterns of angler use.

Need

The need for present date angler use information has been identified by the Fisheries Investigation Plan (FIP) for the Delaware tailwaters (PFBC & NYSDEC, 2017). The plan calls for a creel survey in the Delaware tailwaters for the 2018 - 2019 trout seasons. Collecting this information is part of a comprehensive investigation plan that will provide the information necessary to develop a new trout management plan for the tailwaters system.

Goals and Objectives

The goal of the creel survey is to characterize the present-day angler use and exploitation of the Delaware tailwaters trout population. Specific objectives include quantifying species-specific:

- Total angler effort per reach of West Branch, East Branch and Delaware River mainstem from Hancock to Callicoon
- Catch rates for these sections
- Harvest rates for these sections
- Size structure and species composition of creel
- Demographics and opinion data (i.e., angler satisfaction of the fishery)

Timeframe

The creel survey will take place from April 1 through October 15 for both 2018 and 2019. A two-year creel survey will provide a more accurate analysis of angler use and mitigate against significant unforeseen influences such as unusual weather patterns.

Survey Design-Methods

The creel survey will be a roving-based design, which allows for counting of anglers that do not necessarily access the river from discrete access points. The creel survey will follow the protocols outlined by McBride (1999) and Keller (1988) to preserve the integrity of comparisons to the historic time-series. Creel clerks are required to gather instantaneous angler counts at set intervals during the work shift, while gathering angler interviews during the non-count periods. Effort (angler-hours) in a

fishing area is based on counts of anglers extrapolated to the number of hours in a fishing day (Pollack et al. 1994). Catch and harvest rates (fish/hour), size structure of caught trout, and angler demographic information will be derived from the angler interviews (Pollack et al. 1994). Details of this Survey Design section are broken down into the following outline:

1. Census Reaches
2. Schedule
3. Anglers Counts
 - a) Vehicle
 - b) Aerial
4. Angler Interviews
 - a) Parameters
 - b) Post Cards
 - c) Angler Opinions
 - d) Questions

Census Reaches

The tailwaters are divided into a series of separate census reaches (Figure 1) consistent with past creel surveys (McBride 1999) to better characterize the fishery. The West Branch is divided into four census reaches: Stilesville, No Kill, Hale Eddy and Border Water. The East Branch is divided at bridge crossings into six census reaches: Downsville, Corbett, Shinhopple, Harvard, Fish Eddy, and Peas Eddy. The Delaware river main stem is divided into six census reaches: Junction Pool, Buckingham, Lordville, Long Eddy, Hankins, and Callicoon. The Lordville census reach is the same as defined in the historical surveys (McBride 1999). A total of three clerks are required, with a single clerk being assigned to each census river.

Schedule

Daily census will be conducted from 1 April through 15 October 2018 and 2019. It is anticipated greater angler effort occurs on weekend days and holidays relative to weekdays. Thus, censuses are to occur on both weekend days throughout the survey period. Holidays (e.g., Memorial Day, July 4th, Labor Day, and Columbus Day) are to be treated as weekend days. Two randomly selected weekdays will also be selected for each seven-day week. Weekday holidays will count towards the two week day allocation.

Work days are based on administrative limitations of a 40-hour work week. Four 10-hour days are anticipated, allowing the census of four days per seven-day week. Depending on the final proposed schedule some concession may be required to accommodate the NYSDEC work week, which begins on Thursday and ends on Wednesday.

Work days are differentiated between a morning or afternoon shift. Regardless of the shift the first and last hour of a work day is anticipated for travel to/from the census reaches. Thus, it is anticipated creel clerks will have approximately eight hours for conducting counts and interviews. Furthermore, data entry is expected to occur during non-count periods when no anglers have been encountered for interviewing. Morning and evening shifts will be randomly selected for both weekend days, holidays, and week days.

Shifts are based on sunrise (i.e., morning) and sunset (i.e., afternoon). Starting times will be dynamic as days get longer to summer solstice then wane to winter solstice. Creel clerks will need to be “on-the-water” by sunrise for a morning shift; but, the afternoon shift starting time will be adjusted to delay leaving the river until one hour past sunset. The early start will help capture anglers attempting to fish prior to their work day and/or anglers desiring to fish the early morning. Anglers are also well-known to extend fishing in to the near dark of twilight and delaying departure from established access points will help capture interviews of completed trips. The proposed survey schedules, detailing days to be worked, start points, and work shifts are listed in Appendices A - C.

Angler Counts

All vehicle and aerial counts, will occur on the same day/work shift following the schedule (Appendix A-C). Aerial counts will occur on a subset of days of vehicle angler counts (Appendix E). The timing of the aerial count will be randomly selected to occur near the same time as one of the three vehicle angler counts.

Vehicle

Creel clerks will conduct angler counts in predetermined sites with suitable visibility of the census reach for all participating anglers. If necessary, clerks can momentarily stop and survey the river with binoculars to ensure adequate counts of all participating anglers (i.e., shore and boat). Due to known limited road-side visibility, only subsections of selected census reaches are to be counted by vehicle (Table 1). Vehicle angler counts will be considered as instantaneous.

Limited roadside visibility preclude continuous vehicle angler counts for the main stem Delaware River census reaches. Neither SR 191 within Pennsylvania nor SR 97 within New York, allow unimpeded viewing of the river. Angler counts will be limited to discrete vantage points (Figure 2). Vantage point counts are to be considered representative of the entire census reach.

Initiation of count runs is dependent on the work shift. Count runs are to start one hour after the creel clerk arrives for the beginning of the morning shifts (first hour for interviews), then occurring every 3-hr intervals thereafter. Count runs are to start immediately once the creel clerk arrives at the designated census reach for the afternoon shifts, then occurring every 3-hr intervals thereafter, with the last hour of the work shift being dedicated for interviews. Based on assumptions of time required for completing an angler count (i.e., ~ 1.1 hours), a total of three counts are expected to be accomplished per work day (Appendices A - C). Starting points for the count runs will be randomly determined.

Impacts of general weather conditions upon fishing activities will be quantified during run counts. The intent is to document any inclement weather that could explain reduced fishing activity. Appendix D is a copy of the angler count form.

Aerial

A fixed wing aircraft will be used for aerial angler counts for the entire tailwaters length of the 3 tailwater rivers, including sections counted during vehicle angler counts. Flights are scheduled for two weekdays and two weekend days per month from 1 April through 15 October. Appendix E list the anticipated flight schedule.

A single aerial count run will be made on the schedule days for flights. The flights will be randomly selected to coincide with one of the 3 vehicle count runs for that day. Total flight times are unknown and

dependent on distances between the airport and census reaches; and on total time to traverse all three rivers (~ 75 miles) in a single shift. Starting times and work day durations are expected to be modified depending on experience gained during actual flight travel times. The work day is assumed to be adequate to include the time required for the clerk to drive to/from the contracted airport. Schedules will be adjusted to avoid any flight time during night time.

Starting points for aerial flight counts and flight paths will not be randomized to minimize aerial flight times. However, as best as possible, flight counts will begin at the downriver most location within the census reach and proceed up river. Flight counts are anticipated to always begin at Callicoon, proceeding up to Pepacton Dam, then returning to Junction Pool and proceeding up to Cannonsville Dam. Actual flight paths may change based on experience gained with actual flight times.

Individuals that appear to be actively fishing or in transport along the river banks or on the waters (i.e., the individual is carrying fishing equipment or riding a drift boat) will be considered “fishing” and added to the census reach tally. Binoculars, a video recorder and handheld counters are intended to be utilized by the creel clerk to aid in flight counts. Within each river, counts will be tallied separately for each census reach (Figure 1). Counts will also be separated by fishing mode – wade versus boat. Flights will be as low and slow as is safely possible to ensure maximum accuracy of angler counts.

Weather cancellations of aerial flights may be problematic. Creel clerks will keep apprised of weather forecasts and contact the contracted pilot should a scheduled event be in possible jeopardy. Should weather forecasts be suggestive of potential cancellation, the creel clerk and pilot will make all attempts to reschedule. Ultimately, the pilot has final say in any cancellation of a scheduled flight, weather related or otherwise.

The following information will be recorded per flight census.

- Date of flight
- Time – Start count/End count for each river
- River – East Branch, West Branch or Delaware
- Angler counts
 - by river reach (Figure 1);
 - and by fishing mode (wade/boat)
- Visibility – categorize potential for under counting anglers
 - Clear/no obstructions
 - Limited shoreline visibility – potentially restricted by riparian vegetation coverage, potential to miss anglers fishing along the shoreline
 - Limited river visibility – potentially due to fog, potential to miss anglers either shoreline fishing or boat fishing
 - No visibility – unable to recognize anglers, high potential for missing all anglers

Appendix F is a copy of the aerial count form.

Angler Interviews

All accessible anglers to the creel clerk are to be interviewed within the timeframe between angler counts. Every effort should be made to obtain interviews from anglers in all census reaches, including those that are not counted. This will require the creel clerk to travel the entire length of the river. All

anglers will be interviewed despite targeted species. It is anticipated an interview should not take longer than three minutes maximum.

Creel clerks will make all attempts when approaching anglers to limit disturbance of their fishing experience. If the angler is on a guided trip and the guide is not fishing, then the guide is not interviewed; however, the guide may be able to provide the information for their clients. If expedient, the creel clerk may interview a group of anglers collectively, then separate into individual answers once the interview is completed.

Parameters

The following information will be recorded per angler for each interview. Additionally, each interview will be assigned a unique identification number at the time of the interview, by the creel clerk. These numbers will be sequential and correspond to any post cards handed to the angler.

- ID Number, assigned by the creel clerk as a sequential numeric number. This number will be reset at the beginning of each schedule census date.
 - Prefixes of WB, EB, DR will be included as part of the ID number, depending on which river, the West Branch, the East Branch, or the Delaware River, respectively, the interview was conducted
 - Date of interview (mm/dd/yy) will also be included as a prefix for the ID number. Month and days should be 2 digits and include any leading zeros (e.g. April should be 04).
 - For example, WB040118-001 equates to the first interview of the day on April 1st for the West Branch.
- Angler origin, determined by zip code
- Angler gender (F/M)
- Wader/Boater identification
- Technique: i.e fly fishing, bait fishing, etc
- Target Species
- Time started
- Break Time (0.25 hr increments)
- Reaches fished (map in hand to aid anglers in reach ID)
- Guided trip (Y/N)
 - Local guide or out-of-basin guide, zip code of business address
- Post Card (Y/N)
- Put-in Location (boat anglers only)
- Take-out Location (boat anglers only)
- Total number of trout harvested, by species
 - Upon angler permission, all harvest trout will be measured for total length (nearest mm) and scanned for any PIT tag code.
- Total number of trout released, by subtraction (total caught – total harvested)

Appendix G is a copy of the interview form.

Post Cards

During the interview, anglers who indicated that they had not finished fishing for the day will be requested to fill out and return a post card summarizing their catch and harvest information, upon

completion of their trip for the day. Anglers will be encouraged to return post cards to the nearest drop-box.

Creel clerks will make all attempts to reduce confusion of the angler and subsequent rectification of post card data to original interview data. A unique identifier number assigned to each interview will be transposed to all post cards. The creel clerk will provide brief instructions for documenting the remainder of their fishing trip; including how to enter the ending time, number of trout captured and either released or creel along with all fish lengths. Willing anglers will then receive the post card, a printed listing of drop boxes and pencil all placed into a Ziploc bag. Table 3 and Figure 3 describe all known potential drop box locations, river, reach and property owner. At the discretion of the creel clerk, the post card may be given a postage stamp. All post cards will be pre-addressed with NYSDEC Region 4 postal mailing address.

Ammo boxes will be used as drop boxes, they are easily obtained, watertight and lockable. With landowner permission, the boxes will be mounted on pre-existing posts or new posts will be installed. Other landowner approved methods will be used if mounting posts are not an option.

Creel clerks are responsible for recovering any post cards from drop boxes within their respective census river. Using the unique ID, post cards will be matched and stapled to the original interview. When entering the interview data with associated post card, assuming the angler filled in all data correctly, the interview will be treated as a completed trip. Otherwise, the creel clerk will attempt to update the original interview, as best as possible, to a more robust incomplete trip, or completely disregard (but not throw-out) the post card. The reason for rejecting post card data will be noted on the interview form by the creel clerk.

Appendix H is a copy of the postcard form.

Angler Opinions

The proposed creel survey offers an opportunity to assess angler opinions, including those of anglers that are typically not well represented at public meetings, with respect to the quality of the fishery and their level of satisfaction. Agencies have received considerable angler and professional sentiment towards a need for stricter regulations in the Delaware Tailwaters. There is a perception of increased harvest, which is possibly limiting the occurrence of trophy-sized trout, and a strong desire to impose only catch-and-release regulations. Along with the catch data obtained from interviews a few judicious questions soliciting opinions could help the agencies more fully understand angler desires relative to the quantitative measures of the fishery.

It is at the discretion of the creel clerk to pursue gathering angler opinions. The decision not to seek angler opinions would be based on not sacrificing capturing an angler interview at the expense of capturing an angler opinion. The creel clerk will note that this question was unasked due to termination (i.e., checked "Unasked" response) of the interview, rather than an implied "No response". A "Yes" response to Question 1 by definition implies "Unasked" for all remaining angler opinion questions.

Anglers may be reluctant to give any response. The creel clerk will not provide clarification to the question to aid the angler into a response; but the creel clerk should not press the angler for a

response. Should the angler refuse to provide a response, the creel clerk will indicate “No response” to the question.

Questions

QUESTION 1. Have you previously been interviewed for your opinion?

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Yes, skip remaining angler opinion questions, Questions 2 – 3 |
| <input type="checkbox"/> | No, proceed to remaining angler opinion questions, Questions 2 – 3 |
| <input type="checkbox"/> | Unsure, proceed to remaining angler opinion questions, Questions 2 – 3 |

Given the popularity of the fishery and the extended duration of the creel census across multiple months, duplication of responses by individual anglers is a likely possibility. To reduce duplication, which would tend to favor (i.e., weight) responses of anglers who frequent the Delaware Tailwaters, Question 1 seeks to avoid duplication of responses. Should the angler be unable to recall if they had previously responded, then the clerk is to indicate an “Unsure” response and continue to collect that angler’s opinions. The “Unsure” response will help quantify potential skewness to duplication of responses.

QUESTION 2. How satisfied were you with your overall fishing experience(s) in the Delaware Tailwaters in the last 3 years?

Very Satisfied	Satisfied	Dissatisfied	Very dissatisfied	No Response	Unasked
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific reason for response, if any and only if volunteered:

The intent of Question 2 is to characterize anglers’ overall satisfaction for the fishery. Respondents answers will be quantified as a percentage of each category. Alternatively, numeric values could be assigned to each category. Values, 1 – 5, would progressively equate to each category; 1 equating to very satisfied to 5 representing very dissatisfied. Responses would then be expressed using mean and mode statistics.

An open-ended response is provided for Question 2, should the angler voluntarily mention a specific reason for their response. The creel clerk will not specifically query the angler for a specific reason since, responses are not categorized to represent similar responses from other anglers. It is merely for capturing off-hand remarks from the angler, which may provide insight into their response. For example, an angler may be dissatisfied with that particular trip since the trout were not biting, which may unfavorably influence the response, rather than represent the angler’s general overall opinion with the fishery.

QUESTION 3. How important are the below descriptions to you for a satisfactory fishing experience?

	Extremely Important	Very Important	Somewhat Important	Not Important	No Response	Unasked
Catch many trout regardless of size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commonly catch large trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catch at least one 20 inch-sized or larger trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harvest – To catch trout to eat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The intent of Question 3 is to get direct feedback into specific needs to provide a satisfactory fishing experience. Responses for Question 3 will follow the format of Question 2 (i.e., percentages and/or

assigned values). Information gained with this question, will help focus eventual investigations into the efficacy of management goals/strategies.

QUESTION 4. Of the 4 characteristics listed in question 3, which is the most important?

Catch Many Trout	Large Trout	20+ inches	Harvest
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The intent of this question is to identify which characteristic contributes the most towards a satisfactory fishing experience.

Data Organization

Data organization and management is critical for preserving the integrity of collected information. The below numbered sequence outlines the overall process.

1. Gathering/recording
2. Entry
3. Quality control/assurance
4. Storage

Gathering/recording

All data gathered by the creel and flight clerks will be hand recorded on various designated paper forms (Appendices D – H). The exception being, any returned postcards handed out by the creel clerk as a follow up to an incomplete trip, which will require the angler to write their catch/end time information. No data will be electronically entered directly during any interview or count.

Entry

All gathered written data will be transposed into electronic format. Input spreadsheets (Microsoft Excel) will be custom developed for data entry. Spreadsheets will be kept separate for each river and flight censuses. Daily copies will be backed up on a flash drive. Copies of spreadsheets will be passed off to biologist on a bi-weekly basis. All spreadsheets will be combined into a single master spreadsheet at the conclusion of the field season. Creel and flight clerks are responsible for data entry of their respective interviews, counts, and post cards. It is anticipated data entry should be accomplished during down times when no anglers are encountered for interviewing and/or other free moments during a work shift. Preferably, data should be entered no later than two weeks from the initial gathering date.

The creel clerks will also be responsible for recovering submitted post cards from the various drop-boxes on their rivers. As post cards are recovered, the additional data will be matched/stapled to the original interview via the unique ID number; and the excel spreadsheet accordingly updated. Additionally, as necessary, the clerks will re-supply drop-boxes, with pencils.

Quality Control/Quality Assurance

Assurance of data integrity occurs under two generalized procedures: training and data processing. During the initial implementation of the creel survey, biologists will travel with creel clerks during their scheduled times to provide on-the-job training. This will include all aspects of approaching and interacting with anglers; conducting angler counts; handling of gathered data; and familiarizing the creel clerk with agency-specific policies (i.e., travel, vehicle, etc.). At least once-a-month, biologists will accompany creel clerks to ensure protocols are being maintained.

Creel clerks should immediately contact their supervising biologist regarding the handling of questions/problems as they arise. Depending on the severity of the issue and given the limited cellular capabilities within the Delaware Tailwaters, any questions/problems may need to be deferred until the creel clerk regains cellular coverage.

Proper data processing is critical. Upon completing an interview, the creel clerk should immediately review the form to clarify any cryptic comments and penmanship. Once data has been transposed to electronic format, it is the responsibility of the creel clerk to compare the original interview/post card paper copy to the electronic copy, correcting for any mistakes.

Storage

Upon satisfactory collection, processing, and assurances, all paper copies are to be filed sequentially by the interview ID and returned to NYSDEC Region 4. Paper copies are to be accessible until finalization of all data analyzes and acceptance of the final written report. Afterwards, all paper copies can be turned in for long-term storage, as per the agency's policies. All electronic raw data files will be maintained on the PFBC SharePoint site, and individually on respective servers of NYSDEC and PFBC. This protocol and any meta-data files will also accompany the paper and electronic files.

Meta-data files are the documented caveats associated with the datasets. These may reflect alterations (e.g., additions/deletions) of census schedules, data gathering, survey design adjustments, etc. The importance of meta-data increases, in later years when the reasoning for a particular handling of data becomes lost to mental recollection, or the dataset is passed on to a third party. Both the creel and flight clerks, as well as the NYSDEC and PFBC biologists are responsible for maintaining meta-data files. The simplest format for the creel and flight agents is the keeping of a field journal. Similarly, as biologists alter aspects of the survey and/or manipulate/change data these should be logged into a meta-data file. For example, alterations to the survey design can be captured as updates to the original protocol document.

Data Analysis

Characterization and insights into the Delaware Tailwaters are to be provided by well thought-out data analyses. Findings need to clearly and directly answer stated study specific-objectives. These objectives provide the characterization of the fishery; typically expressed in specific numeric quantification. For example, the number of Brown Trout caught in a specific census reach. Additionally, data mining may provide insight into aspects of the fishery that were not originally conceived or not directly attributable to initial study objectives. Information in the meta-data files will aid in guiding the integrity of any data mining.

Characterization of a fishery is separated into several components. Below is a brief overview of each component that will be calculated and the aspect of how it addresses characterizing the fishery. Initial data analysis will be a coordinated effort between NYSDEC and PFBC biologists. Actual calculations of various parameters will follow formulas provided by Pollock et al. (1994) for a roving-creel survey as briefly discussed under the Survey Design Section of this protocol. Ultimately, calculations of the initial survey objectives will be arranged to support a "cookbook" type style for any future iterations.

Three trip types are recognized for purposes of characterizing the Delaware Tailwaters fishery. These are: All-trips, which is inclusive of all anglers; Targeted-trips, which is inclusive of only those fishing trips when anglers specifically targeted capture of trout; and Guided-trips, which is inclusive of only those fishing trips when anglers employed a licensed guide. Calculated parameters will be expressed separately across these trip types. Inclusion of the entire dataset (i.e., all anglers), provides the overall performance of the fishery, by equally representing generalist to avid trout anglers. The other two trip types allow insight into the success of specialized trips.

Anglers tend to fish multiple census reaches during a single fishing trip, particularly those fishing via boats. It is possible when a creel clerk encounters an angler for an interview, that they will have subsequently fished or intend to fish multiple census reaches in a single fishing trip. This behavior conflicts with a stated objective of characterizing the fishery by specific census reaches. Depending on the frequency of reported multiple census reaches fished, catch data may need to be additionally summarized by combined categories. For example, Stilesville+No Kill, Buckingham+Lordville+Long Eddy, Peas Eddy+Buckingham, etc. At least, 30 occurrences per month need to have occurred for data to be summarized in this fashion.

Calculated parameters for the present-day fishery are intended to be directly comparable to similar historic values (McBride 1999). Any comparisons relative to the historic values will potentially identify how the present-day fishery has evolved. For example, anglers are expending a greater amount of effort; catching fewer/more trout; etc. Estimated parameters inclusive of all anglers (i.e., All-trips type, targeted trips), will be compared to historical values. This Data Analysis section is broken down into the following sections:

1. Angler Effort
2. Angler Catch/Harvest
3. Catch Rates
4. Size Distribution
5. Demographics

Angler Effort

Angler effort is a metric designed to quantify the total fishing pressure being applied to the Delaware tailwaters trout population. Higher values, imply a greater fishing pressure; and hence potentially greater stresses (i.e., exhaustion, hooking mortality, etc.) being imposed on the trout population.

Angler effort will be expressed both in terms for hours spent fishing and number of fishing trips, for all types of trips. Estimates will be calculated for the Delaware tailwaters separately by river (i.e., East and West Branches, Delaware River) for the entirety of the survey period (i.e., April – October, combined) and by calendar month within the survey period. Finally, census reach-specific angler effort within each river will also be determined for the entire survey period and by month. These calculations will identify generalized focal points of the fishery. For example, are anglers concentrating effort in one particular river, or census reach, and/or will identify peak(s) of timing of angler use of the fishery.

Estimated effort in reaches where only aerial counts took place will be adjusted based on the mean difference between ground and aerial estimates observed in the count run sections where the two techniques simultaneously overlapped using the following equation.

Adjusted Hours=	Aerial Effort Estimates in Census Reach	X	Ground Effort Estimates in Count Reach
	Aerial Efforts Estimate in Count Reach		

Angler Catch/Harvest

Total angler catch and harvest will be estimated for all trip types. These will be expressed as species-specific numeric values. These values are a measure of how many trout are touched/handled by anglers (i.e., catch) and removed from the trout population (i.e., harvest). Estimations will be calculated for the Delaware tailwaters separately by river (i.e., East and West Branches, Delaware River) for the entirety of the survey period (i.e., April – October, combined) and by calendar month within the survey period. Finally, census reach-specific angler effort within each river will also be determined for the entire survey period and by month.

Catch Rates

Within the Delaware tailwaters fishery, there is the expectation of a high angler catch rate. Present-day fishery management goal is the development of an angler catch rate of 1.0 trout /hr. (Sanford 1992). Estimation of angler catch rates will determine if that management goal has been achieved.

Angler catch rates will be expressed at various levels of resolution, for all fish types. Estimations will be calculated for the Delaware Tailwaters separately by river (i.e., East and West Branches, Delaware River) for the entirety of the survey period (i.e., April – October, combined) and by calendar month within the survey period. Finally, census reach-specific angler effort within each river will also be determined for the entire survey period and by month.

Angler satisfaction can potentially be directly measured with a catch rate metric; higher values equating to more frequent “hook-ups”. Typically, regardless of the fishery, anglers tend to have a higher satisfaction with higher catch rates; in other words, they have a high success rate of actually catching a fish (Arlinghaus 2006). Yet, angler catch rates may also be expected to follow similar trends as the trout population. As the trout population grows angler catch rate may be expected to increase. Correlation of angler catch rates to a fishery-independent relative trout population abundance estimate may offer insight into this observation. Thus, anglers may be able to expect a greater satisfaction with their fishing trip based on estimation of the relative trout population.

Size Distribution

Angler catch can also be evaluated in terms of the sizes of fish being captured and/or harvested. Size distributions are typically expressed as a percentage frequency over all potential sizes available for capture by anglers. Within the Delaware tailwaters fishery there is the expectation of a high probability of capturing a trophy-sized trout (i.e., 16 inches) or larger trout; whereas, harvest sizes, are dictated by a minimum size limit regulation. Typically, angler satisfaction with a fishery has traditionally improved with increased capture of larger trout.

Evaluation of captured fish sizes will occur only by river, over the entire survey period. Known trout movement within the Delaware tailwaters, preclude making conclusive statements for potential spatio-temporal trends of fish sizes.

Angler fish size distributions could be compared to fishery-independent estimations of the trout population. The premise being the fishery-independent estimations of fish sizes are reflective of availability to angler catches. Skewness of angler fish size distributions towards a higher percent frequency of larger trout would be indicative of anglers targeted large-sized trout, particularly of harvested trout sizes. Conversely, a skewed angler capture size distribution towards smaller-sized trout, may be suggestive of cropping; but only if the fishery-independent evaluation suggests large-sized trout are not occurring in the trout population. Yet, other influences may also be attributable to a small fish-sized angler distribution (or large), such as year-class (i.e., size-class) abundance and/or natural mortality, etc.

Demographics

Simple tabular and graphical compilations will be developed to show percentages of each of the data categories collected. Scoring calculations will be used for the opinion data

Milestone Table

Large-scale comprehensive creel surveys can quickly become cumbersome and confusing to the timing and personnel required to accomplish stated objectives. The below milestone table provides a brief summarization of work and personnel resources.

YEAR/TASK	PERSONNEL	J	F	M	A	M	J	J	A	S	O	N	D
2018													
Data collection	3 creel clerks, 4 days/wk, 10 hr shifts 1 flight attendant 4 days/month, 8 hr shifts				✓	✓	✓	✓	✓	✓	✓		
Training/QA/QC	2 Biologists (1 each agency), one day/month, 10 hr shift				✓	✓	✓	✓	✓	✓	✓		
Data Analysis	2 Biologists (1 each agency)											✓	✓
Mini-creel development	2 Biologists (1 ec agency)			✓								✓	✓
2018													
2018 Annual report	2 Biologists (1 each agency)	✓	✓										
Data collection	3 creel clerks, 4 days/wk, 10 hr shifts 1 flight attendant 4 days/month, 8 hr shifts				✓	✓	✓	✓	✓	✓	✓		
Training/QA/QC	2 Biologists (1 ec agency), one day/month, 10 hr shift				✓	✓	✓	✓	✓	✓	✓		
Mini-creel implementation	1 creel clerk in addition to those conducting the full scale-creel, 4 days/wk, 10 hr shifts				✓	✓	✓	✓	✓	✓	✓		
Data Analysis	2 Biologists (1 ec agency)											✓	✓
2020													
2019 Data Analysis	2 Biologists (1 ec agency)	✓											
2019 Final report	2 Biologists (1 ec agency)		✓	✓									

Literature Cited

- Fisheries Investigation Plan for the Delaware Tailwaters 2018-2020, New York State Department of Environmental Conservation and Pennsylvania Fish and Boat Commission, 2017
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TABLE 1. Count reach descriptions for creel clerk vehicle angler counts. Listing for West and East Branches represent continuous counts from the vehicle. Listings for the Delaware River represent vantage point counts within a census reach.

CENSUS REACH	COUNT REACH DESCRIPTION	COUNT REACH LENGTH (MI)
West Branch		
Stilesville	Stilesville weir dam to Rt 17 overpass	2.4
No Kill	Rt 17 overpass to head of Whittaker Is	2.2
Border Water	Riverview Tavern to 0.2 mi below Rt 191 bridge	2.0
East Branch		
Downsville	0.2 mi above Downsville covered bridge to head of Airport Is	3.1
Fish Eddy	Rt 17 overpass below Rest Area to Fish Eddy bridge	2.0
Delaware River		
Junction Pool		3.2
Junction Pool	NYSDEC walk-in access	0.6
River Road	Unimproved boat launch	0.6
Buckingham		5.0
Buckingham	PFBC access boat launch	0.6
Lordville		2.3
Lordville Bridge	NYSDEC walk-in access Factory Bk, PA to 0.5 mi below Abe Lord Ck	2.3
Long Eddy		6.3
Long Eddy	Unimproved boat launch up river to terminus of Acid Factory Rd	1.1
Hankins		4.5
Basket Creek	SR 97 Bridge/NYSDEC Basket Ck access	0.6
Kellam Bridge	Kellam Road Bridge next to NYSDEC walk-in access	0.4
Callicoon		7.4
Tower Rd	Unimproved boat launch off Tower Rd	0.9
Callicoon Rd Bridge	Bridge St bridge in Callicoon, NY	0.5

TABLE 3. Potential Dropbox Locations

LOCATION	WATER	REACH	OWNER
Laurel Bank	WBDR	Stillesville	NYSDEC
Hombeck Sports Shop	WBDR	Stillesville	Private
Oquaga Creek	WBDR	Stillesville	NYSDEC
Men's Club	WBDR	No Kill	NYSDEC
Airport Road	WBDR	No Kill	NYSDEC
Dream Catcher Resort	WBDR	Hale Eddy	Private
Hale Eddy	WBDR	Hale Eddy	NYSDEC
West Branch Angler Resort	WBDR	Hale Eddy	Private
Game Lands	WBDR	Border Water	PA
Game Lands	WBDR	Border Water	PA
Ball's Eddy	WBDR	Border Water	PAFBC
Delaware River Club Resort	WBDR	Border Water	Private
Hancock Sport Shop	WBDR	Border Water	Private
Marino's Sports Shop	WBDR	Border Water	Private
Hancock Rte 191 Bridge	WBDR	Border Water	NYSDEC
Shenhawken	WBDR	Border Water	PAFBC
Junction Pool	DR	Junction Pool	NYSDEC
River Road	DR	Junction Pool	PA
Buckingham	DR	Buckingham	PA
Lordville	DR	Lordville	NYSDEC
Bouchoux Brook	DR	Long Eddy	NYSDEC
Long Eddy	DR	Long Eddy	NYSDEC
Basket Creek	DR	Hankins	NYSDEC
Kellams Bridge	DR	Hankins	NYSDEC
Tower Road	DR	Callicoon	Pennsylvania Lines LLC
Soaring Eagle Camp Ground	DR	Callicoon	Private
Landers Outfitters	DR	Callicoon	Private
Damascus Township	DR	Callicoon	PAFBC
AL's Sport Shop	EBDR	Downsville	Private
Downsville	EBDR	Downsville	Town
Matson Farm	EBDR	Shinhopple	NYSDEC
Terry's Camp	EBDR	Shinhopple	NYSDEC
Long Flats	EBDR	Shinhopple	NYSDEC
Tommenex State Forest	EBDR	Shinhopple	NYSDEC
Buckhorn Lodge	EBDR	Harvard	Private
Sunoco Station	EBDR	Harvard	NYSDEC
East Branch Old 17	EBDR	Harvard	NYSDEC
Rte 17 Rest Stop	EBDR	Fish's Eddy	NYS
Fish's Eddy	EBDR	Peas Eddy	NYSDEC
Pea's Eddy	EBDR	Peas Eddy	NYSDEC
Cadosia	EBDR	Peas Eddy	NYSDEC
Rte 97 Bridge	EBDR	Peas Eddy	NYSDEC
Fireman's Park	EBDR	Peas Eddy	Town

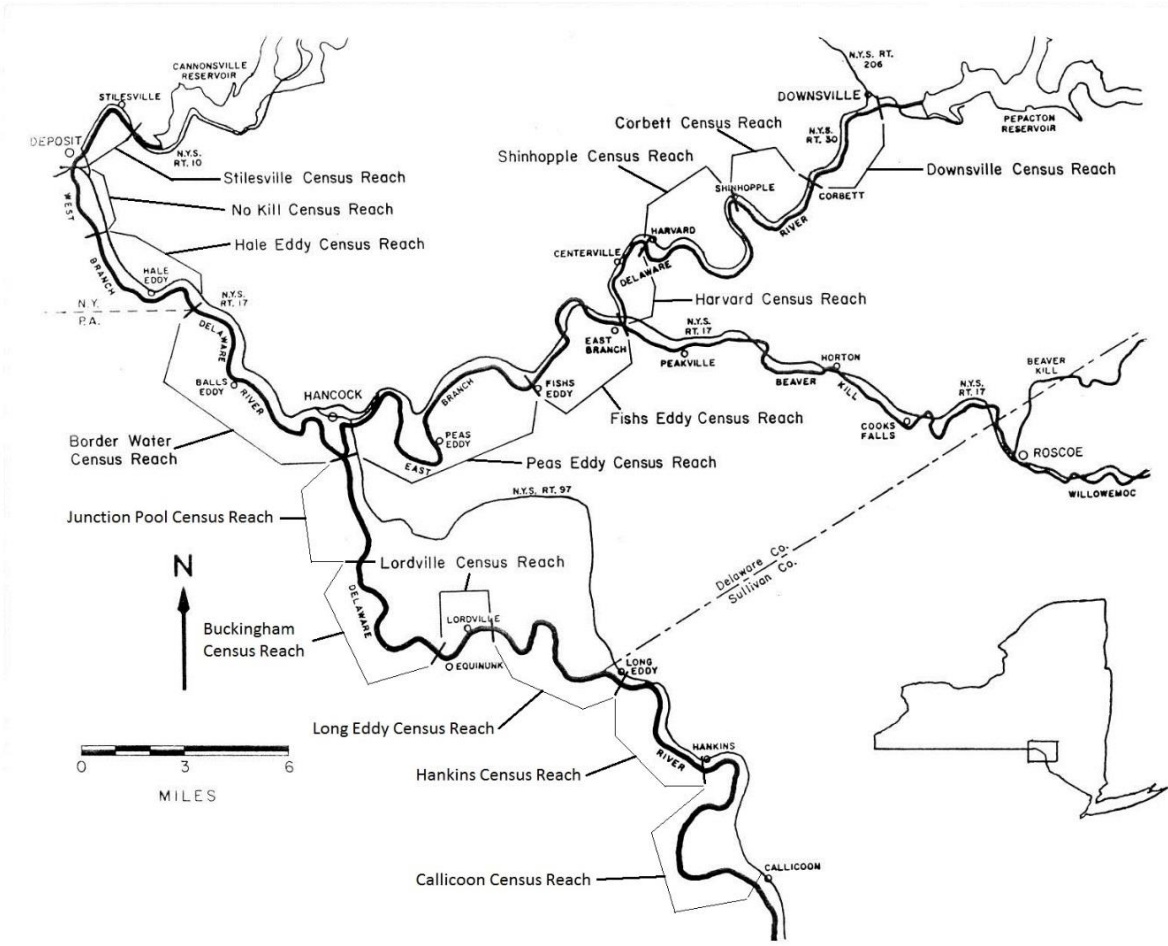


Figure 1. Map of the Delaware Tailwaters showing the creel census reaches on the West Branch, East Branch, and Delaware River.



Figure 2. Map illustrating count vantage points in the Delaware River census reaches.

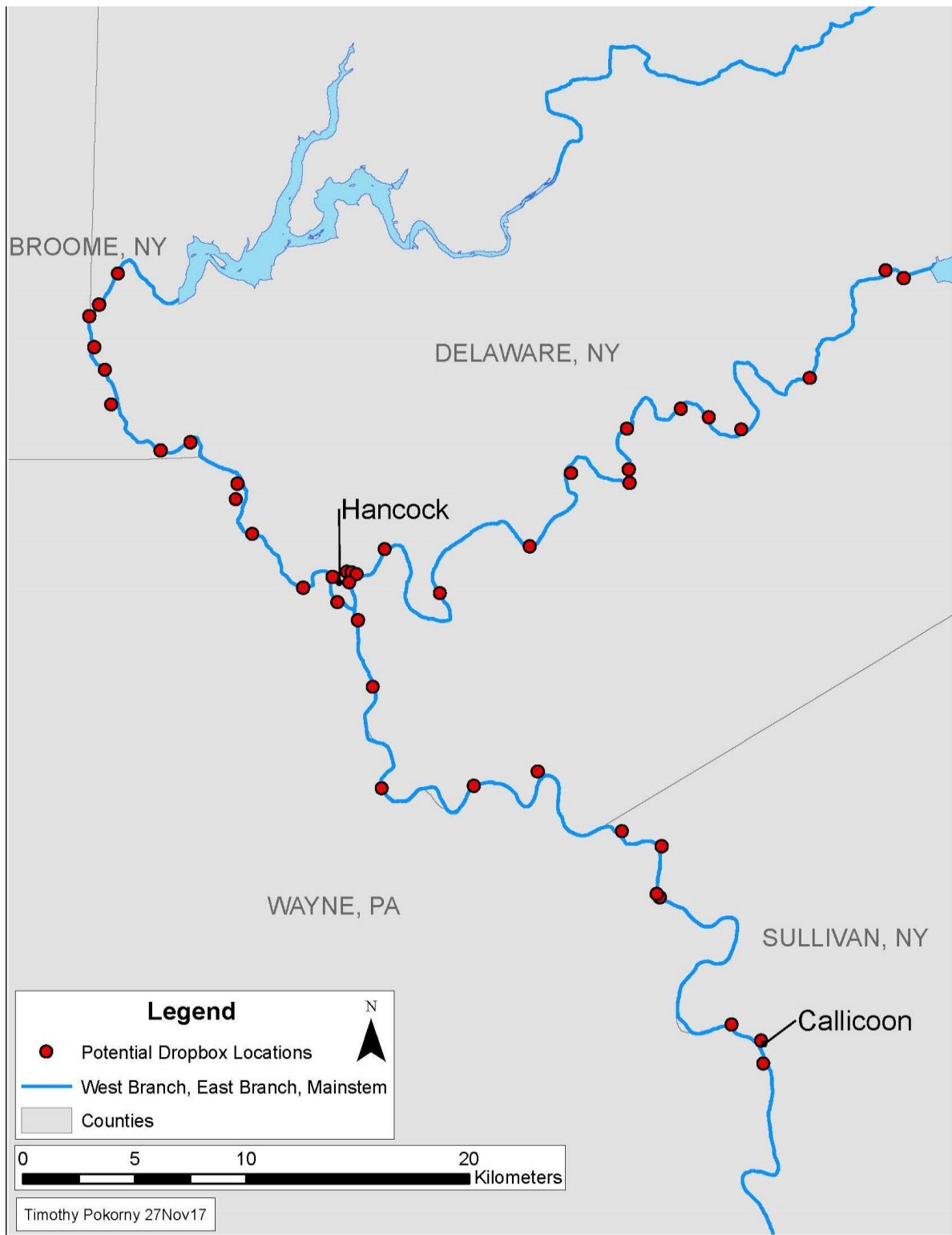


Figure 3. Map illustrating potential dropbox locations in the Delaware River tailwaters.

Appendix A – West Branch Creel Clerk Schedule

Date	Day	Work Shift	Sunrise	Sunset	Start Shift time	On the Water Time	Count #1	Start Census Reach	Start Interview	Count #2	Start Census Reach	Start Interview	Count #3	Start Census Reach	Start Interview	Leave Time	End Shift Time
4/1/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Border Water	1:27 PM	3:27 PM	Stilesville	4:27 PM	6:27 PM	Stilesville	7:27 PM	8:27 PM	9:27 PM
4/2/2018	Mon	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	No Kill	7:44 AM	9:44 AM	Border Water	10:44 AM	12:44 PM	Border Water	1:44 PM	2:44 PM	3:44 PM
4/3/2018	Tue	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	No Kill	7:44 AM	9:44 AM	No Kill	10:44 AM	12:44 PM	Stilesville	1:44 PM	2:44 PM	3:44 PM
4/4/2018	Wed		6:44 AM	7:27 PM													
4/5/2018	Thr		6:44 AM	7:27 PM													
4/6/2018	Fri		6:44 AM	7:27 PM													
4/7/2018	Sat	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	No Kill	1:27 PM	3:27 PM	No Kill	4:27 PM	6:27 PM	Stilesville	7:27 PM	8:27 PM	9:27 PM
4/8/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	No Kill	1:27 PM	3:27 PM	No Kill	4:27 PM	6:27 PM	No Kill	7:27 PM	8:27 PM	9:27 PM
4/9/2018	Mon	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Border Water	1:27 PM	3:27 PM	No Kill	4:27 PM	6:27 PM	Stilesville	7:27 PM	8:27 PM	9:27 PM
4/10/2018	Tue		6:44 AM	7:27 PM													
4/11/2018	Wed		6:44 AM	7:27 PM													
4/12/2018	Thr	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Border Water	1:27 PM	3:27 PM	No Kill	4:27 PM	6:27 PM	Border Water	7:27 PM	8:27 PM	9:27 PM
4/13/2018	Fri		6:44 AM	7:27 PM													
4/14/2018	Sat	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Border Water	7:44 AM	9:44 AM	Stilesville	10:44 AM	12:44 PM	Stilesville	1:44 PM	2:44 PM	3:44 PM
4/15/2018	Sun	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	No Kill	7:44 AM	9:44 AM	No Kill	10:44 AM	12:44 PM	Border Water	1:44 PM	2:44 PM	3:44 PM
4/16/2018	Mon		6:21 AM	7:42 PM													
4/17/2018	Tue		6:21 AM	7:42 PM													
4/18/2018	Wed	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Stilesville	1:42 PM	3:42 PM	Stilesville	4:42 PM	6:42 PM	No Kill	7:42 PM	8:42 PM	9:42 PM
4/19/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Border Water	7:21 AM	9:21 AM	No Kill	10:21 AM	12:21 PM	Stilesville	1:21 PM	2:21 PM	3:21 PM
4/20/2018	Fri		6:21 AM	7:42 PM													
4/21/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	No Kill	1:42 PM	3:42 PM	Stilesville	4:42 PM	6:42 PM	Border Water	7:42 PM	8:42 PM	9:42 PM
4/22/2018	Sun	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	No Kill	7:21 AM	9:21 AM	Border Water	10:21 AM	12:21 PM	Stilesville	1:21 PM	2:21 PM	3:21 PM
4/23/2018	Mon	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	No Kill	1:42 PM	3:42 PM	Stilesville	4:42 PM	6:42 PM	Stilesville	7:42 PM	8:42 PM	9:42 PM
4/24/2018	Tue		6:21 AM	7:42 PM													
4/25/2018	Wed		6:21 AM	7:42 PM													
4/26/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	No Kill	7:21 AM	9:21 AM	Border Water	10:21 AM	12:21 PM	No Kill	1:21 PM	2:21 PM	3:21 PM
4/27/2018	Fri		6:21 AM	7:42 PM													
4/28/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	No Kill	1:42 PM	3:42 PM	Stilesville	4:42 PM	6:42 PM	Border Water	7:42 PM	8:42 PM	9:42 PM
4/29/2018	Sun	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	No Kill	1:42 PM	3:42 PM	Stilesville	4:42 PM	6:42 PM	Stilesville	7:42 PM	8:42 PM	9:42 PM
4/30/2018	Mon		6:21 AM	7:42 PM													

5/1/2018	Tue	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Stilesville	2:00 PM	4:00 PM	Border Water	5:00 PM	7:00 PM	Stilesville	8:00 PM	9:00 PM	10:00 PM
5/2/2018	Wed		5:57 AM	8:00 PM													
5/3/2018	Thr	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Stilesville	2:00 PM	4:00 PM	Border Water	5:00 PM	7:00 PM	No Kill	8:00 PM	9:00 PM	
5/4/2018	Fri		5:57 AM	8:00 PM													
5/5/2018	Sat	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Border Water	6:57 AM	8:57 AM	Border Water	9:57 AM	11:57 AM	Stilesville	12:57 PM	1:57 PM	2:57 PM
5/6/2018	Sun	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	No Kill	2:00 PM	4:00 PM	No Kill	5:00 PM	7:00 PM	Stilesville	8:00 PM	9:00 PM	10:00 PM
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5/8/2018	Tue		5:57 AM	8:00 PM													
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5/10/2018	Thr		5:57 AM	8:00 PM													
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6/29/2018	Fri		5:25 AM	8:38 PM													
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7/15/2018	Sun	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Border Water	2:40 PM	4:40 PM	Border Water	5:40 PM	7:40 PM	Stilesville	8:40 PM	9:40 PM	10:40 PM
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7/17/2018	Tue		5:39 AM	8:35 PM													
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7/21/2018	Sat	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Stilesville	6:39 AM	8:39 AM	Stilesville	9:39 AM	11:39 AM	No Kill	12:39 PM	1:39 PM	2:39 PM
7/22/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Stilesville	2:35 PM	4:35 PM	Stilesville	5:35 PM	7:35 PM	Border Water	8:35 PM	9:35 PM	10:35 PM
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7/24/2018	Tue		5:39 AM	8:35 PM													
7/25/2018	Wed		5:39 AM	8:35 PM													
7/26/2018	Thr	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Stilesville	6:39 AM	8:39 AM	Stilesville	9:39 AM	11:39 AM	No Kill	12:39 PM	1:39 PM	
7/27/2018	Fri		5:39 AM	8:35 PM													
7/28/2018	Sat	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Border Water	2:35 PM	4:35 PM	Border Water	5:35 PM	7:35 PM	No Kill	8:35 PM	9:35 PM	10:35 PM
7/29/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Stilesville	2:35 PM	4:35 PM	No Kill	5:35 PM	7:35 PM	Stilesville	8:35 PM	9:35 PM	10:35 PM
7/30/2018	Mon	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	No Kill	6:39 AM	8:39 AM	Border Water	9:39 AM	11:39 AM	Border Water	12:39 PM	1:39 PM	
7/31/2018	Tue		5:39 AM	8:35 PM													

8/1/2018	Wed		5:55 AM	8:19 PM													
8/2/2018	Thr	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	No Kill	6:55 AM	8:55 AM	No Kill	9:55 AM	11:55 AM	No Kill	12:55 PM	1:55 PM	2:55 PM
8/3/2018	Fri		5:55 AM	8:19 PM													
8/4/2018	Sat	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	No Kill	6:55 AM	8:55 AM	No Kill	9:55 AM	11:55 AM	Stilesville	12:55 PM	1:55 PM	2:55 PM
8/5/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Stilesville	6:55 AM	8:55 AM	Border Water	9:55 AM	11:55 AM	Stilesville	12:55 PM	1:55 PM	2:55 PM
8/6/2018	Mon		5:55 AM	8:19 PM													
8/7/2018	Tue	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Border Water	2:19 PM	4:19 PM	No Kill	5:19 PM	7:19 PM	No Kill	8:19 PM	9:19 PM	10:19 PM
8/8/2018	Wed		5:55 AM	8:19 PM													
8/9/2018	Thr		5:55 AM	8:19 PM													
8/10/2018	Fri	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Stilesville	6:55 AM	8:55 AM	Stilesville	9:55 AM	11:55 AM	No Kill	12:55 PM	1:55 PM	2:55 PM
8/11/2018	Sat	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Border Water	2:19 PM	4:19 PM	Stilesville	5:19 PM	7:19 PM	Border Water	8:19 PM	9:19 PM	10:19 PM
8/12/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Border Water	6:55 AM	8:55 AM	No Kill	9:55 AM	11:55 AM	Stilesville	12:55 PM	1:55 PM	2:55 PM
8/13/2018	Mon	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Stilesville	2:19 PM	4:19 PM	Stilesville	5:19 PM	7:19 PM	No Kill	8:19 PM	9:19 PM	10:19 PM
8/14/2018	Tue		5:55 AM	8:19 PM													
8/15/2018	Wed		5:55 AM	8:19 PM													
8/16/2018	Thr	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	No Kill	7:09 AM	9:09 AM	Border Water	10:09 AM	12:09 PM	Border Water	1:09 PM	2:09 PM	3:09 PM
8/17/2018	Fri		6:09 AM	8:01 PM													
8/18/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Stilesville	7:09 AM	9:09 AM	Border Water	10:09 AM	12:09 PM	No Kill	1:09 PM	2:09 PM	3:09 PM
8/19/2018	Sun	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	No Kill	7:09 AM	9:09 AM	No Kill	10:09 AM	12:09 PM	Border Water	1:09 PM	2:09 PM	3:09 PM
8/20/2018	Mon		6:09 AM	8:01 PM													
8/21/2018	Tue	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	No Kill	7:09 AM	9:09 AM	Border Water	10:09 AM	12:09 PM	Border Water	1:09 PM	2:09 PM	3:09 PM
8/22/2018	Wed		6:09 AM	8:01 PM													
8/23/2018	Thr		6:09 AM	8:01 PM													
8/24/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	No Kill	2:01 PM	4:01 PM	Stilesville	5:01 PM	7:01 PM	Stilesville	8:01 PM	9:01 PM	10:01 PM
8/25/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Border Water	7:09 AM	9:09 AM	No Kill	10:09 AM	12:09 PM	Stilesville	1:09 PM	2:09 PM	3:09 PM
8/26/2018	Sun	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	No Kill	2:01 PM	4:01 PM	Stilesville	5:01 PM	7:01 PM	No Kill	8:01 PM	9:01 PM	10:01 PM
8/27/2018	Mon	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Stilesville	7:09 AM	9:09 AM	Border Water	10:09 AM	12:09 PM	Border Water	1:09 PM	2:09 PM	3:09 PM
8/28/2018	Tue		6:09 AM	8:01 PM													
8/29/2018	Wed		6:09 AM	8:01 PM													
8/30/2018	Thr		6:09 AM	8:01 PM													
8/31/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Stilesville	2:01 PM	4:01 PM	No Kill	5:01 PM	7:01 PM	Stilesville	8:01 PM	9:01 PM	10:01 PM

9/1/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Border Water	7:27 AM	9:27 AM	Border Water	10:27 AM	12:27 PM	No Kill	1:27 PM	2:27 PM	3:27 PM
9/2/2018	Sun	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Border Water	7:27 AM	9:27 AM	Stilesville	10:27 AM	12:27 PM	Stilesville	1:27 PM	2:27 PM	3:27 PM
9/3/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Stilesville	1:35 PM	3:35 PM	Stilesville	4:35 PM	6:35 PM	Border Water	7:35 PM	8:35 PM	9:35 PM
9/4/2018	Tue		6:27 AM	7:35 PM													
9/5/2018	Wed		6:27 AM	7:35 PM													
9/6/2018	Thr		6:27 AM	7:35 PM													
9/7/2018	Fri	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	No Kill	1:35 PM	3:35 PM	Stilesville	4:35 PM	6:35 PM	Stilesville	7:35 PM	8:35 PM	9:35 PM
9/8/2018	Sat	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Border Water	1:35 PM	3:35 PM	No Kill	4:35 PM	6:35 PM	Border Water	7:35 PM	8:35 PM	9:35 PM
9/9/2018	Sun	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Border Water	1:35 PM	3:35 PM	No Kill	4:35 PM	6:35 PM	Border Water	7:35 PM	8:35 PM	9:35 PM
9/10/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	No Kill	1:35 PM	3:35 PM	Border Water	4:35 PM	6:35 PM	No Kill	7:35 PM	8:35 PM	9:35 PM
9/11/2018	Tue		6:27 AM	7:35 PM													
9/12/2018	Wed		6:27 AM	7:35 PM													
9/13/2018	Thr	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Border Water	7:27 AM	9:27 AM	Stilesville	10:27 AM	12:27 PM	Border Water	1:27 PM	2:27 PM	3:27 PM
9/14/2018	Fri		6:27 AM	7:35 PM													
9/15/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Border Water	7:27 AM	9:27 AM	Stilesville	10:27 AM	12:27 PM	Stilesville	1:27 PM	2:27 PM	3:27 PM
9/16/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	No Kill	7:41 AM	9:41 AM	Border Water	10:41 AM	12:41 PM	Stilesville	1:41 PM	2:41 PM	3:41 PM
9/17/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Stilesville	1:11 PM	3:11 PM	Border Water	4:11 PM	6:11 PM	No Kill	7:11 PM	8:11 PM	9:11 PM
9/18/2018	Tue		6:41 AM	7:11 PM													
9/19/2018	Wed		6:41 AM	7:11 PM													
9/20/2018	Thr		6:41 AM	7:11 PM													
9/21/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	No Kill	7:41 AM	9:41 AM	Stilesville	10:41 AM	12:41 PM	No Kill	1:41 PM	2:41 PM	3:41 PM
9/22/2018	Sat	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	Border Water	1:41 PM	2:41 PM	3:41 PM
9/23/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	No Kill	1:41 PM	2:41 PM	3:41 PM
9/24/2018	Mon		6:41 AM	7:11 PM													
9/25/2018	Tue		6:41 AM	7:11 PM													
9/26/2018	Wed	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	Stilesville	10:41 AM	12:41 PM	Border Water	1:41 PM	2:41 PM	3:41 PM
9/27/2018	Thr	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Border Water	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	No Kill	1:41 PM	2:41 PM	3:41 PM
9/28/2018	Fri		6:41 AM	7:11 PM													
9/29/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Stilesville	1:11 PM	3:11 PM	Stilesville	4:11 PM	6:11 PM	Stilesville	7:11 PM	8:11 PM	9:11 PM
9/30/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	Stilesville	10:41 AM	12:41 PM	Border Water	1:41 PM	2:41 PM	3:41 PM

10/1/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Border Water	1:11 PM	3:11 PM	No Kill	4:11 PM	6:11 PM	No Kill	7:11 PM	8:11 PM	9:11 PM
10/2/2018	Tue		6:41 AM	7:11 PM													
10/3/2018	Wed		6:41 AM	7:11 PM													
10/4/2018	Thr		6:41 AM	7:11 PM													
10/5/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Border Water	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	Stilesville	1:41 PM	2:41 PM	3:41 PM
10/6/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Stilesville	1:11 PM	3:11 PM	No Kill	4:11 PM	6:11 PM	Border Water	7:11 PM	8:11 PM	9:11 PM
10/7/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	Border Water	10:41 AM	12:41 PM	Stilesville	1:41 PM	2:41 PM	3:41 PM
10/8/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	Stilesville	1:41 PM	2:41 PM	3:41 PM
10/9/2018	Tue		6:41 AM	7:11 PM													
10/10/2018	Wed		6:41 AM	7:11 PM													
10/11/2018	Thr	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Border Water	1:11 PM	3:11 PM	Border Water	4:11 PM	6:11 PM	Border Water	7:11 PM	8:11 PM	9:11 PM
10/12/2018	Fri		6:41 AM	7:11 PM													
10/13/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	No Kill	1:11 PM	3:11 PM	Stilesville	4:11 PM	6:11 PM	No Kill	7:11 PM	8:11 PM	9:11 PM
10/14/2018	Sun	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Stilesville	1:11 PM	3:11 PM	Stilesville	4:11 PM	6:11 PM	No Kill	7:11 PM	8:11 PM	9:11 PM
10/15/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Stilesville	7:41 AM	9:41 AM	No Kill	10:41 AM	12:41 PM	Stilesville	1:41 PM	2:41 PM	3:41 PM

APPENDIX B – EAST BRANCH CREEL CLERK SCHEDULE

Date	Day	Work Shift	Sunrise	Sunset	Start Shift time	On the Water Time	Count #1	Start Census Reach	Start Interview	Count #2	Start Census Reach	Start Interview	Count #3	Start Census Reach	Start Interview	Leave Time	End Shift Time
4/1/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Downsville	1:27 PM	3:27 PM	Fish Eddy	4:27 PM	6:27 PM	Downsville	7:27 PM	8:27 PM	9:27 PM
4/2/2018	Mon	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Fish Eddy	7:44 AM	9:44 AM	Fish Eddy	10:44 AM	12:44 PM	Downsville	1:44 PM	2:44 PM	3:44 PM
4/3/2018	Tue	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Fish Eddy	7:44 AM	9:44 AM	Fish Eddy	10:44 AM	12:44 PM	Fish Eddy	1:44 PM	2:44 PM	3:44 PM
4/4/2018	Wed		6:44 AM	7:27 PM													
4/5/2018	Thr		6:44 AM	7:27 PM													
4/6/2018	Fri		6:44 AM	7:27 PM													
4/7/2018	Sat	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Fish Eddy	1:27 PM	3:27 PM	Downsville	4:27 PM	6:27 PM	Downsville	7:27 PM	8:27 PM	9:27 PM
4/8/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Downsville	1:27 PM	3:27 PM	Downsville	4:27 PM	6:27 PM	Fish Eddy	7:27 PM	8:27 PM	9:27 PM
4/9/2018	Mon	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Fish Eddy	1:27 PM	3:27 PM	Downsville	4:27 PM	6:27 PM	Downsville	7:27 PM	8:27 PM	9:27 PM
4/10/2018	Tue		6:44 AM	7:27 PM													
4/11/2018	Wed		6:44 AM	7:27 PM													
4/12/2018	Thr	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Downsville	1:27 PM	3:27 PM	Downsville	4:27 PM	6:27 PM	Downsville	7:27 PM	8:27 PM	9:27 PM
4/13/2018	Fri		6:44 AM	7:27 PM													
4/14/2018	Sat	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Downsville	7:44 AM	9:44 AM	Downsville	10:44 AM	12:44 PM	Downsville	1:44 PM	2:44 PM	3:44 PM
4/15/2018	Sun	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Fish Eddy	7:44 AM	9:44 AM	Downsville	10:44 AM	12:44 PM	Downsville	1:44 PM	2:44 PM	3:44 PM
4/16/2018	Mon		6:21 AM	7:42 PM													
4/17/2018	Tue		6:21 AM	7:42 PM													
4/18/2018	Wed	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Fish Eddy	1:42 PM	3:42 PM	Downsville	4:42 PM	6:42 PM	Downsville	7:42 PM	8:42 PM	9:42 PM
4/19/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Fish Eddy	7:21 AM	9:21 AM	Fish Eddy	10:21 AM	12:21 PM	Fish Eddy	1:21 PM	2:21 PM	3:21 PM
4/20/2018	Fri		6:21 AM	7:42 PM													
4/21/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Downsville	1:42 PM	3:42 PM	Downsville	4:42 PM	6:42 PM	Downsville	7:42 PM	8:42 PM	9:42 PM
4/22/2018	Sun	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Downsville	7:21 AM	9:21 AM	Downsville	10:21 AM	12:21 PM	Downsville	1:21 PM	2:21 PM	3:21 PM
4/23/2018	Mon	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Downsville	1:42 PM	3:42 PM	Fish Eddy	4:42 PM	6:42 PM	Downsville	7:42 PM	8:42 PM	9:42 PM
4/24/2018	Tue		6:21 AM	7:42 PM													
4/25/2018	Wed		6:21 AM	7:42 PM													
4/26/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Fish Eddy	7:21 AM	9:21 AM	Fish Eddy	10:21 AM	12:21 PM	Fish Eddy	1:21 PM	2:21 PM	3:21 PM
4/27/2018	Fri		6:21 AM	7:42 PM													
4/28/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Downsville	1:42 PM	3:42 PM	Downsville	4:42 PM	6:42 PM	Downsville	7:42 PM	8:42 PM	9:42 PM
4/29/2018	Sun	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Fish Eddy	1:42 PM	3:42 PM	Downsville	4:42 PM	6:42 PM	Downsville	7:42 PM	8:42 PM	9:42 PM
4/30/2018	Mon		6:21 AM	7:42 PM													

5/1/2018	Tue	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Fish Eddy	2:00 PM	4:00 PM	Downsville	5:00 PM	7:00 PM	Downsville	8:00 PM	9:00 PM	10:00 PM
5/2/2018	Wed		5:57 AM	8:00 PM													
5/3/2018	Thr	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Downsville	2:00 PM	4:00 PM	Downsville	5:00 PM	7:00 PM	Downsville	8:00 PM	9:00 PM	
5/4/2018	Fri		5:57 AM	8:00 PM													
5/5/2018	Sat	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Fish Eddy	6:57 AM	8:57 AM	Fish Eddy	9:57 AM	11:57 AM	Downsville	12:57 PM	1:57 PM	2:57 PM
5/6/2018	Sun	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Fish Eddy	2:00 PM	4:00 PM	Downsville	5:00 PM	7:00 PM	Fish Eddy	8:00 PM	9:00 PM	10:00 PM
5/7/2018	Mon		5:57 AM	8:00 PM													
5/8/2018	Tue		5:57 AM	8:00 PM													
5/9/2018	Wed	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Downsville	2:00 PM	4:00 PM	Downsville	5:00 PM	7:00 PM	Downsville	8:00 PM	9:00 PM	10:00 PM
5/10/2018	Thr		5:57 AM	8:00 PM													
5/11/2018	Fri	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Fish Eddy	6:57 AM	8:57 AM	Fish Eddy	9:57 AM	11:57 AM	Downsville	12:57 PM	1:57 PM	2:57 PM
5/12/2018	Sat	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Fish Eddy	2:00 PM	4:00 PM	Fish Eddy	5:00 PM	7:00 PM	Fish Eddy	8:00 PM	9:00 PM	10:00 PM
5/13/2018	Sun	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Downsville	2:00 PM	4:00 PM	Downsville	5:00 PM	7:00 PM	Fish Eddy	8:00 PM	9:00 PM	10:00 PM
5/14/2018	Mon		5:57 AM	8:00 PM													
5/15/2018	Tue		5:57 AM	8:00 PM													
5/16/2018	Wed	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Downsville	6:57 AM	8:57 AM	Downsville	9:57 AM	11:57 AM	Downsville	12:57 PM	1:57 PM	2:57 PM
5/17/2018	Thr		5:41 AM	8:15 PM													
5/18/2018	Fri	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Downsville	6:41 AM	8:41 AM	Fish Eddy	9:41 AM	11:41 AM	Downsville	12:41 PM	1:41 PM	2:41 PM
5/19/2018	Sat	Afternoon	5:41 AM	8:15 PM	12:15 PM	1:15 PM	1:15 PM	Fish Eddy	2:15 PM	4:15 PM	Fish Eddy	5:15 PM	7:15 PM	Fish Eddy	8:15 PM	9:15 PM	10:15 PM
5/20/2018	Sun	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Fish Eddy	6:41 AM	8:41 AM	Downsville	9:41 AM	11:41 AM	Downsville	12:41 PM	1:41 PM	2:41 PM
5/21/2018	Mon		5:41 AM	8:15 PM													
5/22/2018	Tue		5:41 AM	8:15 PM													
5/23/2018	Wed	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Downsville	6:41 AM	8:41 AM	Downsville	9:41 AM	11:41 AM	Downsville	12:41 PM	1:41 PM	2:41 PM
5/24/2018	Thr		5:41 AM	8:15 PM													
5/25/2018	Fri	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Downsville	6:41 AM	8:41 AM	Downsville	9:41 AM	11:41 AM	Fish Eddy	12:41 PM	1:41 PM	2:41 PM
5/26/2018	Sat	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Downsville	6:41 AM	8:41 AM	Downsville	9:41 AM	11:41 AM	Downsville	12:41 PM	1:41 PM	2:41 PM
5/27/2018	Sun	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Downsville	6:41 AM	8:41 AM	Fish Eddy	9:41 AM	11:41 AM	Fish Eddy	12:41 PM	1:41 PM	2:41 PM
5/28/2018	Mon	Afternoon	5:41 AM	8:15 PM	12:15 PM	1:15 PM	1:15 PM	Downsville	2:15 PM	4:15 PM	Downsville	5:15 PM	7:15 PM	Fish Eddy	8:15 PM	9:15 PM	10:15 PM
5/29/2018	Tue		5:41 AM	8:15 PM													
5/30/2018	Wed		5:41 AM	8:15 PM													
5/31/2018	Thr		5:41 AM	8:15 PM													

6/1/2018	Fri	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Fish Eddy	2:30 PM	4:30 PM	Fish Eddy	5:30 PM	7:30 PM	Downsville	8:30 PM	9:30 PM	10:30 PM
6/2/2018	Sat	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Fish Eddy	2:30 PM	4:30 PM	Downsville	5:30 PM	7:30 PM	Fish Eddy	8:30 PM	9:30 PM	10:30 PM
6/3/2018	Sun	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Fish Eddy	2:30 PM	4:30 PM	Fish Eddy	5:30 PM	7:30 PM	Downsville	8:30 PM	9:30 PM	10:30 PM
6/4/2018	Mon		5:28 AM	8:30 PM													
6/5/2018	Tue	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Fish Eddy	6:28 AM	8:28 AM	Fish Eddy	9:28 AM	11:28 AM	Fish Eddy	12:28 PM	1:28 PM	2:28 PM
6/6/2018	Wed		5:28 AM	8:30 PM													
6/7/2018	Thr		5:28 AM	8:30 PM													
6/8/2018	Fri	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Downsville	2:30 PM	4:30 PM	Fish Eddy	5:30 PM	7:30 PM	Fish Eddy	8:30 PM	9:30 PM	10:30 PM
6/9/2018	Sat	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Fish Eddy	6:28 AM	8:28 AM	Downsville	9:28 AM	11:28 AM	Fish Eddy	12:28 PM	1:28 PM	2:28 PM
6/10/2018	Sun	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Fish Eddy	6:28 AM	8:28 AM	Fish Eddy	9:28 AM	11:28 AM	Downsville	12:28 PM	1:28 PM	2:28 PM
6/11/2018	Mon	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Downsville	6:28 AM	8:28 AM	Downsville	9:28 AM	11:28 AM	Downsville	12:28 PM	1:28 PM	2:28 PM
6/12/2018	Tue		5:28 AM	8:30 PM													
6/13/2018	Wed		5:28 AM	8:30 PM													
6/14/2018	Thr		5:28 AM	8:30 PM													
6/15/2018	Fri	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Downsville	2:38 PM	4:38 PM	Downsville	5:38 PM	7:38 PM	Downsville	8:38 PM	9:38 PM	10:38 PM
6/16/2018	Sat	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Fish Eddy	6:25 AM	8:25 AM	Fish Eddy	9:25 AM	11:25 AM	Fish Eddy	12:25 PM	1:25 PM	2:25 PM
6/17/2018	Sun	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Downsville	6:25 AM	8:25 AM	Downsville	9:25 AM	11:25 AM	Fish Eddy	12:25 PM	1:25 PM	2:25 PM
6/18/2018	Mon		5:25 AM	8:38 PM													
6/19/2018	Tue		5:25 AM	8:38 PM													
6/20/2018	Wed	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Downsville	2:38 PM	4:38 PM	Downsville	5:38 PM	7:38 PM	Fish Eddy	8:38 PM	9:38 PM	10:38 PM
6/21/2018	Thr		5:25 AM	8:38 PM													
6/22/2018	Fri	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Fish Eddy	6:25 AM	8:25 AM	Fish Eddy	9:25 AM	11:25 AM	Fish Eddy	12:25 PM	1:25 PM	2:25 PM
6/23/2018	Sat	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Downsville	6:25 AM	8:25 AM	Fish Eddy	9:25 AM	11:25 AM	Fish Eddy	12:25 PM	1:25 PM	2:25 PM
6/24/2018	Sun	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Downsville	2:38 PM	4:38 PM	Downsville	5:38 PM	7:38 PM	Downsville	8:38 PM	9:38 PM	10:38 PM
6/25/2018	Mon	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Downsville	2:38 PM	4:38 PM	Fish Eddy	5:38 PM	7:38 PM	Downsville	8:38 PM	9:38 PM	10:38 PM
6/26/2018	Tue		5:25 AM	8:38 PM													
6/27/2018	Wed		5:25 AM	8:38 PM													
6/28/2018	Thr	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Fish Eddy	6:25 AM	8:25 AM	Fish Eddy	9:25 AM	11:25 AM	Fish Eddy	12:25 PM	1:25 PM	2:25 PM
6/29/2018	Fri		5:25 AM	8:38 PM													
6/30/2018	Sat	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Downsville	2:38 PM	4:38 PM	Fish Eddy	5:38 PM	7:38 PM	Fish Eddy	8:38 PM	9:38 PM	10:38 PM

7/1/2018	Sun	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Downsville	6:30 AM	8:30 AM	Downsville	9:30 AM	11:30 AM	Downsville	12:30 PM	1:30 PM	2:30 PM
7/2/2018	Mon		5:30 AM	8:40 PM													
7/3/2018	Tue		5:30 AM	8:40 PM													
7/4/2018	Wed	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Downsville	2:40 PM	4:40 PM	Downsville	5:40 PM	7:40 PM	Downsville	8:40 PM	9:40 PM	10:40 PM
7/5/2018	Thr	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Fish Eddy	2:40 PM	4:40 PM	Fish Eddy	5:40 PM	7:40 PM	Fish Eddy	8:40 PM	9:40 PM	10:40 PM
7/6/2018	Fri		5:30 AM	8:40 PM													
7/7/2018	Sat	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Fish Eddy	6:30 AM	8:30 AM	Downsville	9:30 AM	11:30 AM	Downsville	12:30 PM	1:30 PM	2:30 PM
7/8/2018	Sun	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Downsville	6:30 AM	8:30 AM	Fish Eddy	9:30 AM	11:30 AM	Fish Eddy	12:30 PM	1:30 PM	2:30 PM
7/9/2018	Mon		5:30 AM	8:40 PM													
7/10/2018	Tue	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Fish Eddy	6:30 AM	8:30 AM	Fish Eddy	9:30 AM	11:30 AM	Downsville	12:30 PM	1:30 PM	2:30 PM
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7/13/2018	Fri	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Downsville	6:30 AM	8:30 AM	Fish Eddy	9:30 AM	11:30 AM	Downsville	12:30 PM	1:30 PM	2:30 PM
7/14/2018	Sat	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Fish Eddy	6:30 AM	8:30 AM	Downsville	9:30 AM	11:30 AM	Downsville	12:30 PM	1:30 PM	2:30 PM
7/15/2018	Sun	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Downsville	2:40 PM	4:40 PM	Fish Eddy	5:40 PM	7:40 PM	Downsville	8:40 PM	9:40 PM	10:40 PM
7/16/2018	Mon		5:39 AM	8:35 PM													
7/17/2018	Tue		5:39 AM	8:35 PM													
7/18/2018	Wed	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Downsville	6:39 AM	8:39 AM	Fish Eddy	9:39 AM	11:39 AM	Fish Eddy	12:39 PM	1:39 PM	2:39 PM
7/19/2018	Thr		5:39 AM	8:35 PM													
7/20/2018	Fri	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Fish Eddy	2:35 PM	4:35 PM	Fish Eddy	5:35 PM	7:35 PM	Fish Eddy	8:35 PM	9:35 PM	10:35 PM
7/21/2018	Sat	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Downsville	6:39 AM	8:39 AM	Fish Eddy	9:39 AM	11:39 AM	Fish Eddy	12:39 PM	1:39 PM	2:39 PM
7/22/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Downsville	2:35 PM	4:35 PM	Downsville	5:35 PM	7:35 PM	Downsville	8:35 PM	9:35 PM	10:35 PM
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7/25/2018	Wed		5:39 AM	8:35 PM													
7/26/2018	Thr	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Fish Eddy	6:39 AM	8:39 AM	Downsville	9:39 AM	11:39 AM	Fish Eddy	12:39 PM	1:39 PM	
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7/28/2018	Sat	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Fish Eddy	2:35 PM	4:35 PM	Downsville	5:35 PM	7:35 PM	Downsville	8:35 PM	9:35 PM	10:35 PM
7/29/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Fish Eddy	2:35 PM	4:35 PM	Downsville	5:35 PM	7:35 PM	Downsville	8:35 PM	9:35 PM	10:35 PM
7/30/2018	Mon	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Downsville	6:39 AM	8:39 AM	Fish Eddy	9:39 AM	11:39 AM	Fish Eddy	12:39 PM	1:39 PM	
7/31/2018	Tue		5:39 AM	8:35 PM													

8/1/2018	Wed		5:55 AM	8:19 PM													
8/2/2018	Thr	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Fish Eddy	6:55 AM	8:55 AM	Downsville	9:55 AM	11:55 AM	Fish Eddy	12:55 PM	1:55 PM	2:55 PM
8/3/2018	Fri		5:55 AM	8:19 PM													
8/4/2018	Sat	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Fish Eddy	6:55 AM	8:55 AM	Fish Eddy	9:55 AM	11:55 AM	Fish Eddy	12:55 PM	1:55 PM	2:55 PM
8/5/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Downsville	6:55 AM	8:55 AM	Fish Eddy	9:55 AM	11:55 AM	Downsville	12:55 PM	1:55 PM	2:55 PM
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8/7/2018	Tue	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Downsville	2:19 PM	4:19 PM	Downsville	5:19 PM	7:19 PM	Downsville	8:19 PM	9:19 PM	10:19 PM
8/8/2018	Wed		5:55 AM	8:19 PM													
8/9/2018	Thr		5:55 AM	8:19 PM													
8/10/2018	Fri	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Fish Eddy	6:55 AM	8:55 AM	Downsville	9:55 AM	11:55 AM	Fish Eddy	12:55 PM	1:55 PM	2:55 PM
8/11/2018	Sat	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Fish Eddy	2:19 PM	4:19 PM	Fish Eddy	5:19 PM	7:19 PM	Fish Eddy	8:19 PM	9:19 PM	10:19 PM
8/12/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Fish Eddy	6:55 AM	8:55 AM	Fish Eddy	9:55 AM	11:55 AM	Fish Eddy	12:55 PM	1:55 PM	2:55 PM
8/13/2018	Mon	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Fish Eddy	2:19 PM	4:19 PM	Fish Eddy	5:19 PM	7:19 PM	Downsville	8:19 PM	9:19 PM	10:19 PM
8/14/2018	Tue		5:55 AM	8:19 PM													
8/15/2018	Wed		5:55 AM	8:19 PM													
8/16/2018	Thr	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Fish Eddy	7:09 AM	9:09 AM	Fish Eddy	10:09 AM	12:09 PM	Fish Eddy	1:09 PM	2:09 PM	3:09 PM
8/17/2018	Fri		6:09 AM	8:01 PM													
8/18/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Fish Eddy	7:09 AM	9:09 AM	Fish Eddy	10:09 AM	12:09 PM	Downsville	1:09 PM	2:09 PM	3:09 PM
8/19/2018	Sun	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Downsville	7:09 AM	9:09 AM	Downsville	10:09 AM	12:09 PM	Downsville	1:09 PM	2:09 PM	3:09 PM
8/20/2018	Mon		6:09 AM	8:01 PM													
8/21/2018	Tue	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Downsville	7:09 AM	9:09 AM	Downsville	10:09 AM	12:09 PM	Downsville	1:09 PM	2:09 PM	3:09 PM
8/22/2018	Wed		6:09 AM	8:01 PM													
8/23/2018	Thr		6:09 AM	8:01 PM													
8/24/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Downsville	2:01 PM	4:01 PM	Downsville	5:01 PM	7:01 PM	Fish Eddy	8:01 PM	9:01 PM	10:01 PM
8/25/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Fish Eddy	7:09 AM	9:09 AM	Fish Eddy	10:09 AM	12:09 PM	Fish Eddy	1:09 PM	2:09 PM	3:09 PM
8/26/2018	Sun	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Downsville	2:01 PM	4:01 PM	Downsville	5:01 PM	7:01 PM	Downsville	8:01 PM	9:01 PM	10:01 PM
8/27/2018	Mon	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Fish Eddy	7:09 AM	9:09 AM	Downsville	10:09 AM	12:09 PM	Downsville	1:09 PM	2:09 PM	3:09 PM
8/28/2018	Tue		6:09 AM	8:01 PM													
8/29/2018	Wed		6:09 AM	8:01 PM													
8/30/2018	Thr		6:09 AM	8:01 PM													
8/31/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Fish Eddy	2:01 PM	4:01 PM	Downsville	5:01 PM	7:01 PM	Fish Eddy	8:01 PM	9:01 PM	10:01 PM

9/1/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Downsville	7:27 AM	9:27 AM	Downsville	10:27 AM	12:27 PM	Downsville	1:27 PM	2:27 PM	3:27 PM
9/2/2018	Sun	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Downsville	7:27 AM	9:27 AM	Fish Eddy	10:27 AM	12:27 PM	Fish Eddy	1:27 PM	2:27 PM	3:27 PM
9/3/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Fish Eddy	1:35 PM	3:35 PM	Fish Eddy	4:35 PM	6:35 PM	Downsville	7:35 PM	8:35 PM	9:35 PM
9/4/2018	Tue		6:27 AM	7:35 PM													
9/5/2018	Wed		6:27 AM	7:35 PM													
9/6/2018	Thr		6:27 AM	7:35 PM													
9/7/2018	Fri	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Downsville	1:35 PM	3:35 PM	Fish Eddy	4:35 PM	6:35 PM	Fish Eddy	7:35 PM	8:35 PM	9:35 PM
9/8/2018	Sat	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Downsville	1:35 PM	3:35 PM	Downsville	4:35 PM	6:35 PM	Downsville	7:35 PM	8:35 PM	9:35 PM
9/9/2018	Sun	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Downsville	1:35 PM	3:35 PM	Downsville	4:35 PM	6:35 PM	Downsville	7:35 PM	8:35 PM	9:35 PM
9/10/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Downsville	1:35 PM	3:35 PM	Downsville	4:35 PM	6:35 PM	Downsville	7:35 PM	8:35 PM	9:35 PM
9/11/2018	Tue		6:27 AM	7:35 PM													
9/12/2018	Wed		6:27 AM	7:35 PM													
9/13/2018	Thr	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Downsville	7:27 AM	9:27 AM	Fish Eddy	10:27 AM	12:27 PM	Downsville	1:27 PM	2:27 PM	3:27 PM
9/14/2018	Fri		6:27 AM	7:35 PM													
9/15/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Downsville	7:27 AM	9:27 AM	Fish Eddy	10:27 AM	12:27 PM	Fish Eddy	1:27 PM	2:27 PM	3:27 PM
9/16/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Downsville	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Fish Eddy	1:41 PM	2:41 PM	3:41 PM
9/17/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Fish Eddy	1:11 PM	3:11 PM	Downsville	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
9/18/2018	Tue		6:41 AM	7:11 PM													
9/19/2018	Wed		6:41 AM	7:11 PM													
9/20/2018	Thr		6:41 AM	7:11 PM													
9/21/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Downsville	7:41 AM	9:41 AM	Fish Eddy	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM
9/22/2018	Sat	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM
9/23/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM
9/24/2018	Mon		6:41 AM	7:11 PM													
9/25/2018	Tue		6:41 AM	7:11 PM													
9/26/2018	Wed	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Fish Eddy	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM
9/27/2018	Thr	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Downsville	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM
9/28/2018	Fri		6:41 AM	7:11 PM													
9/29/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Fish Eddy	1:11 PM	3:11 PM	Fish Eddy	4:11 PM	6:11 PM	Fish Eddy	7:11 PM	8:11 PM	9:11 PM
9/30/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Fish Eddy	10:41 AM	12:41 PM	Downsville	1:41 PM	2:41 PM	3:41 PM

10/1/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Downsville	1:11 PM	3:11 PM	Downsville	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
10/2/2018	Tue		6:41 AM	7:11 PM													
10/3/2018	Wed		6:41 AM	7:11 PM													
10/4/2018	Thr		6:41 AM	7:11 PM													
10/5/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Downsville	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Fish Eddy	1:41 PM	2:41 PM	3:41 PM
10/6/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Fish Eddy	1:11 PM	3:11 PM	Downsville	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
10/7/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Fish Eddy	1:41 PM	2:41 PM	3:41 PM
10/8/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Fish Eddy	1:41 PM	2:41 PM	3:41 PM
10/9/2018	Tue		6:41 AM	7:11 PM													
10/10/2018	Wed		6:41 AM	7:11 PM													
10/11/2018	Thr	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Downsville	1:11 PM	3:11 PM	Downsville	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
10/12/2018	Fri		6:41 AM	7:11 PM													
10/13/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Downsville	1:11 PM	3:11 PM	Fish Eddy	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
10/14/2018	Sun	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Fish Eddy	1:11 PM	3:11 PM	Fish Eddy	4:11 PM	6:11 PM	Downsville	7:11 PM	8:11 PM	9:11 PM
10/15/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Fish Eddy	7:41 AM	9:41 AM	Downsville	10:41 AM	12:41 PM	Fish Eddy	1:41 PM	2:41 PM	3:41 PM

Appendix C – Delaware River Creel Clerk Schedule

Date	Day	Work Shift	Sunrise	Sunset	Start Shift time	On the Water Time	Count #1	Start Census Reach	Start Interview	Count #2	Start Census Reach	Start Interview	Count #3	Start Census Reach	Start Interview	Leave Time	End Shift Time
4/1/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Long Eddy	1:27 PM	3:27 PM	Junction Pool	4:27 PM	6:27 PM	River Road	7:27 PM	8:27 PM	9:27 PM
4/2/2018	Mon	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Long Eddy	7:44 AM	9:44 AM	Basket Creek	10:44 AM	12:44 PM	Basket Creek	1:44 PM	2:44 PM	3:44 PM
4/3/2018	Tue	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	River Road	7:44 AM	9:44 AM	Long Eddy	10:44 AM	12:44 PM	Lordville	1:44 PM	2:44 PM	3:44 PM
4/4/2018	Wed		6:44 AM	7:27 PM													
4/5/2018	Thr		6:44 AM	7:27 PM													
4/6/2018	Fri		6:44 AM	7:27 PM													
4/7/2018	Sat	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Buckingham	1:27 PM	3:27 PM	Lordville	4:27 PM	6:27 PM	Long Eddy	7:27 PM	8:27 PM	9:27 PM
4/8/2018	Sun	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Junction Pool	1:27 PM	3:27 PM	Buckingham	4:27 PM	6:27 PM	Long Eddy	7:27 PM	8:27 PM	9:27 PM
4/9/2018	Mon	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Long Eddy	1:27 PM	3:27 PM	Kellum Bridge	4:27 PM	6:27 PM	River Road	7:27 PM	8:27 PM	9:27 PM
4/10/2018	Tue		6:44 AM	7:27 PM													
4/11/2018	Wed		6:44 AM	7:27 PM													
4/12/2018	Thr	Afternoon	6:44 AM	7:27 PM	11:27 AM	12:27 PM	12:27 PM	Junction Pool	1:27 PM	3:27 PM	Long Eddy	4:27 PM	6:27 PM	Kellum Bridge	7:27 PM	8:27 PM	9:27 PM
4/13/2018	Fri		6:44 AM	7:27 PM													
4/14/2018	Sat	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Long Eddy	7:44 AM	9:44 AM	River Road	10:44 AM	12:44 PM	River Road	1:44 PM	2:44 PM	3:44 PM
4/15/2018	Sun	Morning	6:44 AM	7:27 PM	5:44 AM	6:44 AM	6:44 AM	Basket Creek	7:44 AM	9:44 AM	Lordville	10:44 AM	12:44 PM	Long Eddy	1:44 PM	2:44 PM	3:44 PM
4/16/2018	Mon		6:21 AM	7:42 PM													
4/17/2018	Tue		6:21 AM	7:42 PM													
4/18/2018	Wed	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Kellum Bridge	1:42 PM	3:42 PM	Kellum Bridge	4:42 PM	6:42 PM	Lordville	7:42 PM	8:42 PM	9:42 PM
4/19/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Buckingham	7:21 AM	9:21 AM	Basket Creek	10:21 AM	12:21 PM	Buckingham	1:21 PM	2:21 PM	3:21 PM
4/20/2018	Fri		6:21 AM	7:42 PM													
4/21/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Junction Pool	1:42 PM	3:42 PM	Buckingham	4:42 PM	6:42 PM	Lordville	7:42 PM	8:42 PM	9:42 PM
4/22/2018	Sun	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Lordville	7:21 AM	9:21 AM	Kellum Bridge	10:21 AM	12:21 PM	Junction Pool	1:21 PM	2:21 PM	3:21 PM
4/23/2018	Mon	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	River Road	1:42 PM	3:42 PM	Long Eddy	4:42 PM	6:42 PM	River Road	7:42 PM	8:42 PM	9:42 PM
4/24/2018	Tue		6:21 AM	7:42 PM													
4/25/2018	Wed		6:21 AM	7:42 PM													
4/26/2018	Thr	Morning	6:21 AM	7:42 PM	5:21 AM	6:21 AM	6:21 AM	Long Eddy	7:21 AM	9:21 AM	Long Eddy	10:21 AM	12:21 PM	Buckingham	1:21 PM	2:21 PM	3:21 PM
4/27/2018	Fri		6:21 AM	7:42 PM													
4/28/2018	Sat	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	River Road	1:42 PM	3:42 PM	Buckingham	4:42 PM	6:42 PM	Long Eddy	7:42 PM	8:42 PM	9:42 PM
4/29/2018	Sun	Afternoon	6:21 AM	7:42 PM	11:42 AM	12:42 PM	12:42 PM	Kellum Bridge	1:42 PM	3:42 PM	Kellum Bridge	4:42 PM	6:42 PM	River Road	7:42 PM	8:42 PM	9:42 PM
4/30/2018	Mon		6:21 AM	7:42 PM													

5/1/2018	Tue	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Kellum Bridge	2:00 PM	4:00 PM	Buckingham	5:00 PM	7:00 PM	Basket Creek	8:00 PM	9:00 PM	10:00 PM
5/2/2018	Wed		5:57 AM	8:00 PM													
5/3/2018	Thr	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Kellum Bridge	2:00 PM	4:00 PM	River Road	5:00 PM	7:00 PM	Basket Creek	8:00 PM	9:00 PM	
5/4/2018	Fri		5:57 AM	8:00 PM													
5/5/2018	Sat	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Long Eddy	6:57 AM	8:57 AM	Long Eddy	9:57 AM	11:57 AM	Kellum Bridge	12:57 PM	1:57 PM	2:57 PM
5/6/2018	Sun	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Kellum Bridge	2:00 PM	4:00 PM	Kellum Bridge	5:00 PM	7:00 PM	Lordville	8:00 PM	9:00 PM	10:00 PM
5/7/2018	Mon		5:57 AM	8:00 PM													
5/8/2018	Tue		5:57 AM	8:00 PM													
5/9/2018	Wed	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Basket Creek	2:00 PM	4:00 PM	Long Eddy	5:00 PM	7:00 PM	Long Eddy	8:00 PM	9:00 PM	10:00 PM
5/10/2018	Thr		5:57 AM	8:00 PM													
5/11/2018	Fri	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Buckingham	6:57 AM	8:57 AM	Kellum Bridge	9:57 AM	11:57 AM	River Road	12:57 PM	1:57 PM	2:57 PM
5/12/2018	Sat	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	River Road	2:00 PM	4:00 PM	Basket Creek	5:00 PM	7:00 PM	Buckingham	8:00 PM	9:00 PM	10:00 PM
5/13/2018	Sun	Afternoon	5:57 AM	8:00 PM	12:00 PM	1:00 PM	1:00 PM	Basket Creek	2:00 PM	4:00 PM	Basket Creek	5:00 PM	7:00 PM	Buckingham	8:00 PM	9:00 PM	10:00 PM
5/14/2018	Mon		5:57 AM	8:00 PM													
5/15/2018	Tue		5:57 AM	8:00 PM													
5/16/2018	Wed	Morning	5:57 AM	8:00 PM	4:57 AM	5:57 AM	5:57 AM	Lordville	6:57 AM	8:57 AM	Junction Pool	9:57 AM	11:57 AM	Kellum Bridge	12:57 PM	1:57 PM	2:57 PM
5/17/2018	Thr		5:41 AM	8:15 PM													
5/18/2018	Fri	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Junction Pool	6:41 AM	8:41 AM	River Road	9:41 AM	11:41 AM	River Road	12:41 PM	1:41 PM	2:41 PM
5/19/2018	Sat	Afternoon	5:41 AM	8:15 PM	12:15 PM	1:15 PM	1:15 PM	Long Eddy	2:15 PM	4:15 PM	Kellum Bridge	5:15 PM	7:15 PM	Kellum Bridge	8:15 PM	9:15 PM	10:15 PM
5/20/2018	Sun	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Lordville	6:41 AM	8:41 AM	Lordville	9:41 AM	11:41 AM	Buckingham	12:41 PM	1:41 PM	2:41 PM
5/21/2018	Mon		5:41 AM	8:15 PM													
5/22/2018	Tue		5:41 AM	8:15 PM													
5/23/2018	Wed	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Junction Pool	6:41 AM	8:41 AM	Basket Creek	9:41 AM	11:41 AM	Long Eddy	12:41 PM	1:41 PM	2:41 PM
5/24/2018	Thr		5:41 AM	8:15 PM													
5/25/2018	Fri	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Basket Creek	6:41 AM	8:41 AM	Long Eddy	9:41 AM	11:41 AM	Lordville	12:41 PM	1:41 PM	2:41 PM
5/26/2018	Sat	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Lordville	6:41 AM	8:41 AM	Buckingham	9:41 AM	11:41 AM	Lordville	12:41 PM	1:41 PM	2:41 PM
5/27/2018	Sun	Morning	5:41 AM	8:15 PM	4:41 AM	5:41 AM	5:41 AM	Long Eddy	6:41 AM	8:41 AM	Kellum Bridge	9:41 AM	11:41 AM	Kellum Bridge	12:41 PM	1:41 PM	2:41 PM
5/28/2018	Mon	Afternoon	5:41 AM	8:15 PM	12:15 PM	1:15 PM	1:15 PM	Kellum Bridge	2:15 PM	4:15 PM	Junction Pool	5:15 PM	7:15 PM	Long Eddy	8:15 PM	9:15 PM	10:15 PM
5/29/2018	Tue		5:41 AM	8:15 PM													
5/30/2018	Wed		5:41 AM	8:15 PM													
5/31/2018	Thr		5:41 AM	8:15 PM													

6/1/2018	Fri	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Long Eddy	2:30 PM	4:30 PM	Kellum Bridge	5:30 PM	7:30 PM	Junction Pool	8:30 PM	9:30 PM	10:30 PM
6/2/2018	Sat	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Lordville	2:30 PM	4:30 PM	Lordville	5:30 PM	7:30 PM	River Road	8:30 PM	9:30 PM	10:30 PM
6/3/2018	Sun	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Long Eddy	2:30 PM	4:30 PM	Kellum Bridge	5:30 PM	7:30 PM	Lordville	8:30 PM	9:30 PM	10:30 PM
6/4/2018	Mon		5:28 AM	8:30 PM													
6/5/2018	Tue	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Buckingham	6:28 AM	8:28 AM	Lordville	9:28 AM	11:28 AM	Lordville	12:28 PM	1:28 PM	2:28 PM
6/6/2018	Wed		5:28 AM	8:30 PM													
6/7/2018	Thr		5:28 AM	8:30 PM													
6/8/2018	Fri	Afternoon	5:28 AM	8:30 PM	12:30 PM	1:30 PM	1:30 PM	Buckingham	2:30 PM	4:30 PM	River Road	5:30 PM	7:30 PM	Buckingham	8:30 PM	9:30 PM	10:30 PM
6/9/2018	Sat	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Lordville	6:28 AM	8:28 AM	Kellum Bridge	9:28 AM	11:28 AM	Junction Pool	12:28 PM	1:28 PM	2:28 PM
6/10/2018	Sun	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	River Road	6:28 AM	8:28 AM	Junction Pool	9:28 AM	11:28 AM	Kellum Bridge	12:28 PM	1:28 PM	2:28 PM
6/11/2018	Mon	Morning	5:28 AM	8:30 PM	4:28 AM	5:28 AM	5:28 AM	Lordville	6:28 AM	8:28 AM	Kellum Bridge	9:28 AM	11:28 AM	Kellum Bridge	12:28 PM	1:28 PM	2:28 PM
6/12/2018	Tue		5:28 AM	8:30 PM													
6/13/2018	Wed		5:28 AM	8:30 PM													
6/14/2018	Thr		5:28 AM	8:30 PM													
6/15/2018	Fri	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Kellum Bridge	2:38 PM	4:38 PM	River Road	5:38 PM	7:38 PM	Lordville	8:38 PM	9:38 PM	10:38 PM
6/16/2018	Sat	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Lordville	6:25 AM	8:25 AM	Junction Pool	9:25 AM	11:25 AM	Junction Pool	12:25 PM	1:25 PM	2:25 PM
6/17/2018	Sun	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Kellum Bridge	6:25 AM	8:25 AM	Kellum Bridge	9:25 AM	11:25 AM	Junction Pool	12:25 PM	1:25 PM	2:25 PM
6/18/2018	Mon		5:25 AM	8:38 PM													
6/19/2018	Tue		5:25 AM	8:38 PM													
6/20/2018	Wed	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Buckingham	2:38 PM	4:38 PM	Junction Pool	5:38 PM	7:38 PM	Basket Creek	8:38 PM	9:38 PM	10:38 PM
6/21/2018	Thr		5:25 AM	8:38 PM													
6/22/2018	Fri	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Long Eddy	6:25 AM	8:25 AM	Kellum Bridge	9:25 AM	11:25 AM	Long Eddy	12:25 PM	1:25 PM	2:25 PM
6/23/2018	Sat	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	Lordville	6:25 AM	8:25 AM	Lordville	9:25 AM	11:25 AM	Lordville	12:25 PM	1:25 PM	2:25 PM
6/24/2018	Sun	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Basket Creek	2:38 PM	4:38 PM	River Road	5:38 PM	7:38 PM	Buckingham	8:38 PM	9:38 PM	10:38 PM
6/25/2018	Mon	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	River Road	2:38 PM	4:38 PM	Kellum Bridge	5:38 PM	7:38 PM	River Road	8:38 PM	9:38 PM	10:38 PM
6/26/2018	Tue		5:25 AM	8:38 PM													
6/27/2018	Wed		5:25 AM	8:38 PM													
6/28/2018	Thr	Morning	5:25 AM	8:38 PM	4:25 AM	5:25 AM	5:25 AM	River Road	6:25 AM	8:25 AM	Kellum Bridge	9:25 AM	11:25 AM	Junction Pool	12:25 PM	1:25 PM	2:25 PM
6/29/2018	Fri		5:25 AM	8:38 PM													
6/30/2018	Sat	Afternoon	5:25 AM	8:38 PM	12:38 PM	1:38 PM	1:38 PM	Basket Creek	2:38 PM	4:38 PM	Kellum Bridge	5:38 PM	7:38 PM	Kellum Bridge	8:38 PM	9:38 PM	10:38 PM

7/1/2018	Sun	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Lordville	6:30 AM	8:30 AM	Long Eddy	9:30 AM	11:30 AM	Long Eddy	12:30 PM	1:30 PM	2:30 PM
7/2/2018	Mon		5:30 AM	8:40 PM													
7/3/2018	Tue		5:30 AM	8:40 PM													
7/4/2018	Wed	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Long Eddy	2:40 PM	4:40 PM	Junction Pool	5:40 PM	7:40 PM	Basket Creek	8:40 PM	9:40 PM	10:40 PM
7/5/2018	Thr	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Long Eddy	2:40 PM	4:40 PM	Junction Pool	5:40 PM	7:40 PM	River Road	8:40 PM	9:40 PM	10:40 PM
7/6/2018	Fri		5:30 AM	8:40 PM													
7/7/2018	Sat	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Long Eddy	6:30 AM	8:30 AM	Kellum Bridge	9:30 AM	11:30 AM	Buckingham	12:30 PM	1:30 PM	2:30 PM
7/8/2018	Sun	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Long Eddy	6:30 AM	8:30 AM	Junction Pool	9:30 AM	11:30 AM	Junction Pool	12:30 PM	1:30 PM	2:30 PM
7/9/2018	Mon		5:30 AM	8:40 PM													
7/10/2018	Tue	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Basket Creek	6:30 AM	8:30 AM	Kellum Bridge	9:30 AM	11:30 AM	Kellum Bridge	12:30 PM	1:30 PM	2:30 PM
7/11/2018	Wed		5:30 AM	8:40 PM													
7/12/2018	Thr		5:30 AM	8:40 PM													
7/13/2018	Fri	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Lordville	6:30 AM	8:30 AM	Long Eddy	9:30 AM	11:30 AM	Long Eddy	12:30 PM	1:30 PM	2:30 PM
7/14/2018	Sat	Morning	5:30 AM	8:40 PM	4:30 AM	5:30 AM	5:30 AM	Long Eddy	6:30 AM	8:30 AM	Junction Pool	9:30 AM	11:30 AM	Basket Creek	12:30 PM	1:30 PM	2:30 PM
7/15/2018	Sun	Afternoon	5:30 AM	8:40 PM	12:40 PM	1:40 PM	1:40 PM	Long Eddy	2:40 PM	4:40 PM	Junction Pool	5:40 PM	7:40 PM	River Road	8:40 PM	9:40 PM	10:40 PM
7/16/2018	Mon		5:39 AM	8:35 PM													
7/17/2018	Tue		5:39 AM	8:35 PM													
7/18/2018	Wed	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Buckingham	6:39 AM	8:39 AM	Kellum Bridge	9:39 AM	11:39 AM	Junction Pool	12:39 PM	1:39 PM	2:39 PM
7/19/2018	Thr		5:39 AM	8:35 PM													
7/20/2018	Fri	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	River Road	2:35 PM	4:35 PM	River Road	5:35 PM	7:35 PM	Long Eddy	8:35 PM	9:35 PM	10:35 PM
7/21/2018	Sat	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Basket Creek	6:39 AM	8:39 AM	Junction Pool	9:39 AM	11:39 AM	Long Eddy	12:39 PM	1:39 PM	2:39 PM
7/22/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Lordville	2:35 PM	4:35 PM	Kellum Bridge	5:35 PM	7:35 PM	Basket Creek	8:35 PM	9:35 PM	10:35 PM
7/23/2018	Mon		5:39 AM	8:35 PM													
7/24/2018	Tue		5:39 AM	8:35 PM													
7/25/2018	Wed		5:39 AM	8:35 PM													
7/26/2018	Thr	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Lordville	6:39 AM	8:39 AM	Basket Creek	9:39 AM	11:39 AM	Long Eddy	12:39 PM	1:39 PM	
7/27/2018	Fri		5:39 AM	8:35 PM													
7/28/2018	Sat	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	River Road	2:35 PM	4:35 PM	Basket Creek	5:35 PM	7:35 PM	River Road	8:35 PM	9:35 PM	10:35 PM
7/29/2018	Sun	Afternoon	5:39 AM	8:35 PM	12:35 PM	1:35 PM	1:35 PM	Basket Creek	2:35 PM	4:35 PM	Basket Creek	5:35 PM	7:35 PM	River Road	8:35 PM	9:35 PM	10:35 PM
7/30/2018	Mon	Morning	5:39 AM	8:35 PM	4:39 AM	5:39 AM	5:39 AM	Basket Creek	6:39 AM	8:39 AM	Kellum Bridge	9:39 AM	11:39 AM	Buckingham	12:39 PM	1:39 PM	
7/31/2018	Tue		5:39 AM	8:35 PM													

8/1/2018	Wed		5:55 AM	8:19 PM													
8/2/2018	Thr	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Junction Pool	6:55 AM	8:55 AM	Basket Creek	9:55 AM	11:55 AM	Basket Creek	12:55 PM	1:55 PM	2:55 PM
8/3/2018	Fri		5:55 AM	8:19 PM													
8/4/2018	Sat	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Basket Creek	6:55 AM	8:55 AM	River Road	9:55 AM	11:55 AM	River Road	12:55 PM	1:55 PM	2:55 PM
8/5/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	River Road	6:55 AM	8:55 AM	Long Eddy	9:55 AM	11:55 AM	Buckingham	12:55 PM	1:55 PM	2:55 PM
8/6/2018	Mon		5:55 AM	8:19 PM													
8/7/2018	Tue	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Junction Pool	2:19 PM	4:19 PM	Junction Pool	5:19 PM	7:19 PM	Buckingham	8:19 PM	9:19 PM	10:19 PM
8/8/2018	Wed		5:55 AM	8:19 PM													
8/9/2018	Thr		5:55 AM	8:19 PM													
8/10/2018	Fri	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	River Road	6:55 AM	8:55 AM	Lordville	9:55 AM	11:55 AM	Buckingham	12:55 PM	1:55 PM	2:55 PM
8/11/2018	Sat	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Junction Pool	2:19 PM	4:19 PM	River Road	5:19 PM	7:19 PM	Basket Creek	8:19 PM	9:19 PM	10:19 PM
8/12/2018	Sun	Morning	5:55 AM	8:19 PM	4:55 AM	5:55 AM	5:55 AM	Junction Pool	6:55 AM	8:55 AM	River Road	9:55 AM	11:55 AM	Basket Creek	12:55 PM	1:55 PM	2:55 PM
8/13/2018	Mon	Afternoon	5:55 AM	8:19 PM	12:19 PM	1:19 PM	1:19 PM	Long Eddy	2:19 PM	4:19 PM	Long Eddy	5:19 PM	7:19 PM	Lordville	8:19 PM	9:19 PM	10:19 PM
8/14/2018	Tue		5:55 AM	8:19 PM													
8/15/2018	Wed		5:55 AM	8:19 PM													
8/16/2018	Thr	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Junction Pool	7:09 AM	9:09 AM	Basket Creek	10:09 AM	12:09 PM	Buckingham	1:09 PM	2:09 PM	3:09 PM
8/17/2018	Fri		6:09 AM	8:01 PM													
8/18/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Junction Pool	7:09 AM	9:09 AM	Basket Creek	10:09 AM	12:09 PM	Buckingham	1:09 PM	2:09 PM	3:09 PM
8/19/2018	Sun	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Kellum Bridge	7:09 AM	9:09 AM	Kellum Bridge	10:09 AM	12:09 PM	Buckingham	1:09 PM	2:09 PM	3:09 PM
8/20/2018	Mon		6:09 AM	8:01 PM													
8/21/2018	Tue	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Kellum Bridge	7:09 AM	9:09 AM	Lordville	10:09 AM	12:09 PM	Junction Pool	1:09 PM	2:09 PM	3:09 PM
8/22/2018	Wed		6:09 AM	8:01 PM													
8/23/2018	Thr		6:09 AM	8:01 PM													
8/24/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Kellum Bridge	2:01 PM	4:01 PM	Basket Creek	5:01 PM	7:01 PM	River Road	8:01 PM	9:01 PM	10:01 PM
8/25/2018	Sat	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	River Road	7:09 AM	9:09 AM	Long Eddy	10:09 AM	12:09 PM	River Road	1:09 PM	2:09 PM	3:09 PM
8/26/2018	Sun	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Kellum Bridge	2:01 PM	4:01 PM	Basket Creek	5:01 PM	7:01 PM	Kellum Bridge	8:01 PM	9:01 PM	10:01 PM
8/27/2018	Mon	Morning	6:09 AM	8:01 PM	5:09 AM	6:09 AM	6:09 AM	Long Eddy	7:09 AM	9:09 AM	Junction Pool	10:09 AM	12:09 PM	Kellum Bridge	1:09 PM	2:09 PM	3:09 PM
8/28/2018	Tue		6:09 AM	8:01 PM													
8/29/2018	Wed		6:09 AM	8:01 PM													
8/30/2018	Thr		6:09 AM	8:01 PM													
8/31/2018	Fri	Afternoon	6:09 AM	8:01 PM	12:01 PM	1:01 PM	1:01 PM	Long Eddy	2:01 PM	4:01 PM	Basket Creek	5:01 PM	7:01 PM	Basket Creek	8:01 PM	9:01 PM	10:01 PM

9/1/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Buckingham	7:27 AM	9:27 AM	River Road	10:27 AM	12:27 PM	Lordville	1:27 PM	2:27 PM	3:27 PM
9/2/2018	Sun	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Junction Pool	7:27 AM	9:27 AM	Basket Creek	10:27 AM	12:27 PM	Junction Pool	1:27 PM	2:27 PM	3:27 PM
9/3/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Junction Pool	1:35 PM	3:35 PM	Kellum Bridge	4:35 PM	6:35 PM	Junction Pool	7:35 PM	8:35 PM	9:35 PM
9/4/2018	Tue		6:27 AM	7:35 PM													
9/5/2018	Wed		6:27 AM	7:35 PM													
9/6/2018	Thr		6:27 AM	7:35 PM													
9/7/2018	Fri	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Long Eddy	1:35 PM	3:35 PM	Long Eddy	4:35 PM	6:35 PM	River Road	7:35 PM	8:35 PM	9:35 PM
9/8/2018	Sat	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	River Road	1:35 PM	3:35 PM	Lordville	4:35 PM	6:35 PM	Kellum Bridge	7:35 PM	8:35 PM	9:35 PM
9/9/2018	Sun	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Long Eddy	1:35 PM	3:35 PM	Basket Creek	4:35 PM	6:35 PM	Lordville	7:35 PM	8:35 PM	9:35 PM
9/10/2018	Mon	Afternoon	6:27 AM	7:35 PM	11:35 AM	12:35 PM	12:35 PM	Buckingham	1:35 PM	3:35 PM	Basket Creek	4:35 PM	6:35 PM	Lordville	7:35 PM	8:35 PM	9:35 PM
9/11/2018	Tue		6:27 AM	7:35 PM													
9/12/2018	Wed		6:27 AM	7:35 PM													
9/13/2018	Thr	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Buckingham	7:27 AM	9:27 AM	Buckingham	10:27 AM	12:27 PM	Lordville	1:27 PM	2:27 PM	3:27 PM
9/14/2018	Fri		6:27 AM	7:35 PM													
9/15/2018	Sat	Morning	6:27 AM	7:35 PM	5:27 AM	6:27 AM	6:27 AM	Junction Pool	7:27 AM	9:27 AM	Kellum Bridge	10:27 AM	12:27 PM	Junction Pool	1:27 PM	2:27 PM	3:27 PM
9/16/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Long Eddy	7:41 AM	9:41 AM	River Road	10:41 AM	12:41 PM	Kellum Bridge	1:41 PM	2:41 PM	3:41 PM
9/17/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Basket Creek	1:11 PM	3:11 PM	Lordville	4:11 PM	6:11 PM	Buckingham	7:11 PM	8:11 PM	9:11 PM
9/18/2018	Tue		6:41 AM	7:11 PM													
9/19/2018	Wed		6:41 AM	7:11 PM													
9/20/2018	Thr		6:41 AM	7:11 PM													
9/21/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Buckingham	7:41 AM	9:41 AM	Long Eddy	10:41 AM	12:41 PM	Long Eddy	1:41 PM	2:41 PM	3:41 PM
9/22/2018	Sat	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Junction Pool	7:41 AM	9:41 AM	Long Eddy	10:41 AM	12:41 PM	Junction Pool	1:41 PM	2:41 PM	3:41 PM
9/23/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Lordville	7:41 AM	9:41 AM	Kellum Bridge	10:41 AM	12:41 PM	River Road	1:41 PM	2:41 PM	3:41 PM
9/24/2018	Mon		6:41 AM	7:11 PM													
9/25/2018	Tue		6:41 AM	7:11 PM													
9/26/2018	Wed	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Basket Creek	7:41 AM	9:41 AM	Kellum Bridge	10:41 AM	12:41 PM	Long Eddy	1:41 PM	2:41 PM	3:41 PM
9/27/2018	Thr	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Buckingham	7:41 AM	9:41 AM	Buckingham	10:41 AM	12:41 PM	Basket Creek	1:41 PM	2:41 PM	3:41 PM
9/28/2018	Fri		6:41 AM	7:11 PM													
9/29/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Junction Pool	1:11 PM	3:11 PM	Junction Pool	4:11 PM	6:11 PM	Lordville	7:11 PM	8:11 PM	9:11 PM
9/30/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Kellum Bridge	7:41 AM	9:41 AM	Junction Pool	10:41 AM	12:41 PM	Kellum Bridge	1:41 PM	2:41 PM	3:41 PM

10/1/2018	Mon	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Junction Pool	1:11 PM	3:11 PM	Basket Creek	4:11 PM	6:11 PM	River Road	7:11 PM	8:11 PM	9:11 PM
10/2/2018	Tue		6:41 AM	7:11 PM													
10/3/2018	Wed		6:41 AM	7:11 PM													
10/4/2018	Thr		6:41 AM	7:11 PM													
10/5/2018	Fri	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Lordville	7:41 AM	9:41 AM	Lordville	10:41 AM	12:41 PM	Lordville	1:41 PM	2:41 PM	3:41 PM
10/6/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Buckingham	1:11 PM	3:11 PM	Basket Creek	4:11 PM	6:11 PM	River Road	7:11 PM	8:11 PM	9:11 PM
10/7/2018	Sun	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Basket Creek	7:41 AM	9:41 AM	River Road	10:41 AM	12:41 PM	Basket Creek	1:41 PM	2:41 PM	3:41 PM
10/8/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Buckingham	7:41 AM	9:41 AM	Buckingham	10:41 AM	12:41 PM	Basket Creek	1:41 PM	2:41 PM	3:41 PM
10/9/2018	Tue		6:41 AM	7:11 PM													
10/10/2018	Wed		6:41 AM	7:11 PM													
10/11/2018	Thr	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Junction Pool	1:11 PM	3:11 PM	Basket Creek	4:11 PM	6:11 PM	Lordville	7:11 PM	8:11 PM	9:11 PM
10/12/2018	Fri		6:41 AM	7:11 PM													
10/13/2018	Sat	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Long Eddy	1:11 PM	3:11 PM	Basket Creek	4:11 PM	6:11 PM	River Road	7:11 PM	8:11 PM	9:11 PM
10/14/2018	Sun	Afternoon	6:41 AM	7:11 PM	11:11 AM	12:11 PM	12:11 PM	Lordville	1:11 PM	3:11 PM	Lordville	4:11 PM	6:11 PM	Long Eddy	7:11 PM	8:11 PM	9:11 PM
10/15/2018	Mon	Morning	6:41 AM	7:11 PM	5:41 AM	6:41 AM	6:41 AM	Lordville	7:41 AM	9:41 AM	Lordville	10:41 AM	12:41 PM	Kellum Bridge	1:41 PM	2:41 PM	3:41 PM

Appendix D – Vehicle Angler Count Form

ANGLER COUNT

WATER: _____

DATE: _____

SECTION: _____

COUNT NUMBER

1

2

3

4

5

TIME	TIME	TIME	TIME	TIME
Start:	Start:	Start:	Start:	Start:
Finish:	Finish:	Finish:	Finish:	Finish:
Total:	Total:	Total:	Total:	Total:

SECTION: _____

COUNT NUMBER

1

2

3

4

5

TIME	TIME	TIME	TIME	TIME
Start:	Start:	Start:	Start:	Start:
Finish:	Finish:	Finish:	Finish:	Finish:
Total:	Total:	Total:	Total:	Total:

SECTION: _____

COUNT NUMBER

1

2

3

4

5

TIME	TIME	TIME	TIME	TIME
Start:	Start:	Start:	Start:	Start:
Finish:	Finish:	Finish:	Finish:	Finish:
Total:	Total:	Total:	Total:	Total:

SECTION: _____

COUNT NUMBER

1

2

3

4

5

Appendix E – Aerial Flight Schedule

Date	Day	Start Time	Sunrise	Sunset	Approx. Count time	Coord. Creel Cnt No.
4/1/2018	Sun		6:44 AM	7:27 PM		
4/2/2018	Mon		6:44 AM	7:27 PM		
4/3/2018	Tue		6:44 AM	7:27 PM		
4/4/2018	Wed		6:44 AM	7:27 PM		
4/5/2018	Thr		6:44 AM	7:27 PM		
4/6/2018	Fri		6:44 AM	7:27 PM		
4/7/2018	Sat		6:44 AM	7:27 PM		
4/8/2018	Sun		6:44 AM	7:27 PM		
4/9/2018	Mon		6:44 AM	7:27 PM		
4/10/2018	Tue		6:44 AM	7:27 PM		
4/11/2018	Wed		6:44 AM	7:27 PM		
4/12/2018	Thr		6:44 AM	7:27 PM		
4/13/2018	Fri		6:44 AM	7:27 PM		
4/14/2018	Sat		6:44 AM	7:27 PM		
4/15/2018	Sun	Morning	6:44 AM	7:27 PM	1:44 PM	3
4/16/2018	Mon		6:21 AM	7:42 PM		
4/17/2018	Tue		6:21 AM	7:42 PM		
4/18/2018	Wed		6:21 AM	7:42 PM		
4/19/2018	Thr	Morning	6:21 AM	7:42 PM	1:21 PM	3
4/20/2018	Fri		6:21 AM	7:42 PM		
4/21/2018	Sat		6:21 AM	7:42 PM		
4/22/2018	Sun	Morning	6:21 AM	7:42 PM	7:21 AM	1
4/23/2018	Mon	Afternoon	6:21 AM	7:42 PM	3:42 PM	2
4/24/2018	Tue		6:21 AM	7:42 PM		
4/25/2018	Wed		6:21 AM	7:42 PM		
4/26/2018	Thr		6:21 AM	7:42 PM		
4/27/2018	Fri		6:21 AM	7:42 PM		
4/28/2018	Sat		6:21 AM	7:42 PM		
4/29/2018	Sun		6:21 AM	7:42 PM		
4/30/2018	Mon		6:21 AM	7:42 PM		

5/1/2018	Tue		5:57 AM	8:00 PM		
5/2/2018	Wed		5:57 AM	8:00 PM		
5/3/2018	Thr		5:57 AM	8:00 PM		
5/4/2018	Fri		5:57 AM	8:00 PM		
5/5/2018	Sat		5:57 AM	8:00 PM		
5/6/2018	Sun	Afternoon	5:57 AM	8:00 PM	1:00 PM	1
5/7/2018	Mon		5:57 AM	8:00 PM		
5/8/2018	Tue		5:57 AM	8:00 PM		
5/9/2018	Wed		5:57 AM	8:00 PM		
5/10/2018	Thr		5:57 AM	8:00 PM		
5/11/2018	Fri	Morning	5:57 AM	8:00 PM	12:57 PM	3
5/12/2018	Sat	Afternoon	5:57 AM	8:00 PM	7:00 PM	3
5/13/2018	Sun		5:57 AM	8:00 PM		
5/14/2018	Mon		5:57 AM	8:00 PM		
5/15/2018	Tue		5:57 AM	8:00 PM		
5/16/2018	Wed		5:41 AM	8:15 PM		
5/17/2018	Thr		5:41 AM	8:15 PM		
5/18/2018	Fri		5:41 AM	8:15 PM		
5/19/2018	Sat		5:41 AM	8:15 PM		
5/20/2018	Sun		5:41 AM	8:15 PM		
5/21/2018	Mon		5:41 AM	8:15 PM		
5/22/2018	Tue		5:41 AM	8:15 PM		
5/23/2018	Wed		5:41 AM	8:15 PM		
5/24/2018	Thr	Morning	5:41 AM	8:15 PM	9:41 AM	2
5/25/2018	Fri		5:41 AM	8:15 PM		
5/26/2018	Sat		5:41 AM	8:15 PM		
5/27/2018	Sun		5:41 AM	8:15 PM		
5/28/2018	Mon		5:41 AM	8:15 PM		
5/29/2018	Tue		5:41 AM	8:15 PM		
5/30/2018	Wed		5:41 AM	8:15 PM		
5/31/2018	Thr		5:41 AM	8:15 PM		

6/1/2018	Fri		5:28 AM	8:30 PM		
6/2/2018	Sat		5:28 AM	8:30 PM		
6/3/2018	Sun	Afternoon	5:28 AM	8:30 PM	7:30 PM	3
6/4/2018	Mon		5:28 AM	8:30 PM		
6/5/2018	Tue		5:28 AM	8:30 PM		
6/6/2018	Wed		5:28 AM	8:30 PM		
6/7/2018	Thr		5:28 AM	8:30 PM		
6/8/2018	Fri	Afternoon	5:28 AM	8:30 PM	1:30 PM	1
6/9/2018	Sat		5:28 AM	8:30 PM		
6/10/2018	Sun		5:28 AM	8:30 PM		
6/11/2018	Mon		5:28 AM	8:30 PM		
6/12/2018	Tue		5:28 AM	8:30 PM		
6/13/2018	Wed		5:28 AM	8:30 PM		
6/14/2018	Thr		5:28 AM	8:30 PM		
6/15/2018	Fri	Afternoon	5:28 AM	8:30 PM	1:30 PM	1
6/16/2018	Sat	Morning	5:25 AM	8:38 PM	6:25 AM	1
6/17/2018	Sun		5:25 AM	8:38 PM		
6/18/2018	Mon		5:25 AM	8:38 PM		
6/19/2018	Tue		5:25 AM	8:38 PM		
6/20/2018	Wed		5:25 AM	8:38 PM		
6/21/2018	Thr		5:25 AM	8:38 PM		
6/22/2018	Fri		5:25 AM	8:38 PM		
6/23/2018	Sat		5:25 AM	8:38 PM		
6/24/2018	Sun		5:25 AM	8:38 PM		
6/25/2018	Mon		5:25 AM	8:38 PM		
6/26/2018	Tue		5:25 AM	8:38 PM		
6/27/2018	Wed		5:25 AM	8:38 PM		
6/28/2018	Thr		5:25 AM	8:38 PM		
6/29/2018	Fri		5:25 AM	8:38 PM		
6/30/2018	Sat		5:25 AM	8:38 PM		

7/1/2018	Sun		5:30 AM	8:40 PM		
7/2/2018	Mon		5:30 AM	8:40 PM		
7/3/2018	Tue		5:30 AM	8:40 PM		
7/4/2018	Wed		5:30 AM	8:40 PM		
7/5/2018	Thr		5:30 AM	8:40 PM		
7/6/2018	Fri		5:30 AM	8:40 PM		
7/7/2018	Sat	Morning	5:30 AM	8:40 PM	9:30 AM	2
7/8/2018	Sun		5:30 AM	8:40 PM		
7/9/2018	Mon		5:30 AM	8:40 PM		
7/10/2018	Tue	Morning	5:30 AM	8:40 PM	6:30 AM	1
7/11/2018	Wed		5:30 AM	8:40 PM		
7/12/2018	Thr		5:30 AM	8:40 PM		
7/13/2018	Fri		5:30 AM	8:40 PM		
7/14/2018	Sat		5:30 AM	8:40 PM		
7/15/2018	Sun		5:30 AM	8:40 PM		
7/16/2018	Mon		5:39 AM	8:35 PM		
7/17/2018	Tue		5:39 AM	8:35 PM		
7/18/2018	Wed		5:39 AM	8:35 PM		
7/19/2018	Thr		5:39 AM	8:35 PM		
7/20/2018	Fri		5:39 AM	8:35 PM		
7/21/2018	Sat	Morning	5:39 AM	8:35 PM	6:39 AM	1
7/22/2018	Sun		5:39 AM	8:35 PM		
7/23/2018	Mon	Afternoon	5:39 AM	8:35 PM	7:35 PM	3
7/24/2018	Tue		5:39 AM	8:35 PM		
7/25/2018	Wed		5:39 AM	8:35 PM		
7/26/2018	Thr		5:39 AM	8:35 PM		
7/27/2018	Fri		5:39 AM	8:35 PM		
7/28/2018	Sat		5:39 AM	8:35 PM		
7/29/2018	Sun		5:39 AM	8:35 PM		
7/30/2018	Mon		5:39 AM	8:35 PM		
7/31/2018	Tue		5:39 AM	8:35 PM		

8/1/2018	Wed	Morning	5:55 AM	8:19 PM	6:55 AM	1
8/2/2018	Thr		5:55 AM	8:19 PM		
8/3/2018	Fri		5:55 AM	8:19 PM		
8/4/2018	Sat		5:55 AM	8:19 PM		
8/5/2018	Sun	Morning	5:55 AM	8:19 PM	12:55 PM	3
8/6/2018	Mon		5:55 AM	8:19 PM		
8/7/2018	Tue		5:55 AM	8:19 PM		
8/8/2018	Wed		5:55 AM	8:19 PM		
8/9/2018	Thr		5:55 AM	8:19 PM		
8/10/2018	Fri		5:55 AM	8:19 PM		
8/11/2018	Sat		5:55 AM	8:19 PM		
8/12/2018	Sun		5:55 AM	8:19 PM		
8/13/2018	Mon		5:55 AM	8:19 PM		
8/14/2018	Tue		5:55 AM	8:19 PM		
8/15/2018	Wed		5:55 AM	8:19 PM		
8/16/2018	Thr		6:09 AM	8:01 PM		
8/17/2018	Fri		6:09 AM	8:01 PM		
8/18/2018	Sat		6:09 AM	8:01 PM		
8/19/2018	Sun	Morning	6:09 AM	8:01 PM	7:09 AM	1
8/20/2018	Mon		6:09 AM	8:01 PM		
8/21/2018	Tue		6:09 AM	8:01 PM		
8/22/2018	Wed		6:09 AM	8:01 PM		
8/23/2018	Thr		6:09 AM	8:01 PM		
8/24/2018	Fri	Afternoon	6:09 AM	8:01 PM	4:01 PM	2
8/25/2018	Sat		6:09 AM	8:01 PM		
8/26/2018	Sun		6:09 AM	8:01 PM		
8/27/2018	Mon		6:09 AM	8:01 PM		
8/28/2018	Tue		6:09 AM	8:01 PM		
8/29/2018	Wed		6:09 AM	8:01 PM		
8/30/2018	Thr		6:09 AM	8:01 PM		
8/31/2018	Fri		6:09 AM	8:01 PM		

9/1/2018	Sat		6:27 AM	7:35 PM		
9/2/2018	Sun		6:27 AM	7:35 PM		
9/3/2018	Mon		6:27 AM	7:35 PM		
9/4/2018	Tue		6:27 AM	7:35 PM		
9/5/2018	Wed		6:27 AM	7:35 PM		
9/6/2018	Thr		6:27 AM	7:35 PM		
9/7/2018	Fri	Afternoon	6:27 AM	7:35 PM	12:35 PM	1
9/8/2018	Sat		6:27 AM	7:35 PM		
9/9/2018	Sun		6:27 AM	7:35 PM		
9/10/2018	Mon		6:27 AM	7:35 PM		
9/11/2018	Tue		6:27 AM	7:35 PM		
9/12/2018	Wed		6:27 AM	7:35 PM		
9/13/2018	Thr		6:27 AM	7:35 PM		
9/14/2018	Fri		6:27 AM	7:35 PM		
9/15/2018	Sat		6:27 AM	7:35 PM		
9/16/2018	Sun		6:41 AM	7:11 PM		
9/17/2018	Mon	Afternoon	6:41 AM	7:11 PM	3:11 PM	2
9/18/2018	Tue		6:41 AM	7:11 PM		
9/19/2018	Wed		6:41 AM	7:11 PM		
9/20/2018	Thr		6:41 AM	7:11 PM		
9/21/2018	Fri		6:41 AM	7:11 PM		
9/22/2018	Sat		6:41 AM	7:11 PM		
9/23/2018	Sun	Morning	6:41 AM	7:11 PM	7:41 AM	1
9/24/2018	Mon		6:41 AM	7:11 PM		
9/25/2018	Tue		6:41 AM	7:11 PM		
9/26/2018	Wed		6:41 AM	7:11 PM		
9/27/2018	Thr		6:41 AM	7:11 PM		
9/28/2018	Fri		6:41 AM	7:11 PM		
9/29/2018	Sat		6:41 AM	7:11 PM		
9/30/2018	Sun	Morning	6:41 AM	7:11 PM	7:41 AM	1

10/1/2018	Mon		6:41 AM	7:11 PM		
10/2/2018	Tue		6:41 AM	7:11 PM		
10/3/2018	Wed		6:41 AM	7:11 PM		
10/4/2018	Thr		6:41 AM	7:11 PM		
10/5/2018	Fri	Morning	6:41 AM	7:11 PM	10:41 AM	2
10/6/2018	Sat	Afternoon	6:41 AM	7:11 PM	3:11 PM	2
10/7/2018	Sun		6:41 AM	7:11 PM		
10/8/2018	Mon	Morning	6:41 AM	7:11 PM	1:41 PM	3
10/9/2018	Tue		6:41 AM	7:11 PM		
10/10/2018	Wed		6:41 AM	7:11 PM		
10/11/2018	Thr		6:41 AM	7:11 PM		
10/12/2018	Fri		6:41 AM	7:11 PM		
10/13/2018	Sat	Afternoon	6:41 AM	7:11 PM	12:11 PM	1
10/14/2018	Sun		6:41 AM	7:11 PM		
10/15/2018	Mon		6:41 AM	7:11 PM		

Appendix F – Aerial Count Form

Aerial Angler Survey West Branch Delaware River

Weather _____

DATE: _____ PILOT: _____ OBSERVER: _____

SECTION	TIME & Visibility	SHORE ANGLERS	BOATS WITH ANGLERS			TOTAL ANGLERS
			1	2	3	
Cannonsville Dam to Rt 17 Overpass	TIME Start: Finish:					
Overpass to Whittaker Brook Is	TIME Start: Finish:					
Whittaker Brook Is to Hale Eddy	TIME Start: Finish:					
Hale Eddy to NY/PA State Line	TIME Start: Finish:					
NY/PA State Line to Riverview Inn	TIME Start: Finish:					
Riverview Inn To 1st Residence	TIME Start: Finish:					
1st Residence to Delaware Mouth	TIME Start: Finish:					

**Aerial Angler Survey
East Branch Delaware River**

Weather _____

DATE: _____ PILOT: _____ OBSERVER: _____

SECTION	TIME & Visibility	SHORE ANGLERS	BOATS WITH ANGLERS			TOTAL ANGLERS
			1	2	3	
Dam to Airport Island	TIME Start: Finish:					
Airport to Corbett	TIME Start: Finish:					
Corbett to Shinhopple	TIME Start: Finish:					
Shinhopple to Harvard	TIME Start: Finish:					
Harvard to Beaverkill Junction	TIME Start: Finish:					
Beaverkill to Rest Area Bridge	TIME Start: Finish:					
Rest Area Bridge to Fishes Eddy	TIME Start: Finish:					
Fishes Eddy to Mouth	TIME Start: Finish:					

**Aerial Angler Survey
Delaware River**

Weather _____

DATE: _____ PILOT: _____ OBSERVER: _____

SECTION	TIME & Visibility	SHORE ANGLERS	BOATS WITH ANGLERS			TOTAL ANGLERS
			1	2	3	
Junction Pool to Stockport Creek	TIME Start: Finish:					
Stockport Creek to Equinunk Creek	TIME Start: Finish:					
Equinunk Creek to Abe Lord Creek	TIME Start: Finish:					
Abe Lord Creek to Long Eddy Access	TIME Start: Finish:					
Long Eddy Access to Hankins Creek	TIME Start: Finish:					
Hankins Creek to Callicoon Bridge	TIME Start: Finish:					

Appendix G – Angler Interview Form

Tailwater Creel Survey						
ID Number _____	Fish Data					
Reach _____	Released Fish Length Scratch Pad					
Sex (M/F) _____	<9"	9"-12"	12"-14"	14"-16"	16-20"	>20"
Wader/Boater (circle one) _____						
Name(s) _____	Species	Length	H/R	Pit Tag		
Technique _____						
Target Species _____						
Zipcode _____						
Time Start _____ AM/PM						
Break Time (0.25 hr increments) _____						
Reach(s) Fished _____						
Interview/End Time _____ AM/PM						
Guided Trip (Y/N) _____ Zipcode _____						
Post Card (Y/N) _____						
For Boaters Only						
Put-in Location _____						
Take-out Location _____						

Species Codes

- 326** Rainbow Trout
- 328** Brown Trout
- 329** Brook Trout
- 626** Walleye
- 600** Smallmouth Bass
- 290** American Shad

Fishing Techniques

- B** Bait Fishing
- BF** Bait & Fly Fishing
- BFL** Bait, Fly, & Artificial Lure
- BL** Bait & Artificial Lure Fishing
- F** Fly Fishing
- FL** Fly & Artificial Lure Fishing
- L** Artificial Lure Fishing

Reach Descriptions

- JP** Junction Pool
- BU** Buckingham
- Lord** Lordville
- LE** Long Eddy
- Hank** Hankins
- Call** Callicoon
- East Branch**
- Down** Downsville
- Cor** Corbett
- Shin** Shinhopple
- Har** Harvard
- Fish** Fishs Eddy
- West Branch**
- Stil** Stilesville
- NK** No Kill
- HE** Hale Eddy
- BW** Border Water

Question 1 – Have you previously been interviewed for your opinion?

Yes, skip remaining angler opinion questions, Questions 2 – 4

No, proceed to remaining angler opinion questions, Questions 2 – 4

Unsure, proceed to remaining angler opinion questions, Questions 2 – 4

Question 2 – How satisfied were you with your overall fishing experience(s) in the Delaware Tailwaters in the last 3 years?

Very Satisfied	Satisfied	Neutral	Dissatisfied	Very dissatisfied	No Response	Unasked
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Specific reason for response, if any and only if volunteered:

Question 3 – How important are the below descriptions to you for a satisfactory fishing experience?

	Extremely important	Very Important	Somewhat important	Not Important	No Response	Unasked
A Catch many trout regardless of size	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B Commonly catch large trout	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C Catch at least one 20 inch-sized or larger trout	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D Harvest – To catch trout to eat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Question 4 – Of the 4 characteristics listed in question 3, which is the most important?

Catch many trout	Large Trout	20+ inches	Harvest
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix H – Angler Interview Post Card Follow-up Form

<u>Delaware Tailwaters Creel Survey</u>						
ID Number _____						
End Time _____ AM PM						
Total Breaks: _____ hours _____ minutes						
Reach(s) fished: _____						
Fish Released : (use tally or check mark for each caught in the appropriate column)						
Species	<9"	9"-11.9"	12"-13.9"	14"-15.9"	16-19.9"	>20"
Brown Trout						
Rainbow Trout						
Brook Trout						
Walleye						
Smallmouth Bass						
American Shad						
Fish Creeled (record species and lengths): _____						
Comments: _____						
<p>Instructions: Please fill out this form during your fishing trip. Please return it to the place you obtained it, a drop box (locations on additional sheet of paper) or mail to the address on other side.</p>						
From _____						

<p>NYS Department of Environmental Conservation Region 4 Fisheries 65561 St Hwy 10 Stamford, NY 12167-9503</p>						