
Development and Implementation of Crop Loss Compensation Program for Farmland Impacted by the Fargo – Moorhead Metropolitan Area Flood Risk Management Project

Rating Report

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Appendix A. Hydrological Information

EXECUTIVE SUMMARY

Watts and Associates, Inc. (W&A) has been engaged by the Metropolitan Flood Diversion Authority (MFDA) to provide solutions for crop risk mitigation in the 29,000-acre upstream mitigation area. The upstream mitigation area is located in Cass and Richland Counties North Dakota, and Clay and Wilkin Counties Minnesota, with most of the land resting in Cass County North Dakota. The majority of the upstream mitigation area is farmland allocated to crop production. Consequently, flooding events caused by MFDA that impact crops produced in the upstream mitigation area represent a risk that warrants mitigation. Crop insurance is a primary risk management component for the upstream mitigation area.

In this report, W&A examined the expected annualized costs of providing farmers with compensation for losses to their crops as a result of operation of the project. The methods and data used to derive these expected costs are outlined in detail in this report. Based on the assumptions provided in previous hydrological and climatologic studies, W&A concludes the average annualized cost of compensating producers for crop losses in a manner consistent with the compensation they would receive for natural perils from the standard Federal Crop Insurance program is very small; that the expected ‘pure risk value’ of compensation on an annualized basis is ~\$190 per year for the authority. The hydrological data imply that operation of the project at times when crops may be expected to be growing in fields and/or maintaining field inundation in fields for a sufficient period in the winter and spring to prevent the reasonable planting of crops is exceptionally unlikely. For purposes of estimating total costs of operation of the upstream farmer compensation program, the costs that will be incurred in communicating with growers, and partnering with a risk bearer to carry catastrophic coverage, and collecting data to establish potential liability each year can be expected to easily exceed the cost of the expected indemnities themselves.

I. INTRODUCTION

Metro Flood Diversion Authority (MFDA) in Fargo, North Dakota is implementing a flood control project to protect the cities of Fargo, North Dakota and Moorhead, Minnesota from extreme flooding events that can be inherent in the Red River Valley of the North. The flood control project consists of a series of dikes, drainage canals, flood water control structures, and an upstream mitigation area (UMA) consisting of 29,002 acres. The UMA is subdivided into 910 parcels which are a part of 168 larger storage areas. In general, if MFDA decides to “close the gate” and allow flood water to inundate the UMA, there is a probability that crop loss can occur.

There are three primary components of crop loss in the UMA caused by operation of the project control structures: 1) prevented planting (PP) of crops due to inundation and delayed soil dry down in the spring; 2) summer crop loss (SCL) due to operation of the control structures after planting but prior to harvest; 3) harvest impact loss, in which operation of the control structures would prevent crops from being harvested. This research report will focus on SCL while providing estimates of what PP payments might look like. Crop losses at harvest will not be evaluated in this report due to the unlikely nature of flood control structure operation during harvest. Estimates of expected loss values will be “pure” loss cost estimates. Pure meaning that there will not be considerations for attributes that affect insurance rates such as profit loads, loss adjustment costs, uncertainty loads, and other costs typically associated with administering insurance policies.

A key attribute of the analysis is liability where liability is the maximum amount to be paid if all the acres covered in the UMA were planted and then suffered a total loss due to operation of the project. While this event might have an exceedingly small probability of occurring it forms the financial basis of the insurance product. The MFDA diversion project liability would be the expected production of each crop on each farm multiplied by the corresponding spring projected price for that crop. The productivity of each farm will vary but the spring projected price will be consistent across crops. Spring projected prices and farm expected yields, also known as approved yields, will be calculated using methods consistent with Risk Management Agency (RMA) procedures. Without access to farm-level records, this study will utilize county-level expected yields and the projected prices that would have been used if the product were offered in 2021. The liability values presented in this report are estimates of what the liability would have been in the spring of 2021. The liability value would change each year due to likely annual increases in farm productivity and changing market conditions affecting price levels both upwards and downwards.

A typical RMA crop insurance product uses a coverage level to help mitigate moral hazard. A coverage level is the percent of the total liability that is insured. A typical coverage level in the Fargo-Moorhead area is 85 percent. Losses between 85 percent and 100 percent of the covered value of the crop are not insured. However, for SCL payments the District Authority determined that a 100 percent coverage level should be utilized.

Two types of loss events are considered in this analysis, SCL and PP. It is assumed that a field inundated with water after planting is a total loss. In other words, all SCL events are a total loss. A PP loss event occurs when a producer is prevented from planting before the RMA’s final

planting date. The analysis assumes various dry down periods following the clearing of water from the land for PP loss estimates. A typical dry down period is expected to be 7 days and estimates of losses for dry down periods of up to 21 days are provided. Prevented Plant payments follow RMA underwriting rules and are based on fixed percentage of the producer's liability.

Key data points for the risk analysis are date of gate closure, the number of acres affected by flooding due to the operation of the project, the duration of the flooding, crop planting dates, and RMA defined final planting dates for prevented planting. These data are discussed in the next section. This report primarily utilizes data from the MFDA Hydrological study, data supplied by Advanced Engineering and Environmental Services (AE2S), the National Agricultural Statistics Service (NASS), and crop insurance information from RMA. Section III Actuarial Methods of this report discuss the actuarial methods used to determine pure loss cost estimates, presents the results of the analysis, and discusses assumptions and sensitivity analysis. The last section, Section IV summarizes the findings and provides concluding remarks.

II. DATA

The data sources for the actuarial estimates are AE2S supplied data, the MFDA Hydrological study, NASS, and crop insurance information from RMA. AE2S provided information on 910 parcels in the UMA. The parcel data included acreage and estimates of how many of each parcel's acres would be flooded during a 20, 25, 50, 100, 500, and probable maximum flood (PMF) event. The parcels included in the AE2S dataset are a subset of the land included in the MFDA Hydrological study. The MFDA study covered a wider geographic area and its basic land units, a "storage area", are typically much larger than the parcels identified in the AE2S data set. The MFDA study unfortunately does not identify which storage areas are located within the UMA and that is why the AE2S dataset was critical to this rating exercise. The MFDA study includes a key data point, days for water to leave the field, which is used in the determination of expected prevented planting payments that was not included in the AE2S data. AE2S provided a dataset that can be used to match parcels with an associated storage area unit so that values for days for water to leave the field could be assigned to each parcel. There were some issues matching parcels with MFDA storage areas resulting in 46 parcels, representing 726.5 acres, not having a matched storage area. The parcels without a matching storage area were assumed to be located in Cass County and were given typical values for flooded acre percent and dry down days based on averages of the other parcels in Cass County. When matching parcels with storage areas it was the case that some storage areas were matched to more than one parcel and there were instances where the total acreage of the matched parcels was greater than the acreage of the storage area as reported by MFDA. The final rating data set includes parcel acreage and acres flooded from AE2S and days for water to leave the field from the MFDA study. All of these data fields are estimated with the project condition, i.e. closing of the gates. The rating data set is included with this submission in electronic format.

Appendix A provides a map of the UMA and Table A1 includes basic information for each parcel. A summary of the parcels with their average size by county is presented in Table 1.

Table 1. Parcel Location and Average Size

State	County	Acres	Parcels	Average Size
MN	Clay	4,330.3	82	52.8
MN	Wilkin	1,834.7	113	16.2
ND	Cass	20,876.5	523	39.9
ND	Richland	1,960.9	192	10.2
	Total	29,002.5	910	31.9

Most of the acreage is in Cass County North Dakota with 523 of the 910 parcels. The flood events are summarized in Table 2.

Table 2. Modelled Flood Events

Abbreviation	Description
20yr	Flood that is expected to occur once every twenty years. Has a frequency of occurrence of 5%
25yr	Flood that is expected to occur once every twenty-five years. Has a frequency of occurrence of 4%
50yr	Flood that is expected to occur once every fifty years. Has a frequency of occurrence of 2%
100yr	Flood that is expected to occur once every hundred years. Has a frequency of occurrence of 1%
500yr	Flood that is expected to occur once every five-hundred years. Has a frequency of occurrence of 0.2%
PMF	Probable Maximum Flood and is the worst possible expected flood and is provided for reference purposes only

The modelled flood events are frequency based and designed to provide a range of potential flood outcomes. Appendix A Table A2 provides the expected number of days from project activation, gate closing, until flood waters have left each parcel. The length of time for water to leave the field presented in Table A2 originated in the MFDA study and were matched to the AE2S parcels as prescribed by AE2S. Each row in Table A2 is a parcel and the columns provide the days from activation until water leaves the field for several different flood events given activation of the project. For some flood events and storage units the expected time for water to leave the field is zero days which means no flooding occurs. The maximum number of days in Table A2 is 51.5 and this value occurs for many parcels across many of the flood scenarios. Appendix A Table A3 provides the number of acres affected in each parcel for each flood type given operation of the project.

The MFDA agency will initiate the project (close the gates) based on what flood scenario is anticipated. The MFDA hydrological study provides likely gate closure dates for the various types of flood as presented in Table 3

Table 3. Day Gates Begin Closing by Flood Type

Flood Event	Date at which Gates Begin Closing
20yr	April 1 st
25yr	April 1 st
50yr	March 31 st
100yr	March 31 st
500yr	March 30 th
PMF	March 13 th

The date at which the gates begin closing is April 1st or earlier with March 13th being the earliest expected gate closing for the probable maximum flood (PMF) event. The information in Tables A2 and A3 combined with the expected gate closure dates for each flood scenario are key to the rating exercise. When determining SCL a loss will have occurred if the acreage has been planted before the gates begin closing. How many acres that were likely to have been planted prior to the gates being closed is estimated using historical state-level planting data provided by NASS. NASS crop progress reports provide information on weekly plantings during the crop season and cover a varying number of historical years depending on the crop.¹ The reports provide 42 years of Minnesota wheat planting progress and seven years of planting data on sunflowers in both Minnesota and North Dakota. RMA provides information about the expected yields and crop prices.

Liability and the value of cropland lost due to flooding are estimated using RMA summary of business online and RMA Actuarial Document Masters (ADMs).² RMA summary of business provides the number of insured acres for each crop in each county in 2020.³ All crops that made up more than 1 percent of the insured acres in 2020 are considered. The minimum 1 percent threshold is why barley is part of the Cass County crop list but not the Richland County crop list. Crops and associated insured acres are presented in Table 4.

¹ NASS Crop Progress reports available at <https://quickstats.nass.usda.gov/> and the data used in this report are provided in electronic format.

² RMA ADMs for 2021 are available at https://ftp.rma.usda.gov/pub/References/actuarial_data_master/2021/.

³ At the time of this report, April 2021, spring crop planted acres have not been published.

Table 4. Major Crops Grown in the UMA

State	County	Crop	Expected Yield	Projected Price	Insured Acres	Value Per Acre	Percent of County Acres
MN	Clay	Corn	159.0	4.58	134,316	728.22	31.5%
MN	Clay	Soybeans	39.1	11.87	180,189	464.12	42.2%
MN	Clay	Sugar Beets	8,683.0	0.146	42,256	1,267.72	9.9%
MN	Clay	Sunflowers	2,006.0	0.273	6,091	547.64	1.4%
MN	Clay	Wheat	63.7	6.53	64,133	415.96	15.0%
MN	Wilkin	Corn	166.9	4.58	119,225	764.40	31.9%
MN	Wilkin	Soybeans	40.4	11.87	152,284	479.55	40.8%
MN	Wilkin	Sugar Beets	8,652.0	0.146	39,543	1,263.19	10.6%
MN	Wilkin	Wheat	58.9	6.53	62,480	384.62	16.7%
ND	Cass	Barley	85.5	4.18	10,948	357.39	1.2%
ND	Cass	Corn	156.9	4.58	334,408	718.60	36.6%
ND	Cass	Dry Beans	1,792.0	0.31	18,852	555.52	2.1%
ND	Cass	Soybeans	38.7	11.87	440,030	459.37	48.2%
ND	Cass	Sugar Beets	8,558.0	0.146	18,929	1,249.47	2.1%
ND	Cass	Sunflowers	1,999.0	0.273	18,704	545.73	2.0%
ND	Cass	Wheat	65.5	6.53	71,327	427.72	7.8%
ND	Richland	Corn	165.6	4.58	272,200	758.45	41.6%
ND	Richland	Soybeans	40.8	11.87	299,684	484.30	45.8%
ND	Richland	Sugar Beets	8,478.0	0.146	25,182	1,237.79	3.9%
ND	Richland	Sunflowers	1,842.0	0.273	7,582	502.87	1.2%
ND	Richland	Wheat	59.7	6.53	49,305	389.84	7.5%

Crop expected yields and price estimates are provided in RMA ADMs. The expected yields are the expected yields for the Supplemental Coverage Option (SCO) plan of insurance. SCO, is a county based or area based policy that insures against low levels of county-level yields. The SCO expected yield is an estimate of the average production level for the county as expected for 2021. The projected price is used for many RMA insurance plans and is a springtime estimate of the likely harvest price.⁴ Table 4 provides the expected yield, the projected price, the value per acre (expected yield * projected price) and the percent of the acreage in that county the crop represents. The value per acre in the counties is significantly larger for sugar beets than for the other crops. The sum of the percent of county acres is 1.0 for each county. When calculating loss estimates each parcel in the UMA has its acreage split based on the composition of the county as a whole as indicated in Table 4. For example, each parcel in Cass County is assumed to have 36.6 percent of its acreage planted to corn. RMA insured acres may not represent the entirety of the crops planted in the county, some acres may go uninsured, however if the proportion of each crop is similarly uninsured then proportional estimates are unbiased.

NASS weekly crop progress reports indicate statewide crop planting progress.⁵ During each crop year, NASS surveys growers to determine when crops are planted. The reports are provided weekly throughout the growing season. For example, a progress report might say the 4 percent of the crop has been planted for the week ending April 1st. That means that through April 1st, inclusive of the end date, 4 percent of the counties land intended for that crop was planted. The progress values are cumulative and represent the total plantings. To determine the number of

⁴ RMA Commodity Exchange Price Provisions (CEPP) is published at <https://www.rma.usda.gov/Policy-and-Procedure/Insurance-Plans/Commodity-Exchange-Price-Provisions-CEPP>.

⁵ Crop Progress report dates from NASS are provided in electronic form in the excel file “NASS Planting Dates.xls”

acres planted during that week the calculation would be to subtract this week's progress from the progress reported in the previous week.

The data from RMA and NASS used in this analysis are state or county level aggregate values. Liability and risk estimates for the UMA would have greater accuracy if farm-level data were available. State and county level estimates are sufficient to gather a general idea of the risk faced by flooding in the UMA. The next section discusses the procedures used to generate risk estimates for SCL and PP.

III. ACTUARIAL METHODS

This section covers the process for estimating liability, the empiric methods to determine SCL loss cost estimates, and the procedures used to estimate PP payments following a flood event that required activation of the project.

III.A. Liability

Liability is based on the acreage, approved yield, and the RMA projected price for each crop that each producer plants. The projected price will be known prior to March 15th each year and a producer's approved yield is calculated using RMA's underwriting rules. The approved yields of producers in the UMA are unknown at this time. An approximation of a typical approved yield will be made using RMA's county expected yield for the SCO insurance plan in 2021. Liability for each crop in each county is estimated as the product of the approved yield, projected price, acres, and coverage level.

$$\text{Liability} = \text{Approved Yield} \cdot \text{Projected Price} \cdot \text{Crop Acres} \cdot \text{Coverage Level}$$

All liability estimates in this report will assume a 100 percent coverage level. Table 5 provides the estimated liability by crop for the storage areas in each state in 2021 units. The total liability is provided as a summation in the table's last row.

Table 5. Liability Calculations

State	County	Storage Area Acres	Crop	Crop Acre Percent	Crop Acres	Value Per Acre	Coverage Level	Liability
MN	Clay	4,330.3	Corn	31.5%	1,362.2	728.22	100%	991,963
MN	Clay	4,330.3	Soybeans	42.2%	1,827.4	464.12	100%	848,127
MN	Clay	4,330.3	Sugar Beets	9.9%	428.5	1,267.72	100%	543,270
MN	Clay	4,330.3	Sunflowers	1.4%	61.8	547.64	100%	33,829
MN	Clay	4,330.3	Wheat	15.0%	650.4	415.96	100%	270,545
			<i>Total</i>		4,330.3	620.68		2,687,734
MN	Wilkin	1,834.7	Corn	31.9%	585.6	764.40	100%	447,645
MN	Wilkin	1,834.7	Soybeans	40.8%	748.0	479.55	100%	358,700
MN	Wilkin	1,834.7	Sugar Beets	10.6%	194.2	1,263.19	100%	245,349
MN	Wilkin	1,834.7	Wheat	16.7%	306.9	384.62	100%	118,036
			<i>Total</i>		1,834.7	637.55		1,169,730
ND	Cass	20,876.5	Barley	1.2%	250.3	357.39	100%	89,448
ND	Cass	20,876.5	Corn	36.6%	7,644.9	718.60	100%	5,493,609
ND	Cass	20,876.5	Dry Beans	2.1%	431.0	555.52	100%	239,414
ND	Cass	20,876.5	Soybeans	48.2%	10,059.5	459.37	100%	4,621,007
ND	Cass	20,876.5	Sugar Beets	2.1%	432.7	1,249.47	100%	540,686
ND	Cass	20,876.5	Sunflowers	2.0%	427.6	545.73	100%	233,347
ND	Cass	20,876.5	Wheat	7.8%	1,630.6	427.72	100%	697,431
			<i>Total</i>		20,876.5	570.73		11,914,943
ND	Richland	1,960.9	Corn	41.6%	816.2	758.45	100%	619,056
ND	Richland	1,960.9	Soybeans	45.8%	898.6	484.30	100%	435,202
ND	Richland	1,960.9	Sugar Beets	3.9%	75.5	1,237.79	100%	93,466
ND	Richland	1,960.9	Sunflowers	1.2%	22.7	502.87	100%	11,433
ND	Richland	1,960.9	Wheat	7.5%	147.8	389.84	100%	57,636
			<i>Total</i>		1,960.9	620.52		1,216,792
			<i>Overall</i>		29,002.5	585.78		16,989,199

The estimated average liability per acre is \$570.73 in Cass County, \$620.52 in Richland County, \$620.68 in Clay County, and \$637.55 in Wilkin County. The Crop Acre Percent in Table 5 was calculated by first finding all crops in 2020 with insured acreage and selecting those crops with more than a 1 percent share of total insured acres in 2020. The Crop Acre Percent is the share of the remaining crops 2020 insured acres. The Crop Acre Percent is then used to split out the UMA acreage into the various crops based on their expected proportions. The estimated total liability for the 29,002 acre UMA is \$16,989,199. The total liability is the estimate of how much an indemnity payment would be if 100 percent of the acres were planted prior to the project being initiated and having all 29,002 acres submerged under water causing a SCL on all acres. The next section discusses the procedures for estimating expected SCL.

III.B. Summer Crop Loss

Summer crop loss occurs when a field has been planted and then flood waters submerge the field. The crop is assumed to be a 100 percent loss when flooding occurs after planting. The length of flood doesn't determine the damage; once a field is inundated the crop is assumed to be 100 percent lost. Appendix A Table A3 provides details on how many of each parcel's acres are expected to be inundated for a given flood event. For example, using the 50-year flood event Table A3 shows that of the 910 parcels 818 are expected to experience some flooding with the project in place. The hydrological data provided in the MFDA study present the opportunity to estimate the additional or marginal impact of the project relative to existing conditions. However, the marginal impact will not be evaluated in this report due to the practical difficulty of measuring and loss adjusting the marginal impact following a flood that was severe enough to initiate the diversion project. SCL will be modelled as covering the full loss due to flooding if the project has been operated and the gates have been closed.

SCL pure risk rates are developed empirically using the AE2S supplied data and NASS crop progress reports. Timing of the project and expected gate closing dates were shown in Table 3 for each type of flood event. The latest expected gate closing is April 1st. Using NASS crop progress reports the number of acres planted for each crop prior to April 1st can be estimated. Using the historical frequency of these planting events (i.e. plantings prior to April 1) along with the frequency of a given flood event, assuming independence between the two, an estimate for the frequency of SCL events can be obtained. For example, if 4 times in the last 40 years 5 percent of the wheat acres have been planted prior to April 1st the probability of a 50-year flood occurring during a year in which wheat was planted earlier than usual would be 4 out of 40 multiplied by 1 out of 50 for a joint probability of 1 out of 500.

$$1/500 = 4/40 \cdot 1/50$$

Independence between the planting pattern and flood event is assumed. It is possible that the assumption of independence is not true and that producers would be less likely to plant wheat during March in years with an increased likelihood of flooding. It is assumed that the assumption of independence leads to a conservative estimate of the pure risk rate.

NASS weekly crop reports include 1979 through 2020 and the earliest recorded week ending planted date for corn in Minnesota or North Dakota is April 8th. In other words, crop progress reports indicate that with the latest estimated gate closing date of April 1st that there have never

been corn acres planted in either state that would have generated a SCL claim. The expected SCL loss cost for corn is therefore zero. The analysis assumes that acreage is planted evenly throughout the state. In other words, each parcel has an equal percent of its acreage planted each week. Wheat crop progress reports go back to 1979 in Minnesota and 1981 in North Dakota. Wheat records indicate that there have been three years in which acres in the states were planted prior to gate closing on April 1st. Two of the years 2000 and 2016 have week ending dates of April 2nd and 3rd, respectively, and this analysis will assume that acres in those weeks were planted prior to April 1. Table 6 shows the three earliest planting dates for each state crop as indicated in the NASS crop progress reports. Table 6 shows 2 years of barley plantings where acres were planted prior to April 1.

**Table 6. Summary of Plant Dates – Earliest Three Plantings
and Range of Years Covered by State/Crop**

State	Crop	Week Ending	Year	Percent Progress
MN	Corn	4/11/2010	2010	1
MN	Corn	4/8/2012	2012	1
MN	Corn	4/15/2012	2012	7
MN	Soybeans	4/25/2004	2004	1
MN	Soybeans	4/26/2015	2015	1
MN	Soybeans	4/24/2016	2016	2
MN	Sugar beets	4/11/2004	2004	1
MN	Sugar beets	4/11/2010	2010	1
MN	Sugar beets	4/9/2017	2017	1
MN	Sunflower	5/3/2015	2015	15
MN	Sunflower	5/1/2016	2016	1
MN	Sunflower	5/7/2017	2017	3
MN	Wheat	4/2/2000	2000	4
MN	Wheat	4/1/2012	2012	3
MN	Wheat	4/3/2016	2016	1
ND	Barley	4/2/2000	2000	1
ND	Barley	4/6/2008	2008	1
ND	Barley	4/1/2012	2012	3
ND	Beans	5/7/2017	2017	3
ND	Beans	4/28/2019	2019	1
ND	Beans	5/5/2019	2019	1
ND	Corn	4/18/2004	2004	3
ND	Corn	4/15/2012	2012	3
ND	Corn	4/17/2016	2016	1
ND	Soybeans	4/25/2004	2004	1
ND	Soybeans	4/29/2007	2007	1
ND	Soybeans	4/26/2015	2015	1
ND	Sugar beets	4/11/2004	2004	1
ND	Sugar beets	4/11/2010	2010	1
ND	Sugar beets	4/12/2015	2015	12
ND	Sunflower	5/6/2012	2012	4
ND	Sunflower	5/1/2016	2016	1
ND	Sunflower	5/7/2017	2017	1
ND	Wheat	4/2/2000	2000	1
ND	Wheat	4/1/2012	2012	6
ND	Wheat	4/3/2016	2016	1

NASS crop progress reports do not list any corn, dry beans, soybeans, sugar beets, or sunflowers with acreage planted prior to April 1 in any year. For corn and soy (84.8 percent of estimated crop acreage in the UMA in Cass County) there is more than 40 years of data to support the lack of plantings prior to April 1 in Minnesota and more than 20 years in North Dakota. Table 7 presents the number of years of data for each state and crop as well as the estimated number of loss events where acres are planted prior to April 1st.

Table 7. Empiric Summer Crop Loss Events

State	Crop	Loss Events	Years of Data
MN	Corn	0	42
MN	Soybeans	0	41
MN	Sugar beets	0	21
MN	Sunflower	0	7
MN	Wheat	3	40
ND	Barley	1	25
ND	Dry Beans	0	7
ND	Corn	0	21
ND	Soybeans	0	22
ND	Sugar beets	0	21
ND	Sunflower	0	21
ND	Wheat	3	42

NASS planting dates indicate there were 3 years where crops may have planted before gates would have been closed for a 10, 20, 25, 50, 100 and 500-year flood event. The affected crops are wheat in 2000, 2012, and 2016 and barley in 2000 and 2012. The SCL severity is estimated by calculating the value of the planted acres based on 2021 prices and yields. Table 5 indicates that estimated liability for an acre of wheat in Cass County is \$427.72. The 2012 crop year empiric loss calculations will be walked through in detail. In 2012 NASS indicates that 3 percent of Minnesota wheat acres were planted during the week of April 1; 6 percent of North Dakota wheat acres and 3 percent of North Dakota barley acres were also planted that same week. Combining the percent planted information with the wheat and barley acreage and value estimates from Table 5 the process for estimating the value of SCL given a 2012 planting event is shown in Tables 8 and 9.

Table 8. Summer Crop Loss Expected Loss Calculation – 2012 Wheat Event

State	County	Storage Area Acres	Acres Flooded	Percent Acres Affected By Flood	Crop Acres	Acres Planted	Total Acres Affected	Liability Per Acre	Indemnity
MN	Clay	4,330.3	2,774.2	64.1%	650.4	3%	12.50	415.96	5,199.73
MN	Wilkin	1,834.7	969.4	52.8%	306.9	3%	4.86	384.62	1,870.97
ND	Cass	20,876.5	17,050.8	81.7%	1,630.6	6%	79.91	427.72	34,177.46
ND	Richland	1,960.9	1,062.2	54.2%	147.8	6%	4.81	389.84	1,873.20
	Total	29,002.5	21,856.6	75.4%	2,735.7	5.4%	102.1	422.44	43,121.37

Table 9. Summer Crop Loss Expected Loss Calculation – 2012 Barley Event

State	County	Storage Area Acres	Acres Flooded	Percent Acres Affected By Flood	Crop Acres	Acres Planted	Total Acres Affected	Liability Per Acre	Indemnity
ND	Cass	20,876.5	17,050.8	81.7%	250.3	3%	6.13	357.39	2,191.86
	Total	20,876.5	17,050.8	81.7%	250.3	3.0%	6.1	357.39	2,191.86

The calculations for wheat in Clay County Minnesota estimate how many acres were planted prior to the flood event, how many of those acres were affected by the flood event, and finally the value of the lost acres in 2021 units. The UMA in Clay County is 4,330.3 acres and wheat is expected to encompass 650.4 of those acres. Using Appendix A Table A3 and summing acres inundated with water for a 50-year flood event we get 2,774.2 of the total Clay County UMA would have flooded. These acres represent 64.1 percent of the total acres. Multiplying 64.1 percent by the total wheat acres planted of (650.4 * 0.03) leads to a total affected wheat acreage of 12.50 acres.

$$12.50 = \frac{2,774.2}{4,330.3} \cdot 650.4 \cdot 0.03$$

From Table 5 the estimated liability per acre is \$415.96 yielding a total loss of \$5,199.73. These same calculations are performed for the other 3 counties in Table 7 and the total loss for the wheat SCL is \$43,121.37. The North Dakota barley early planting that is estimated to have been lost due to a 50-year flood is \$2,191.86 giving a total SCL loss in 2012 of \$45,313.23. Comparing this loss to the estimated liability for the UMA of \$16,989,199 produces a loss cost of 0.00267 or 0.267 percent. The expected value of this loss cost event is the severity of the event (0.267 percent) multiplied by the expected frequency of the event. The frequency of the flood event is 1 in 50 or 2 percent and the frequency of the planting events are 1 in 42 for Minnesota wheat, 1 in 40 for North Dakota wheat, and 1 in 25 for North Dakota barley. The total expected loss cost for this event is presented in Table 10.

Table 10. 50 Year Flood Estimated SCL for 2012 Planting pattern

State	County	Planted Acres Lost	Indemnity	Frequency			Expected Indemnity
				Planting Event	Flood	Joint	
MN	Clay	12.50	5,199.73	0.0250	0.0200	0.0005	2.60
MN	Wilkin	4.86	1,870.97	0.0250	0.0200	0.0005	0.94
ND	Cass	86.04	36,369.32	0.0308	0.0200	0.0006	21.82
ND	Richland	4.81	1,873.20	0.0250	0.0200	0.0005	0.94
Total		108.21	45,313.23	0.0296	0.0200	0.0006	27.19

The expected indemnity for this event, a 50-year flood and a 2012 planting pattern, is \$27.19 and the expected loss cost ratio is 0.0000016.

$$0.0000016 = \frac{\$45,313.23 \cdot 0.0006}{\$16,989,199} = \frac{\$27.19}{\$16,989,199}$$

Table 11 provides the frequency and severity estimates for each the flood events given a 2012 planting pattern.

Table 11. All Flood Events for 2012 Planting Pattern

Flood Event	Planted Acres Lost	Indemnity	Frequency			Expected Indemnity
			Planting Event	Flood	Joint	
20	59.59	24,901.60	0.0293	0.0500	0.0015	37.35
25	83.33	34,878.52	0.0292	0.0400	0.0012	41.85
50	108.21	45,313.23	0.0296	0.0200	0.0006	27.19
100	132.66	55,469.89	0.0287	0.0100	0.0003	16.64
500	142.25	59,357.55	0.0278	0.0020	0.0001	5.94

Planting event frequency changes between the flood events because the acre weighting across counties changes as the flooding severity grows. Each state has different frequencies for the 2012 planting event so as the county acreage weight changes so does the estimated planting event frequency. The 20 and 25 year floods have a higher expected indemnity than the 50-year event even though they affect fewer acres because they are more likely to occur. The overall expected loss cost for the 2012 planting event is 0.00076 percent of the \$16,989,199 in estimated liability. NASS planting progress reports show 2000 and 2016 could have also had SCL events. The expected loss cost ratios for those events would be added to the 2012 value we derived above to determine the total empiric loss cost for SCL in the UMA. Table 12 shows the estimated losses for each of the planting event years.

Table 12. Simulated Summer Crop Loss Events

Planting Event	Crops Lost	Flood Event	Indemnity	Expected Frequency	Expected Loss
2000	Barley & Wheat	20	7,428.70	0.0014	10.40
		25	11,618.95	0.0011	12.78
		50	16,166.67	0.0005	8.08
		100	20,959.81	0.0003	6.29
		500	23,872.45	0.0001	2.39
2012	Barley & Wheat	20	24,901.60	0.0015	37.35
		25	34,878.52	0.0012	41.85
		50	45,313.23	0.0006	27.19
		100	55,469.89	0.0003	16.64
		500	59,357.55	0.0001	5.94
2016	Wheat	20	4,376.80	0.0013	5.69
		25	6,312.82	0.0010	6.31
		50	8,365.35	0.0005	4.18
		100	10,426.58	0.0003	3.13
		500	11,381.42	0.0001	1.14
					Total 189.36

The largest simulated loss was caused by the combination of the 2012 planting event combined with a 500-year flood. The estimated crop loss using 2021 expected yields and projected price would have been \$59,357.55. There is likely a negative correlation between flood risk and early planting making it less likely that years with flood conditions would be the years to have crop plantings prior to April 1st in the UMA. The assumption of independence should make the values presented in Table 12 conservative. The overall loss cost is the expected loss of \$189.36 divided by the \$16,989,199 in estimated liability.

III.C. Sensitivity of Gate Closure Dates on SCL

The SCL estimates are sensitive to the timing of the gate closing for each of the flood events. If it were possible for the gates to close in July and flood the UMA, then the possibility for a 100 percent loss would need to be considered. The MFDA Hydrological study did not provide ranges for estimates of the effect of the project. For example, when a 25-year flood occurs the project will close gates on April 1st. If there is a range of days where the gate could be closed, say March 15 through April 15 then the probability of SCL would increase due to additional planting time between April 1 and April 15. W&A does not have the expertise to determine if a range for gate closing is reasonable or not. However, an estimate of what the SCL might look like if the gates were closed 2 weeks later than expected can be performed. This analysis is provided to indicate how variable SCL estimates are if gate closing could occur later in the spring. Table 13 has adjusted project initiation dates.

Table 13. Adjusted Gate Closing Dates

Flood Event	Date at which Gates Begin Closing
20yr	April 15 th
25yr	April 15 th
50yr	April 14 th
100yr	April 14 th
500yr	April 13 th

With the gate closing estimated to be two weeks later there is likely to be substantially more acreage planted at the time the gates close. Table 14 show the historical planting events that would have led to a SCL for a 50-year flood event. Table 14 provides an estimate of planted acres lost, the resulting indemnity payment in 2021 units, the frequency of the planting event and the flood event and their joint probability as well as the expected indemnity which is the joint frequency multiplied by the indemnity payment.

Table 14. 50 Year Flood Event Results – Adjusted Gate Closing

Planting Event Year	Flood Event	Planted Acres Lost	Indemnity	Frequency			Expected Indemnity Payment
				Planting Event	Flood	Joint	
1986	50	82.17	34,756.02	0.0250	0.0200	0.0005	17.38
1988	50	501.87	213,969.92	0.0248	0.0200	0.0005	106.98
1989	50	19.91	8,365.35	0.0250	0.0200	0.0005	4.18
1990	50	145.84	60,681.94	0.0250	0.0200	0.0005	30.34
1991	50	273.61	114,525.56	0.0250	0.0200	0.0005	57.26
1992	50	139.35	58,557.42	0.0250	0.0200	0.0005	29.28
1993	50	34.03	14,373.79	0.0250	0.0200	0.0005	7.19
1994	50	48.85	20,149.85	0.0250	0.0200	0.0005	10.07
1996	50	11.58	4,713.80	0.0250	0.0200	0.0005	2.36
1999	50	43.06	17,792.95	0.0250	0.0200	0.0005	8.90
2000	50	161.21	80,771.69	0.0293	0.0200	0.0006	48.46
2002	50	18.06	10,930.76	0.0328	0.0200	0.0007	7.65
2003	50	183.06	115,943.15	0.0339	0.0200	0.0007	81.16
2004	50	911.38	644,408.54	0.0338	0.0200	0.0007	451.09
2005	50	204.23	91,959.88	0.0342	0.0200	0.0007	64.37
2006	50	58.02	24,200.26	0.0288	0.0200	0.0006	14.52
2008	50	90.84	38,242.35	0.0297	0.0200	0.0006	22.95
2010	50	585.09	381,854.66	0.0307	0.0200	0.0006	229.11
2012	50	1,165.21	690,974.98	0.0338	0.0200	0.0007	483.68
2015	50	279.26	190,253.91	0.0336	0.0200	0.0007	133.18
2016	50	874.02	688,221.92	0.0325	0.0200	0.0006	412.93
2017	50	267.93	212,494.16	0.0317	0.0200	0.0006	127.50

The MFDA gate closing dates resulted in 3 crop years in which NASS reported probable plantings prior to the gate closing for a 50-year flood. Moving the gate closing forward two weeks increased the number of years with a SCL to 22 years or 1 out of every 2 years in the NASS progress report data series. Table 15 provides a summary of the planted acres lost due to a flood event and the indemnities paid for each of the flood events.

Table 15. Summary Statistics – Adjusted gate Closing

Flood Event	Acres			Indemnity			
	Min	Max	Average	Min	Max	Average	
20	4.44	578.36	135.95	1,752.48	338,902.25	81,093.36	
25	7.81	861.06	203.91	3,152.80	508,255.27	123,289.94	
50	11.58	1,165.21	277.21	4,713.80	690,974.98	169,006.49	
100	15.82	1,482.62	354.11	6,448.21	899,412.97	217,298.46	
500	19.05	1,656.56	397.26	7,734.01	1,031,742.66	245,095.84	

The severity estimates in Table 15 are significantly higher than those in Table 12. With a two-week delay in gate closing the estimated maximum indemnity from a 500-year flood went from \$59,358 to \$1,031,742, a more than 15-fold increase. The SCL estimates are sensitive to the expected gate closing dates. However, potentially offsetting this sensitivity is the probable negative correlation between flood risk and early plantings and the fact that the NASS crop progress reports are state-level and may not reflect typical planting schedules in the UMA. Next, the procedures used to evaluate prevented planting risk are discussed.

III.D. Prevented Planting

Prevented planting is a failure to plant an insured crop with the proper equipment by the final planting date designated in the insurance policy's Special Provisions or during the late planting period, if applicable.⁶ Prevented plant indemnity is equal to a set percent of the insured's liability. The coverage factor is set by RMA and varies by crop. Table 16 is the coverage factors by crop for the 2021 crop year.

Table 16. Coverage Percent Factors

Crop	Factor
Barley	0.60
Corn	0.55
Dry Beans	0.50
Soybeans	0.60
Sugar beets	0.45
Sunflower	0.60
Wheat	0.60

The calculations for a corn prevented plant payment in the Cass County UMA are the expected yield of 156.9 bushels per acre multiplied by the projected price of \$4.58 per bushel times an assumed coverage level of 85 percent multiplied by the prevented plant coverage factor of 0.55 for a total of \$335.95 per acre. The 85 percent coverage level is utilized to help provide a conservative estimate of expected prevented plant payments.

$$\$335.95 = 156.9 \cdot \$4.58 \cdot 0.85 \cdot 0.55$$

Table 17 shows the prevented plant payments by crop assuming a coverage level of 85 percent and approved yields equal to the expected county yield.

⁶ Prevented Plant summary can be found online at <https://www.rma.usda.gov/Topics/Prevented-Planting>.

Table 17. Prevented Plant Simulated Payments per Acre

State	County	Crop	Expected Yield	Projected Price	Coverage Level	Coverage Factor	Payment Per Acre
MN	Clay	Corn	159.0	4.58	85%	0.55	340.44
MN	Clay	Soybeans	39.1	11.87	85%	0.60	236.70
MN	Clay	Sugar Beets	8,683.0	0.146	85%	0.45	484.90
MN	Clay	Sunflowers	2,006.0	0.273	85%	0.60	279.30
MN	Clay	Wheat	63.7	6.53	85%	0.60	212.14
MN	Wilkin	Corn	166.9	4.58	85%	0.55	357.36
MN	Wilkin	Soybeans	40.4	11.87	85%	0.60	244.57
MN	Wilkin	Sugar Beets	8,652.0	0.146	85%	0.45	483.17
MN	Wilkin	Wheat	58.9	6.53	85%	0.60	196.15
ND	Cass	Barley	85.5	4.18	85%	0.60	182.27
ND	Cass	Corn	156.9	4.58	85%	0.55	335.95
ND	Cass	Dry Beans	1,792.0	0.31	85%	0.50	236.10
ND	Cass	Soybeans	38.7	11.87	85%	0.60	234.28
ND	Cass	Sugar Beets	8,558.0	0.146	85%	0.45	477.92
ND	Cass	Sunflowers	1,999.0	0.273	85%	0.60	278.32
ND	Cass	Wheat	65.5	6.53	85%	0.60	218.13
ND	Richland	Corn	165.6	4.58	85%	0.55	354.57
ND	Richland	Soybeans	40.8	11.87	85%	0.60	246.99
ND	Richland	Sugar Beets	8,478.0	0.146	85%	0.45	473.45
ND	Richland	Sunflowers	1,842.0	0.273	85%	0.60	256.46
ND	Richland	Wheat	59.7	6.53	85%	0.60	198.82

In most of the 910 parcels the activation of the project will increase the length of time land is submerged under water relative to the amount of time the land would have been submerged during the flood event without diversion occurring. Appendix A Table A4 provides the estimate of the difference in days a storage unit will be inundated with water with the project and under existing conditions for the flood events. The cost of the diversion might then be evaluated as the additional length of time the field was submerged relative to what would have happened without the diversion. Unfortunately, when a flood event occurs and diversion measures are taken there is no way to definitively state how long the submerged land would have been inundated without the diversion. The approach of this analysis will be to evaluate the cost of diversion as the total time the land is submerged and not just the estimated marginal impact of being submerged for a longer period of time. If the values in Table A4 are negative it means the diversion project will shorten the length of time the field is inundated with water. This positive effect of the diversion project makes prevented plant payments less likely to occur. However, these positive effects are not counted in the determination of expected prevented planting payments. RMA's 2021 final planting dates by crop are consistent across counties in the UMA and are presented in Table 18.

Table 18. RMA 2021 Final Planting Date

Crop	Final Planting Date 2021
Barley	5/31/2021
Corn	5/31/2021
Dry Beans	6/10/2021
Soybeans	6/10/2021
Sugar Beets	5/31/2021
Sunflowers	6/15/2021
Wheat	5/31/2021

The dates in Table 18 are expected to be the same or similar for 2022 and beyond. There are 61 days between April 1st and May 31st. Appendix A Table A2 presents the number of days from gate activation until water leaves the field and the longest number of days is estimated at 51.5 days for a number of parcels and flood events. The number of days from the latest gate closing on April 1st plus an extra 7 days for field dry down (a maximum of 58.5 days) leaves enough time for planting to commence (2.5 days at least) prior to RMA's late planting date being eclipsed. There is a very small window between expected dry down and the final planting date, but there is an expected window nonetheless. If the length of time for the fields to dry down were extended to 14 days, there are a number of acres that would likely experience prevented planting for each of the flood events. Table 19 shows the calculation of expected prevented planting payments for a 10-year flood event and a 14-day dry down period for parcels associated with storage area DIVSA85E.

Table 19. Prevented Plant Simulated Loss Calculation - Storage Area DIVSA85SE

Flood	Dry Down Period	Acres	Crop	Payment Per Acre	Acreage Percent	Activation Date	Days Water Leave Field	Field Dried Out	Final Planting Date	Payment
20	14	230.82	Barley	182.27	1.20%	4/1/2021	49	6/3/2021	5/31/2021	504.38
20	14	230.82	Corn	335.95	36.62%	4/1/2021	49	6/3/2021	5/31/2021	28,395.87
20	14	230.82	Sugar beets	477.92	2.07%	4/1/2021	49	6/3/2021	5/31/2021	2,286.61
20	14	230.82	Wheat	218.13	7.81%	4/1/2021	49	6/3/2021	5/31/2021	3,932.67
										Total 35,119.53

The prevented plant payment for the Barley acreage in Table 19 is equal to the payment per acre multiplied by the size of the parcels multiplied by the percentage of the crop to the total acreage in the unit.

$$\$504.38 = \$182.27 \cdot 230.82 \cdot 0.012$$

The number of days for the water to leave the field, 49 days, are from the MFDA Hydrological study in Appendix A Table A2. The crop acre percentages are the same values used for the liability and SCL calculations. For each of the flood events and a range of dry down periods, 7, 10, 14, and 21 days, the estimated indemnity payments are presented in Table 20.

Table 20. Prevented Plant Indemnities by Scenario

Flood	Dry Down Days	Indemnity Payments
20	7	-
20	10	-
20	14	35,119.43
20	21	62,301.26
25	7	-
25	10	-
25	14	35,119.43
25	21	62,301.26
50	7	-
50	10	35,119.43
50	14	35,119.43
50	21	62,301.26
100	7	-
100	10	-
100	14	59,467.38
100	21	98,908.80
500	7	-
500	10	-
500	14	484,646.71
500	21	1,081,106.30

The largest payment is \$1.08 million in the event of a 1 in 500-year flood and a 21-day dry down period. Most of the simulated payments in Table 20 are from a single storage unit, unit DIVSA85E which is comprised of 4 parcels in the AE2S supplied data. An outlier storage unit, unit DIVSA85E has an expected time from staging until water clears of nearly 50 days all the way down to a 20-year flood event. The nearly fifty-day period for a 20-year flood event makes it a large outlier. Given that this storage unit could face potential prevented planting significantly more often than other storage areas, this storage area may warrant specific attention and possibly a localized estimate of an insurance rate just for the storage unit given its nature as an outlier. AE2S has indicated that the majority of the parcels comprising DIVSA85E will be part of a wetland restoration area without crop production. The prevented plant payments calculated without the parcels in storage unit DIVSA85E are provided in Table 21.

Table 21. Prevented Plant Indemnities by Scenario without Unit DIVSA85E

Flood	Dry Down Days	Indemnity Payments
20	7	-
20	10	-
20	14	-
20	21	-
25	7	-
25	10	-
25	14	-
25	21	-
50	7	-
50	10	-
50	14	-
50	21	-
100	7	-
100	10	-
100	14	24,347.94
100	21	36,607.54
500	7	-
500	10	-
500	14	449,527.27
500	21	1,018,805.04

Without parcels in storage area DIVSA85E included in the analysis no prevented plant payments are estimated for 20, 25, and 50 year floods, even with a 21-day dry down period. The prevented plant payments are for 100 and 500-year flood events and only with at least a 14 day dry-down period. Prevented plant payments are sensitive to the length of the dry down period. W&A believes that 7 days is the most likely length for a dry down period.

Historical data combined with the MFDA Hydrological report and AE2S parcel data indicate that expected SCL and PP pure loss costs are quite small but that the magnitude of the payments is sensitive to key assumptions used in their determination. The next section discusses assumptions used in the actuarial methods.

III.E. Assumptions

This section highlights important assumptions made during the calculation of expected liability and during the estimation of SCL and PP loss cost ratios. The liability values are estimated based on county-level data and not data specific to the UMA. Sugar beets were estimated to be 2.1 percent of Cass County insured acres. Therefore, any storage units located in Cass County are also assumed to have 2.1 percent of the acreage planted to sugar beets. Given the large value of sugar beet production relative to the other crops (see Table 4) a difference in sugar beet acreage could have a large effect on the actual liability in the UMA. The same goes for the other crops. A dataset tailored to the UMA would increase the accuracy of the liability estimates by providing better approved yield values and information on the crops actually grown.

Another similar assumption is that for SCL planted acreages are consistent across the states of North Dakota and Minnesota. When NASS reports 1 percent of wheat acreage planted prior to April 1st it is assumed that 1 percent of the wheat acreage in the UMA was also planted. No consideration is given for a typical spring warming pattern of south to north and the planting events were assumed to be independent of the expectations for flooding. Both of these

assumptions add to the likelihood that the SCL estimates provided are conservative in nature. On the other hand, if the timing of project gate closing could move later into the spring the sensitivity analysis indicates the estimated SCL values could be much higher than if April 1st is considered the last possible day for gate closing.

Prevented plant estimates are sensitive to the date the gates will be closed and the length of time between the closing of the gates and the fields dying out. The number of dry down days is an important assumption if it is likely that dry down will take longer than ten days. If dry-down is expected to be ten days or fewer then the expected PP payments are zero. Similar to the lack of a range for the gate closing date estimates the time from gate closing for water to leaving the field is also provided by MFDA without a range of outcomes. However, the PP scenarios with dry down periods longer than 7 days are equivalent to sensitivity testing on the length of dry down from MFDA Hydrological study. If those estimates are not likely to be off by more than 3 to 4 days, the PP expected payments are still likely to be zero.

IV. CONCLUDING REMARKS

Historical data, AE2S supplied data, and MFDA Hydrological report data indicate that expected SCL and PP pure loss costs are small but that their magnitude is sensitive to key assumptions used in their determination. Another key attribute of this study, liability, is also potentially biased due to a lack of targeted data. Taken together, the assumptions used in this analysis may reasonably balance each other out in that some are expected to be conservative, independence of early planting and severe flood events, and increase loss estimates while others, like gate closing dates, could be biasing the results by not being considered as a range of outcomes and only as a fixed point.

An interesting outlier in the prevented planting analysis is storage unit DIVSA85E. It's long wait times between gate closing and water draining from the field for the less severe flood events of 20, 25, and 50-years set it apart from other storage units. The storage unit has considerably higher potential for prevented planting losses. However, AE2S has indicated the parcels located in storage unit DIVSA85E may not be used for crop production and therefore no compensation for these lands will be expected.

Based on the assumptions provided and the actuarial loss cost determinations calculated, W&A concludes that the expected ‘pure risk value’ of compensation on an annualized basis is ~\$190 per year for the authority. The hydrological data imply that operation of the project at times when crops may be expected to be growing in fields and/or maintaining field inundation in fields for a sufficient period in the winter and spring to prevent the reasonable planting of crops is exceptionally unlikely.

Appendix A

Hydrological Information

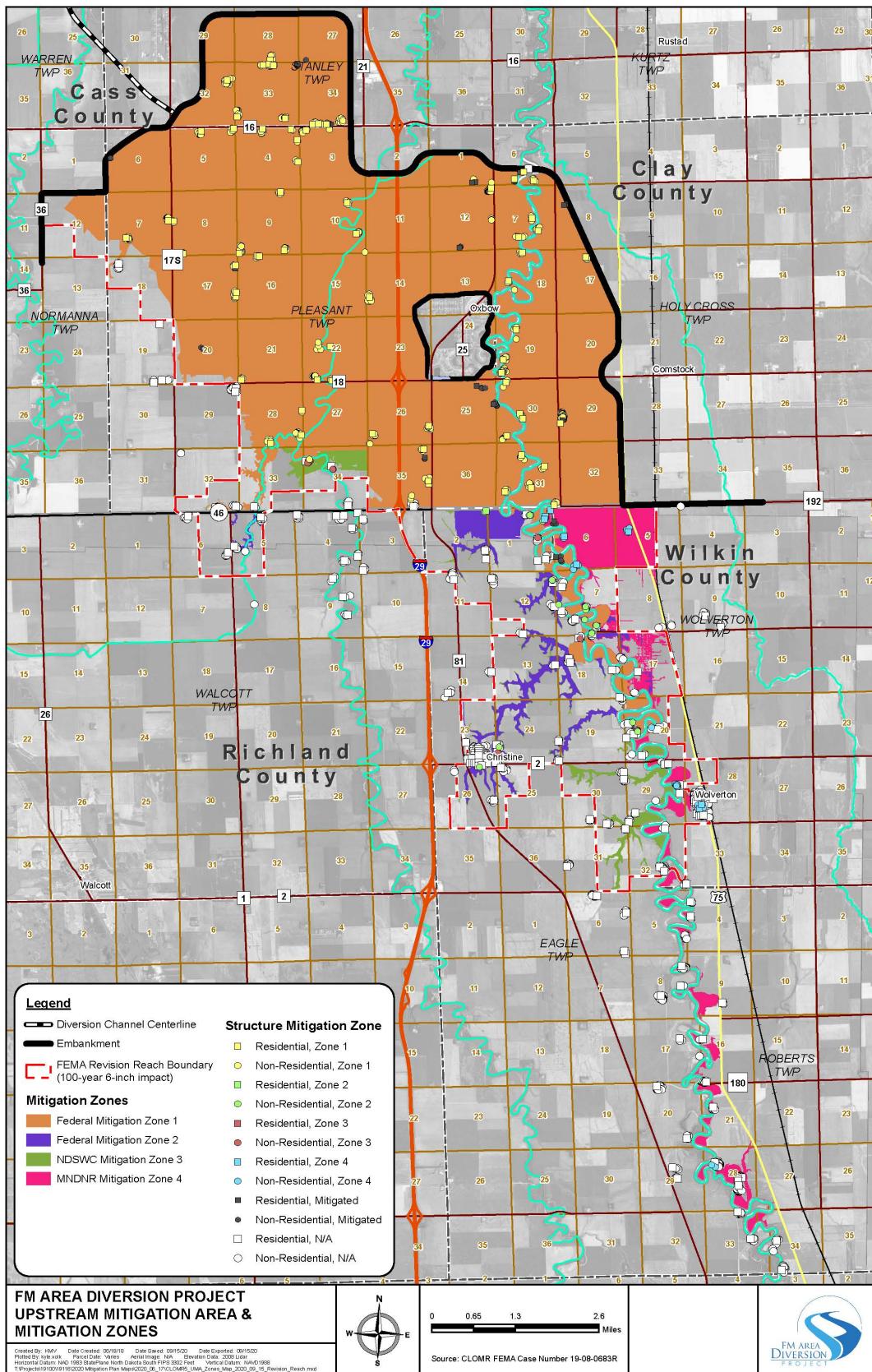


Table A1.

Parcel	Storage Area	State	County	Acres
11	missing	ND	Cass	0.03
12	missing	ND	Cass	0.06
13	missing	ND	Cass	0.08
14	missing	ND	Cass	0.11
15	DIVSA86S	ND	Cass	10.01
16	DIVSA86S	ND	Cass	10.02
17	DIVSA86S	ND	Cass	10.02
18	DIVSA86S	ND	Cass	9.52
19	DIVSA86S	ND	Cass	9.51
20	DIVSA86S	ND	Cass	10.01
21	DIVSA86S	ND	Cass	10.01
22	DIVSA86S	ND	Cass	10.01
23	DIVSA86S	ND	Cass	6.07
24	DIVSA86S	ND	Cass	10.62
25	DIVSA86S	ND	Cass	8.58
26	DIVSA87S	ND	Cass	77.68
27	DIVSA86S	ND	Cass	0.83
28	DIVSA86S	ND	Cass	1.62
29	WRSA321	ND	Cass	1.62
30	WRSA315	ND	Cass	1.56
31	WRSA315	ND	Cass	75.90
175	RR29	ND	Richland	23.02
176	RR29	ND	Richland	30.88
213	DIVSA85E	ND	Cass	68.47
217	DIVSA85E	ND	Cass	79.64
230	missing	ND	Cass	0.85
232	WRSA309	ND	Cass	78.80
247	missing	ND	Cass	3.88
249	RR4	MN	Clay	34.43
250	RR4	MN	Clay	31.19
251	WLVSA236	MN	Clay	167.48
253	DIVSA98W	MN	Clay	28.48
254	DIVSA98W	MN	Clay	11.05
255	DIVSA98W	MN	Clay	5.38
256	DIVSA98W	MN	Clay	16.42
257	missing	ND	Cass	0.49
809	DIVSA93S	ND	Cass	121.66
810	RR5	ND	Cass	5.57
811	RR5	ND	Cass	1.04
814	BD1	ND	Cass	54.86
815	BD1	ND	Cass	12.75
816	DIVSA89W	ND	Cass	37.65
817	DIVSA89W	ND	Cass	49.70
818	DIVSA89W	ND	Cass	138.49
819	DIVSA89W	ND	Cass	3.81
820	DIVSA89W	ND	Cass	2.42
821	DIVSA89W	ND	Cass	162.89
822	DIVSA89W	ND	Cass	56.99
823	DIVSA89W	ND	Cass	81.63
824	WRSA315	ND	Cass	79.68
825	WRSA315	ND	Cass	64.65
826	WRSA315	ND	Cass	4.14
827	WRSA315	ND	Cass	141.09

Parcel	Storage Area	State	County	Acres
828	WRSA315	ND	Cass	80.83
829	WRSA315	ND	Cass	162.50
830	DIVSA84	ND	Cass	143.83
831	DIVSA84	ND	Cass	7.07
832	DIVSA84	ND	Cass	72.36
833	DIVSA84	ND	Cass	38.11
834	DIVSA84	ND	Cass	38.08
835	WRSA309	ND	Cass	37.80
836	WRSA309	ND	Cass	39.41
837	WRSA309	ND	Cass	1.66
838	WRSA309	ND	Cass	71.99
839	WRSA309	ND	Cass	2.28
840	WRRND18	ND	Cass	159.53
841	WRSA305D	ND	Cass	160.12
842	WRSA305D	ND	Cass	155.23
843	WRSA311	ND	Cass	143.88
844	WRSA350	ND	Cass	67.89
845	WRSA350	ND	Cass	80.00
846	WRSA312	ND	Cass	125.70
847	WRSA312	ND	Cass	161.46
848	WRSA363	ND	Cass	160.21
849	WRRND16	ND	Cass	160.18
850	WRSA304	ND	Cass	78.99
851	WRSA304	ND	Cass	78.93
852	WRSA304	ND	Cass	78.69
853	WRSA304	ND	Cass	78.88
854	WRSA299	ND	Cass	94.07
855	WRSA299	ND	Cass	52.05
856	WRSA364	ND	Cass	121.16
857	WRRND14	ND	Cass	66.30
858	WRRND14	ND	Cass	11.79
859	WRRND13	ND	Cass	115.59
860	WRRND13	ND	Cass	80.47
861	WRRND12	ND	Cass	80.94
866	WRRND11	ND	Cass	46.33
867	WRRND11	ND	Cass	49.61
872	RR7	ND	Cass	1.44
873	RR7	ND	Cass	1.55
874	RR7	ND	Cass	1.68
875	RR7	ND	Cass	1.76
876	RR7	ND	Cass	1.77
877	WRSA315	ND	Cass	2.75
1075	DIVSA87S	ND	Cass	28.89
1076	DIVSA87S	ND	Cass	29.39
1077	DIVSA87S	ND	Cass	11.05
1078	DIVSA87S	ND	Cass	40.39
1079	DIVSA87S	ND	Cass	60.43
1080	missing	ND	Cass	28.37
1081	missing	ND	Cass	8.23
1082	DIVSA87S	ND	Cass	80.67
1083	DIVSA86S	ND	Cass	78.79
1084	DIVSA86S	ND	Cass	58.59
1085	DIVSA86S	ND	Cass	73.93
1086	DIVSA86S	ND	Cass	152.07
1087	DIVSA85E	ND	Cass	80.37

Parcel	Storage Area	State	County	Acres
1088	missing	ND	Cass	0.13
1089	missing	ND	Cass	1.38
1093	DIVSA84E	ND	Cass	77.51
1094	DIVSA84E	ND	Cass	55.39
1095	DIVSA84E	ND	Cass	25.00
1096	DIVSA84	ND	Cass	69.88
1097	missing	ND	Cass	33.98
1098	DIVSA84E	ND	Cass	80.41
1099	DIVSA84	ND	Cass	76.15
1100	WRSA321	ND	Cass	40.01
1101	WRSA321	ND	Cass	4.00
1102	WRSA321	ND	Cass	36.00
1103	WRSA321	ND	Cass	35.01
1104	WRSA321	ND	Cass	5.03
1105	WRSA321	ND	Cass	40.05
1106	WRSA321	ND	Cass	148.31
1107	WRSA321	ND	Cass	7.78
1108	WRSA321	ND	Cass	77.83
1109	WRSA321	ND	Cass	80.07
1110	WRSA321	ND	Cass	65.86
1112	WRSA321	ND	Cass	64.91
1113	WRSA321	ND	Cass	9.28
1116	DIVSA88W	ND	Cass	80.98
1117	DIVSA88W	ND	Cass	81.11
1118	DIVSA88W	ND	Cass	142.24
1119	DIVSA88W	ND	Cass	20.00
1122	DIVSA88W	ND	Cass	28.45
1123	missing	ND	Cass	1.76
1124	DIVSA88W	ND	Cass	146.90
1126	DIVSA88W	ND	Cass	0.90
1127	DIVSA88W	ND	Cass	0.90
1128	DIVSA88W	ND	Cass	0.90
1129	DIVSA88W	ND	Cass	0.92
1130	DIVSA88W	ND	Cass	1.40
1131	DIVSA88W	ND	Cass	1.40
1233	WRSA311	ND	Cass	14.90
1235	WRSA299	ND	Cass	54.62
1237	RR28	MN	Wilkin	48.55
1238	RR27	ND	Richland	110.31
1239	RR30	MN	Wilkin	27.82
1240	missing	ND	Cass	25.14
1249	RR26	MN	Wilkin	27.48
1250	WLVSA218	MN	Wilkin	84.72
1251	RR26	MN	Wilkin	12.00
1252	RR26	MN	Wilkin	7.32
1253	RR25	ND	Richland	5.51
1254	RR26	MN	Wilkin	39.79
1256	RR28	MN	Wilkin	31.35
1257	WLVSA218	MN	Wilkin	83.27
1258	WLVSA218	MN	Wilkin	54.81
1259	WLVSA219	MN	Wilkin	59.72
1260	WLVSA211	MN	Wilkin	60.43
1261	WLVSA57	MN	Wilkin	60.91
1262	WLVSA57	MN	Wilkin	84.89
1263	WLVSA57	MN	Wilkin	68.81

Parcel	Storage Area	State	County	Acres
1265	WLVSA211	MN	Wilkin	1.36
1266	RR30	MN	Wilkin	37.84
1267	WLVSA57	MN	Wilkin	9.84
1268	WLVSA57	MN	Wilkin	5.17
1269	WLVSA57	MN	Wilkin	1.35
1270	missing	ND	Cass	105.75
1271	missing	ND	Cass	38.20
1276	WLVSA64	MN	Wilkin	4.52
1277	missing	ND	Cass	7.92
1294	WLVSA210	MN	Wilkin	73.45
1297	WLVSA64	MN	Wilkin	2.21
1298	WLVSA64	MN	Wilkin	0.66
1299	WLVSA64	MN	Wilkin	0.96
1303	RR32	MN	Wilkin	56.74
1305	RR32	MN	Wilkin	4.09
1306	RR32	MN	Wilkin	3.61
1307	RR33	ND	Richland	32.47
1308	RR33	ND	Richland	27.04
1309	RR34	MN	Wilkin	12.79
1310	RR34	MN	Wilkin	12.20
1311	WLVSA65	MN	Wilkin	5.51
1312	RR33	ND	Richland	67.31
1313	WLVSA66	MN	Wilkin	15.81
1314	WLVSA205	MN	Wilkin	9.21
1315	RR36	MN	Wilkin	82.51
1316	RR36	MN	Wilkin	15.77
1317	WLVSA66	MN	Wilkin	3.74
1318	RR40	MN	Wilkin	104.69
1320	RR39	ND	Richland	17.19
1321	WLVSA204	MN	Wilkin	21.49
1324	RR42	MN	Wilkin	18.14
1325	WLVSA204	MN	Wilkin	5.02
1328	RR35	ND	Richland	18.86
1329	RR37	ND	Richland	3.47
1330	RR39	ND	Richland	3.79
1334	RR33	ND	Richland	0.00
1335	RR37	ND	Richland	25.18
1336	RR38	MN	Wilkin	2.51
1337	CHRSA17	ND	Richland	15.04
1338	RR37	ND	Richland	43.27
1339	CHRSA10	ND	Richland	2.03
1342	CHRSA109	ND	Richland	2.75
1343	CHRSA109	ND	Richland	0.00
1344	CHRSA109	ND	Richland	21.16
1345	RR35	ND	Richland	20.91
1347	CHRSA17	ND	Richland	31.74
1348	RR39	ND	Richland	7.33
1349	RR37	ND	Richland	41.37
1351	RR37	ND	Richland	8.57
1352	CHRSA17	ND	Richland	31.70
1354	CHRSA17	ND	Richland	5.84
1355	RR35	ND	Richland	1.74
1356	RR39	ND	Richland	7.66
1357	RR39	ND	Richland	0.11
1358	CHRSA108	ND	Richland	0.05

Parcel	Storage Area	State	County	Acres
1360	CHRSA17	ND	Richland	4.59
1361	CHRSA17	ND	Richland	4.96
1362	CHRSA17	ND	Richland	0.30
1363	CHRSA17	ND	Richland	11.46
1366	CHRSA20	ND	Richland	25.80
1367	CHRSA13	ND	Richland	7.48
1368	CHRSA13	ND	Richland	2.22
1369	CHRSA13	ND	Richland	11.64
1370	CHRSA13	ND	Richland	21.48
1371	CHRSA13	ND	Richland	6.43
1375	CHRSA19	ND	Richland	22.32
1402	CHRSA08	ND	Richland	2.28
1405	RR27	ND	Richland	2.03
1411	RR25	ND	Richland	4.39
1412	RR25	ND	Richland	0.42
1447	CHRSA16	ND	Richland	1.60
1450	CHRSA119	ND	Richland	4.20
1451	CHRSA117	ND	Richland	34.83
1452	CHRSA118	ND	Richland	77.07
1453	RR25	ND	Richland	4.09
1455	CHRSA15	ND	Richland	2.67
1461	CHRSA15	ND	Richland	5.45
1463	CHRSA15	ND	Richland	13.97
1466	RR25	ND	Richland	58.19
1468	CHRSA15	ND	Richland	0.28
1471	CHRSA119	ND	Richland	7.35
1473	CHRSA07	ND	Richland	139.61
1474	CHRSA07	ND	Richland	4.20
1475	CHRSA08	ND	Richland	16.53
1476	CHRSA08	ND	Richland	0.03
1477	CHRSA08	ND	Richland	4.94
1478	CHRSA08	ND	Richland	1.00
1479	CHRSA08	ND	Richland	2.28
1481	CHRSA05E	ND	Richland	8.30
1485	RR27	ND	Richland	12.79
1486	RR25	ND	Richland	7.15
1491	CHRSA15	ND	Richland	7.67
1494	CHRSA117	ND	Richland	0.52
1496	CHRSA119	ND	Richland	4.46
1512	CHRSA16	ND	Richland	3.28
1513	CHRSA16	ND	Richland	22.65
1514	CHRSA16	ND	Richland	37.58
1515	CHRSA16	ND	Richland	5.96
1516	CHRSA16	ND	Richland	0.05
1517	CHRSA16	ND	Richland	0.12
1520	CHRSA18E	ND	Richland	1.93
1523	CHRSA19	ND	Richland	1.05
1524	CHRSA19	ND	Richland	48.17
1541	DRAIN372	ND	Richland	5.21
1542	CHRSA113	ND	Richland	2.52
1543	RR31	ND	Richland	0.62
1544	CHRSA113	ND	Richland	3.10
1545	CHRSA110	ND	Richland	26.27
1548	CHRSA110	ND	Richland	13.65
1550	DRAIN372	ND	Richland	9.54

Parcel	Storage Area	State	County	Acres
1551	WRSA284	ND	Richland	1.25
1554	CHRSA15	ND	Richland	0.32
1556	CHRSA15	ND	Richland	0.01
1566	CHRSA15	ND	Richland	0.59
1567	CHRSA15	ND	Richland	0.45
1568	CHRSA15	ND	Richland	0.71
1569	CHRSA16	ND	Richland	7.89
1570	CHRSA16	ND	Richland	9.99
1572	DRAIN372	ND	Richland	1.37
1573	DRAIN372	ND	Richland	14.43
1578	CHRSA13	ND	Richland	31.54
1580	CHRSA13	ND	Richland	37.42
1581	CHRSA110	ND	Richland	21.16
1582	CHRSA109	ND	Richland	8.43
1583	CHRSA109	ND	Richland	13.68
1584	CHRSA109	ND	Richland	26.04
1585	RR29	ND	Richland	41.40
1586	CHRSA111	ND	Richland	1.57
1587	RR31	ND	Richland	0.06
1588	CHRSA110	ND	Richland	17.71
1589	CHRSA111	ND	Richland	3.91
1594	DRAIN372	ND	Richland	7.45
1595	WRSA284	ND	Richland	0.39
1596	RR39	ND	Richland	32.79
1597	RR39	ND	Richland	3.27
1599	CHRSA17	ND	Richland	1.35
1600	RR31	ND	Richland	27.52
1604	RR27	ND	Richland	4.22
1605	RR27	ND	Richland	3.01
1606	RR27	ND	Richland	2.61
1607	RR27	ND	Richland	2.22
1608	RR27	ND	Richland	2.07
1615	RR41	ND	Richland	3.84
1616	CHRSA20	ND	Richland	11.70
1630	DIVSA99W	MN	Clay	111.11
1633	DIVSA101	MN	Clay	73.48
1634	RR18	MN	Clay	13.23
1635	RR21	ND	Cass	58.68
1638	DIVSA98W	MN	Clay	57.17
1648	DIVSA99W	MN	Clay	79.45
1650	DIVSA99W	MN	Clay	69.58
1665	DIVSA101	MN	Clay	2.35
1670	DIVSA102	MN	Clay	214.53
1671	DIVSA102	MN	Clay	160.02
1672	WLVSA215	MN	Clay	69.99
1673	WLVSA215	MN	Clay	9.05
1674	RR22	MN	Clay	2.02
1675	RR22	MN	Clay	3.35
1678	DIVSA100	MN	Clay	36.78
1689	WLVSA232	MN	Clay	61.11
1690	WLVSA228	MN	Clay	40.21
1777	WLVSA233	MN	Clay	79.83
1783	DIVSA101	MN	Clay	70.85
1785	RR18	MN	Clay	9.67
1791	DIVSA101	MN	Clay	73.52

Parcel	Storage Area	State	County	Acres
1792	DIVSA101	MN	Clay	5.86
1793	DIVSA101	MN	Clay	9.64
1794	WLVSA213	MN	Clay	90.58
1795	RR18	MN	Clay	5.38
1796	DIVSA101	MN	Clay	136.67
1802	DIVSA101	MN	Clay	4.52
1803	WLVSA214	MN	Clay	37.99
1804	RR20	MN	Clay	9.55
1805	RR20	MN	Clay	12.10
1806	WLVSA214	MN	Clay	38.06
1812	WLVSA215	MN	Clay	8.49
1820	missing	ND	Cass	0.05
1822	DIVSA102	MN	Clay	146.68
1824	WLVSA217	MN	Clay	157.09
1826	RR24	MN	Clay	4.96
1827	WLVSA217	MN	Clay	21.81
1830	RR24	MN	Clay	30.72
1833	DIVSA102	MN	Clay	53.21
1834	RR26	MN	Wilkin	9.53
1835	RR12	MN	Clay	122.83
1836	WLVSA222	MN	Clay	110.17
1837	DIVSA99W	MN	Clay	158.80
1838	WLVSA220	MN	Clay	121.46
1839	missing	ND	Cass	194.29
1840	DIVSA100	MN	Clay	269.71
1841	WLVSA229	MN	Clay	178.40
1842	DIVSA100	MN	Clay	221.46
1845	DIVSA99W	MN	Clay	42.75
1847	DIVSA99W	MN	Clay	9.69
1850	DIVSA98W	MN	Clay	74.44
1861	DIVSA101	MN	Clay	202.00
1868	WLVSA234	MN	Clay	58.71
1869	WLVSA233	MN	Clay	79.96
1876	DIVSA100	MN	Clay	33.07
1880	RR25	ND	Richland	4.75
1881	WRSA309	ND	Cass	81.14
1882	WRSA309	ND	Cass	81.17
1883	WRSA507	ND	Cass	153.63
1885	RR9	ND	Cass	53.76
1886	RR10	MN	Clay	90.20
1889	RR18	MN	Clay	6.76
1890	CHRSA115	ND	Cass	36.24
1891	RR19	ND	Cass	16.54
1892	RR25	ND	Richland	3.71
1893	RR11	ND	Cass	50.68
1895	RR19	ND	Cass	62.08
1896	CHRSA114	ND	Cass	32.18
1897	CHRSA114	ND	Cass	86.73
1898	RR21	ND	Cass	44.12
1899	RR23	ND	Cass	52.76
1901	WRSA309	ND	Cass	81.07
1902	WRSA309	ND	Cass	81.17
1903	WRSA309	ND	Cass	81.27
1904	WRSA305B	ND	Cass	81.17
1905	WRSA305B	ND	Cass	71.23

Parcel	Storage Area	State	County	Acres
1906	WRSA305B	ND	Cass	10.00
1907	WRSA305A	ND	Cass	162.64
1908	WRSA305A	ND	Cass	142.16
1909	DIVSA84	ND	Cass	80.43
1910	DIVSA84	ND	Cass	80.39
1911	DIVSA84	ND	Cass	66.77
1912	DIVSA84	ND	Cass	9.25
1913	DIVSA84	ND	Cass	80.46
1914	WRSA305A	ND	Cass	20.32
1915	WRSA305B	ND	Cass	149.46
1916	WRSA305B	ND	Cass	12.78
1917	WRSA305D	ND	Cass	80.03
1918	WRSA305D	ND	Cass	79.84
1919	WRRND18	ND	Cass	0.30
1920	WRSA350	ND	Cass	147.71
1921	WRSA311	ND	Cass	145.26
1922	WRSA312	ND	Cass	22.13
1923	WRSA312	ND	Cass	40.56
1924	WRSA312	ND	Cass	69.62
1925	WRSA312	ND	Cass	40.31
1926	WRSA312	ND	Cass	11.95
1927	WRSA312	ND	Cass	155.68
1929	WRSA306	ND	Cass	160.29
1930	WRSA306	ND	Cass	55.13
1932	WRSA306	ND	Cass	148.93
1933	WRSA351	ND	Cass	67.60
1934	WRSA351	ND	Cass	80.35
1935	WRSA312	ND	Cass	1.15
1938	WRSA351	ND	Cass	136.92
1939	WRSA351	ND	Cass	10.98
1940	WRSA306	ND	Cass	34.91
1941	WRSA306	ND	Cass	70.88
1942	WRSA305C	ND	Cass	79.68
1943	WRSA305C	ND	Cass	79.53
1944	WRSA363	ND	Cass	80.88
1945	WRSA363	ND	Cass	80.68
1946	WRSA305C	ND	Cass	40.22
1947	WRSA305C	ND	Cass	40.33
1948	WRSA305C	ND	Cass	40.37
1949	WRSA305C	ND	Cass	160.74
1950	WRSA305C	ND	Cass	160.66
1951	WRSA305C	ND	Cass	159.93
1952	WRSA304	ND	Cass	69.73
1953	WRSA304	ND	Cass	10.07
1954	WRSA299	ND	Cass	160.54
1955	WRSA304	ND	Cass	1.52
1956	WRSA304	ND	Cass	80.74
1957	WRSA304	ND	Cass	80.89
1958	WRSA304	ND	Cass	2.00
1959	WRSA304	ND	Cass	4.78
1960	WRSA304	ND	Cass	74.17
1961	WRSA299	ND	Cass	75.02
1962	WRSA299	ND	Cass	70.51
1963	WRSA299	ND	Cass	40.00
1964	WRSA299	ND	Cass	16.87

Parcel	Storage Area	State	County	Acres
1965	WRSA300	ND	Cass	160.57
1966	WRSA300	ND	Cass	160.11
1967	WRSA300	ND	Cass	152.89
1968	WRSA300	ND	Cass	7.42
1969	WRSA300	ND	Cass	160.77
1970	WRRND15	ND	Cass	81.32
1971	WRSA364	ND	Cass	40.67
1972	WRRND14	ND	Cass	161.42
1973	WRSA364	ND	Cass	42.65
1974	WRRND14	ND	Cass	121.41
1975	WRSA302	ND	Cass	89.88
1976	WRSA352	ND	Cass	147.49
1977	WRSA352	ND	Cass	129.09
1978	WRSA352	ND	Cass	9.44
1979	WRSA302	ND	Cass	39.21
1989	RR15	ND	Cass	20.25
1990	RR17	ND	Cass	68.29
1991	CHRSA116	ND	Cass	149.03
1992	RR17	ND	Cass	13.46
1993	CHRSA02	ND	Cass	155.92
1994	CHRSA02	ND	Cass	144.21
1995	CHRSA115	ND	Cass	79.34
1996	CHRSA01	ND	Cass	72.26
1997	CHRSA01	ND	Cass	64.33
1998	WRSA353	ND	Cass	136.75
2000	WRSA353	ND	Cass	118.33
2001	CHRSA01	ND	Cass	137.24
2002	CHRSA01	ND	Cass	9.21
2003	WRRND12	ND	Cass	160.94
2004	WRRND13	ND	Cass	5.26
2005	WRRND12	ND	Cass	120.89
2006	WRRND12	ND	Cass	77.97
2007	WRSA907	ND	Cass	60.17
2008	WRSA907	ND	Cass	80.51
2009	WRSA907	ND	Cass	10.05
2010	WRSA907	ND	Cass	10.05
2011	WRSA907	ND	Cass	156.68
2012	DRAIN374	ND	Cass	63.92
2013	WRRND12	ND	Cass	2.82
2014	DRAIN374	ND	Cass	48.50
2015	DRAIN374	ND	Cass	139.41
2016	DRAIN374	ND	Cass	19.95
2021	WRSA289	ND	Cass	0.21
2022	WRSA289	ND	Cass	1.53
2023	WRSA289	ND	Cass	5.33
2024	WRSA289	ND	Cass	3.46
2025	WRSA390	ND	Cass	28.67
2026	DRAIN373	ND	Cass	68.18
2027	DRAIN373	ND	Cass	15.13
2029	DRAIN373	ND	Cass	5.25
2031	WRRND11	ND	Cass	87.92
2032	WRRND11	ND	Cass	23.52
2033	WRRND11	ND	Cass	33.80
2035	WRRND10	ND	Cass	21.62
2036	WRRND9	ND	Cass	1.60

Parcel	Storage Area	State	County	Acres
2039	CHRSA03	ND	Cass	9.55
2040	CHRSA03	ND	Cass	105.26
2041	CHRSA03	ND	Cass	6.38
2042	WRSA354	ND	Cass	145.00
2043	WRSA354	ND	Cass	120.74
2044	CHRSA03	ND	Cass	4.72
2045	CHRSA03	ND	Cass	53.21
2046	CHRSA03	ND	Cass	29.44
2047	CHRSA03	ND	Cass	30.67
2048	CHRSA114	ND	Cass	40.47
2049	CHRSA114	ND	Cass	121.14
2050	CHRSA04	ND	Cass	154.89
2051	CHRSA04	ND	Cass	152.56
2052	CHRSA114	ND	Cass	161.63
2150	RR12	MN	Clay	6.61
2182	CHRSA120	ND	Cass	5.76
2183	CHRSA03	ND	Cass	3.74
2184	CHRSA03	ND	Cass	4.00
2185	WRSA309	ND	Cass	2.44
2313	RR13	ND	Cass	3.87
2358	WRSA294	ND	Cass	0.60
2361	WRSA305C	ND	Cass	40.12
5000	missing	ND	Cass	3.17
5001	DIVSA87S	ND	Cass	4.76
5002	DIVSA84E	ND	Cass	2.87
5004	DIVSA105	ND	Cass	57.48
5007	missing	ND	Cass	0.16
5009	DIVSA105	ND	Cass	83.14
5011	DIVSA107E	ND	Cass	0.10
5012	DIVSA105	ND	Cass	43.69
5013	DIVSA105	ND	Cass	156.06
5014	DIVSA107E	ND	Cass	8.70
5015	DIVSA107E	ND	Cass	4.21
5016	DIVSA107E	ND	Cass	122.32
5017	DIVSA107E	ND	Cass	25.36
5018	DIVSA107E	ND	Cass	6.37
5019	WRSA308	ND	Cass	167.59
5020	WRSA308	ND	Cass	106.47
5021	WRSA308	ND	Cass	0.14
5022	WRSA308	ND	Cass	40.24
5023	WRSA308	ND	Cass	8.97
5025	DIVSA107E	ND	Cass	6.08
5026	DIVSA107E	ND	Cass	32.30
5027	WRSA308	ND	Cass	104.45
5028	WRSA308	ND	Cass	9.99
5029	WRSA308	ND	Cass	102.88
5030	WRSA308	ND	Cass	50.60
5032	WRSA303	ND	Cass	4.39
5033	WRSA303	ND	Cass	2.78
5034	WRSA303	ND	Cass	52.43
5035	WRSA303	ND	Cass	18.38
5036	WRSA303	ND	Cass	16.93
5038	WRSA303	ND	Cass	17.22
5054	missing	ND	Cass	0.65
5055	DIVSA105	ND	Cass	4.25

Parcel	Storage Area	State	County	Acres
5059	RR43	ND	Richland	9.28
5061	DIVSA102	MN	Clay	40.05
5128	DIVSA85E	ND	Cass	2.34
5129	DIVSA86S	ND	Cass	4.02
5167	RR50	MN	Wilkin	2.67
5168	RR50	MN	Wilkin	2.63
5169	RR50	MN	Wilkin	7.41
5170	RR52	MN	Wilkin	5.06
5172	RR50	MN	Wilkin	35.32
5173	RR50	MN	Wilkin	7.32
5174	RR52	MN	Wilkin	20.72
5176	RR52	MN	Wilkin	5.03
5177	RR54	MN	Wilkin	12.24
5178	RR54	MN	Wilkin	0.01
5179	RR56	MN	Wilkin	10.10
5180	RR54	MN	Wilkin	4.07
5181	RR54	MN	Wilkin	1.94
5182	RR54	MN	Wilkin	5.21
5183	RR56	MN	Wilkin	24.96
5184	RR56	MN	Wilkin	43.28
5185	RR58	MN	Wilkin	27.96
5186	RR58	MN	Wilkin	11.75
5187	RR60	MN	Wilkin	36.62
5188	RR60	MN	Wilkin	1.09
5189	RR60	MN	Wilkin	4.28
5190	RR60	MN	Wilkin	41.25
5206	RR48	MN	Wilkin	46.19
5207	RR48	MN	Wilkin	0.60
5208	WLVSA202	MN	Wilkin	1.38
5210	RR48	MN	Wilkin	0.36
5212	missing	ND	Cass	0.43
5279	CHRSA15	ND	Richland	0.01
7002	RR21	ND	Cass	23.58
7003	DIVSA89W	ND	Cass	1.88
7004	WRSA299	ND	Cass	7.39
7100	missing	ND	Cass	13.67
7101	missing	ND	Cass	28.13
7102	missing	ND	Cass	68.21
7103	missing	ND	Cass	8.52
7104	missing	ND	Cass	6.79
7105	missing	ND	Cass	22.20
7106	missing	ND	Cass	1.49
7107	missing	ND	Cass	53.11
7108	missing	ND	Cass	4.57
7109	missing	ND	Cass	1.35
8359	DIVSA88W	ND	Cass	48.45
8360	WRRND11	ND	Cass	4.76
8385	WRSA321	ND	Cass	10.00
8386	DIVSA88W	ND	Cass	5.15
8465	CHRSA20	ND	Richland	10.86
8466	CHRSA20	ND	Richland	2.34
8467	CHRSA20	ND	Richland	2.20
8468	CHRSA20	ND	Richland	0.05
8473	CHRSA20	ND	Richland	5.10
8475	CHRSA20	ND	Richland	0.07

Parcel	Storage Area	State	County	Acres
8476	CHRSA20	ND	Richland	1.71
8517	WRSA306	ND	Cass	9.23
8518	WRSA306	ND	Cass	10.63
8527	RR26	MN	Wilkin	5.68
8528	RR26	MN	Wilkin	5.55
8687	CHRSA15	ND	Richland	0.18
8688	CHRSA15	ND	Richland	0.30
8689	CHRSA15	ND	Richland	0.14
8690	CHRSA15	ND	Richland	0.16
8691	CHRSA15	ND	Richland	0.15
8692	CHRSA15	ND	Richland	0.14
8693	CHRSA15	ND	Richland	0.48
8694	CHRSA15	ND	Richland	0.59
8695	CHRSA19	ND	Richland	0.34
8696	CHRSA19	ND	Richland	0.65
8697	CHRSA15	ND	Richland	0.05
8698	CHRSA15	ND	Richland	0.23
8699	CHRSA15	ND	Richland	0.14
8702	CHRSA15	ND	Richland	0.13
8703	CHRSA15	ND	Richland	0.12
8704	CHRSA15	ND	Richland	0.38
8705	CHRSA15	ND	Richland	0.03
8706	CHRSA15	ND	Richland	0.35
8707	CHRSA15	ND	Richland	0.45
8708	CHRSA15	ND	Richland	0.00
8709	CHRSA15	ND	Richland	0.09
8710	CHRSA15	ND	Richland	0.12
8711	CHRSA15	ND	Richland	0.11
8712	CHRSA15	ND	Richland	0.01
8714	CHRSA15	ND	Richland	0.01
8715	CHRSA15	ND	Richland	0.14
8716	CHRSA15	ND	Richland	0.42
8717	CHRSA15	ND	Richland	0.38
8727	CHRSA16	ND	Richland	0.01
8728	CHRSA16	ND	Richland	2.61
8729	CHRSA16	ND	Richland	1.37
8772	CHRSA18E	ND	Richland	0.49
8773	CHRSA18E	ND	Richland	2.94
8775	CHRSA19	ND	Richland	0.87
8779	CHRSA23	ND	Richland	2.31
8780	CHRSA23	ND	Richland	6.62
8781	CHRSA23	ND	Richland	8.15
8782	CHRSA106	ND	Richland	2.21
8783	CHRSA23	ND	Richland	12.71
8784	CHRSA23	ND	Richland	6.97
8786	RR43	ND	Richland	3.39
8788	RR44	MN	Wilkin	0.99
8789	CHRSA103	ND	Richland	53.53
8790	RR46	MN	Wilkin	32.80
8791	RR44	MN	Wilkin	43.02
8792	RR44	MN	Wilkin	23.12
8793	RR44	MN	Wilkin	1.00
8794	RR44	MN	Wilkin	0.20
8795	RR44	MN	Wilkin	0.69
8796	RR44	MN	Wilkin	0.29

Parcel	Storage Area	State	County	Acres
8797	RR42	MN	Wilkin	0.09
8798	RR41	ND	Richland	34.04
8799	WLVSA204	MN	Wilkin	2.58
8801	WLVSA200	MN	Wilkin	14.72
8802	WLVSA200	MN	Wilkin	1.45
8803	WLVSA200	MN	Wilkin	2.91
8806	WLVSA200	MN	Wilkin	0.06
8807	WLVSA200	MN	Wilkin	0.05
8808	WLVSA200	MN	Wilkin	0.11
8809	WLVSA200	MN	Wilkin	0.08
8810	WLVSA200	MN	Wilkin	0.15
8812	WLVSA200	MN	Wilkin	0.03
8813	WLVSA200	MN	Wilkin	0.26
8814	WLVSA200	MN	Wilkin	0.06
8816	WLVSA200	MN	Wilkin	0.21
8817	WLVSA200	MN	Wilkin	0.24
8818	WLVSA200	MN	Wilkin	0.29
8819	WLVSA200	MN	Wilkin	0.12
8820	WLVSA200	MN	Wilkin	0.32
8821	WLVSA200	MN	Wilkin	0.00
8822	WLVSA200	MN	Wilkin	0.00
8823	WLVSA200	MN	Wilkin	0.00
8825	WLVSA200	MN	Wilkin	0.22
8826	WLVSA200	MN	Wilkin	0.51
8827	WLVSA200	MN	Wilkin	0.05
8828	WLVSA200	MN	Wilkin	0.24
8829	WLVSA200	MN	Wilkin	0.16
8830	WLVSA200	MN	Wilkin	0.15
8831	WLVSA200	MN	Wilkin	0.00
8834	WLVSA200	MN	Wilkin	0.19
8835	WLVSA200	MN	Wilkin	0.37
8836	WLVSA200	MN	Wilkin	0.04
8838	missing	ND	Cass	1.13
8856	WRSA302	ND	Cass	87.48
8857	WRSA302	ND	Cass	11.10
8919	DIVSA95	ND	Cass	56.00
8920	WRRND18	ND	Cass	3.84
8922	WRSA307	ND	Cass	192.56
8923	WRSA307	ND	Cass	10.20
9047	RR15	ND	Cass	49.80
9049	WRSA505	ND	Cass	3.01
9050	RR13	ND	Cass	2.28
9051	RR14	MN	Clay	55.35
9054	DIVSA105	ND	Cass	38.08
9055	DIVSA105	ND	Cass	147.78
9056	DIVSA105	ND	Cass	11.26
9112	RR43	ND	Richland	55.62
9115	RR45	ND	Richland	7.73
9116	RR46	MN	Wilkin	31.74
9119	missing	ND	Cass	17.39
9120	RR46	MN	Wilkin	26.31
9152	missing	ND	Cass	3.76
9153	RR33	ND	Richland	3.17
9157	RR38	MN	Wilkin	5.45
9162	CHRSA03	ND	Cass	3.50

Parcel	Storage Area	State	County	Acres
9163	CHRSA03	ND	Cass	9.98
9164	CHRSA03	ND	Cass	8.55
9165	CHRSA03	ND	Cass	3.00
9169	RR6	MN	Clay	25.52
9170	RR10	MN	Clay	33.86
9179	RR42	MN	Wilkin	0.19
9191	DIVSA90S	ND	Cass	100.46
9220	DRAIN373	ND	Cass	0.51
9226	DRAIN373	ND	Cass	1.71
9227	DRAIN373	ND	Cass	2.08
9228	DRAIN373	ND	Cass	3.07
9229	DRAIN373	ND	Cass	1.71
9230	DRAIN373	ND	Cass	8.27
9231	WRSA353	ND	Cass	18.25
9232	WRSA353	ND	Cass	6.97
9233	WLVSA234	MN	Clay	40.05
9234	WRSA505	ND	Cass	37.12
9235	RR27	ND	Richland	7.12
9236	RR27	ND	Richland	0.63
9237	RR27	ND	Richland	0.88
9248	RR29	ND	Richland	1.56
9249	RR27	ND	Richland	0.82
9251	RR27	ND	Richland	0.51
9252	RR27	ND	Richland	1.66
9253	RR27	ND	Richland	2.11
9254	RR27	ND	Richland	2.20
9255	RR27	ND	Richland	1.59
9256	RR27	ND	Richland	2.03
9257	RR29	ND	Richland	1.88
9258	CHRSA109	ND	Richland	9.06
9332	DIVSA94	ND	Cass	61.07
9337	DIVSA94	ND	Cass	79.99
9347	DIVSA95	ND	Cass	3.01
9348	DIVSA93S	ND	Cass	47.95
9349	DIVSA95	ND	Cass	3.31
9352	DIVSA94	ND	Cass	28.79
9359	DIVSA95	ND	Cass	42.51
9363	DIVSA95	ND	Cass	20.29
9381	RR3	ND	Cass	1.06
9382	RR3	ND	Cass	1.17
9383	RR3	ND	Cass	1.17
9384	RR3	ND	Cass	1.24
9385	RR3	ND	Cass	1.32
9386	RR3	ND	Cass	1.34
9387	RR3	ND	Cass	1.59
9388	RR3	ND	Cass	1.11
9393	missing	ND	Cass	0.14
9394	missing	ND	Cass	2.27
9395	missing	ND	Cass	0.58
9396	missing	ND	Cass	1.06
9397	RR3	ND	Cass	1.79
9400	missing	ND	Cass	1.26
9401	RR3	ND	Cass	3.38
9403	DIVSA95	ND	Cass	2.45
9404	DIVSA95	ND	Cass	4.11

Parcel	Storage Area	State	County	Acres
9406	missing	ND	Cass	0.71
9409	missing	ND	Cass	0.71
9410	missing	ND	Cass	0.38
9411	DIVSA95	ND	Cass	2.44
9412	DIVSA95	ND	Cass	8.02
9416	RR9	ND	Cass	3.63
9417	WRSA502	ND	Cass	2.36
9419	WRSA502	ND	Cass	2.68
9420	WRSA502	ND	Cass	5.65
9421	RR7	ND	Cass	1.20
9422	WRSA502	ND	Cass	2.71
9423	WRSA507	ND	Cass	1.86
9424	WRSA507	ND	Cass	1.85
9425	RR7	ND	Cass	2.84
9426	RR7	ND	Cass	2.04
9427	RR7	ND	Cass	1.83
9428	RR7	ND	Cass	2.44
9429	RR7	ND	Cass	1.92
9430	RR7	ND	Cass	1.58
9431	RR7	ND	Cass	2.05
9432	WRSA507	ND	Cass	8.59
9433	WRSA507	ND	Cass	4.53
9434	WRSA507	ND	Cass	2.97
9435	RR7	ND	Cass	0.42
9436	WRSA507	ND	Cass	0.87
9437	RR7	ND	Cass	1.21
9438	RR7	ND	Cass	1.08
9439	WRSA507	ND	Cass	5.22
9440	WRSA507	ND	Cass	0.81
9462	RR9	ND	Cass	1.22
9502	RR13	ND	Cass	0.56
9503	RR13	ND	Cass	0.57
9504	RR13	ND	Cass	0.47
9505	RR13	ND	Cass	0.52
9506	RR13	ND	Cass	0.24
9507	RR13	ND	Cass	0.27
9508	RR13	ND	Cass	0.30
9509	RR13	ND	Cass	0.33
9510	RR13	ND	Cass	0.32
9511	RR13	ND	Cass	0.15
9591	RR13	ND	Cass	0.13
9592	RR13	ND	Cass	0.62
9593	RR13	ND	Cass	1.58
9594	RR13	ND	Cass	0.01
9595	RR13	ND	Cass	1.24
9596	RR14	MN	Clay	1.16
9597	RR14	MN	Clay	0.93
9598	RR14	MN	Clay	0.89
9599	RR14	MN	Clay	0.99
9600	RR14	MN	Clay	0.93
9601	RR13	ND	Cass	0.96
9602	RR14	MN	Clay	0.93
9603	RR14	MN	Clay	0.78
9604	RR14	MN	Clay	0.68
9605	RR14	MN	Clay	0.61

Parcel	Storage Area	State	County	Acres
9606	RR14	MN	Clay	0.70
9607	RR14	MN	Clay	0.76
9608	WRSA505	ND	Cass	0.51
9609	WRSA505	ND	Cass	0.45
9610	WRSA505	ND	Cass	0.52
9611	RR13	ND	Cass	0.47
9612	RR13	ND	Cass	1.22
9613	RR13	ND	Cass	1.24
9614	RR13	ND	Cass	1.49
9615	RR13	ND	Cass	1.39
9616	RR13	ND	Cass	1.12
9617	RR13	ND	Cass	1.11
9618	RR13	ND	Cass	0.89
9619	RR13	ND	Cass	0.70
9620	RR13	ND	Cass	0.33
9621	RR13	ND	Cass	0.33
9622	RR13	ND	Cass	0.58
9623	RR13	ND	Cass	0.80
9624	RR13	ND	Cass	0.60
9625	RR13	ND	Cass	0.61
9626	RR13	ND	Cass	0.58
9627	RR13	ND	Cass	0.66
9628	RR13	ND	Cass	0.68
9629	RR13	ND	Cass	0.65
9630	RR13	ND	Cass	0.64
9631	RR13	ND	Cass	0.68
9632	RR13	ND	Cass	0.73
9633	RR13	ND	Cass	0.79
9634	RR11	ND	Cass	0.09
9635	RR11	ND	Cass	1.04
9636	RR11	ND	Cass	0.47
9637	RR11	ND	Cass	0.47
9638	RR11	ND	Cass	0.94
9639	RR11	ND	Cass	0.82
9640	RR11	ND	Cass	0.70
9641	RR11	ND	Cass	0.70
9642	RR11	ND	Cass	0.94
9643	RR11	ND	Cass	0.69
9644	RR12	MN	Clay	0.69
9645	RR11	ND	Cass	0.71
9646	RR11	ND	Cass	0.64
9647	RR11	ND	Cass	1.26
9648	RR12	MN	Clay	1.02
9649	RR12	MN	Clay	1.11
9650	RR11	ND	Cass	0.96
9651	RR11	ND	Cass	0.75
9652	RR11	ND	Cass	0.11
9653	RR11	ND	Cass	0.12
9654	RR11	ND	Cass	0.13
9655	RR11	ND	Cass	0.13
9656	RR11	ND	Cass	0.14
9657	RR11	ND	Cass	0.10
9658	RR11	ND	Cass	0.10
9659	RR11	ND	Cass	0.10
9660	RR11	ND	Cass	0.09

Parcel	Storage Area	State	County	Acres
9661	RR11	ND	Cass	0.09
9662	RR11	ND	Cass	0.08
9663	WRSA504	ND	Cass	0.18
9664	WRSA504	ND	Cass	0.63
9665	WRSA504	ND	Cass	0.55
9666	WRSA504	ND	Cass	0.57
9667	WRSA504	ND	Cass	0.61
9668	WRSA504	ND	Cass	1.46
9669	WRSA504	ND	Cass	2.69
9670	WRSA504	ND	Cass	2.01
9671	RR11	ND	Cass	2.24
9672	RR12	MN	Clay	2.73
9764	RR13	ND	Cass	1.26
9993	WRSA312	ND	Cass	5.39
9994	WRSA312	ND	Cass	1.82
9995	RR5	ND	Cass	1.35
9996	RR5	ND	Cass	1.26
9997	RR5	ND	Cass	1.05
9998	RR5	ND	Cass	1.35
1097N	missing	ND	Cass	15.65
1097Y	missing	ND	Cass	18.33
1099N	DIVSA84	ND	Cass	25.39
1099X	DIVSA84E	ND	Cass	50.76
1234H	DIVSA84	ND	Cass	35.70
1234I	WRSA350	ND	Cass	26.60
1234J	WRSA312	ND	Cass	6.42
1462A	CHRSA15	ND	Richland	0.41
1462B	CHRSA15	ND	Richland	0.08
1462C	CHRSA15	ND	Richland	0.01
1994N	CHRSA02	ND	Cass	0.02
1994X	CHRSA02	ND	Cass	144.19
253N	DIVSA98W	MN	Clay	28.48

Table A2.

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
11	6.7	8.8	12.6	15.6	25.1	39.8
12	6.7	8.8	12.6	15.6	25.1	39.8
13	6.7	8.8	12.6	15.6	25.1	39.8
14	6.7	8.8	12.6	15.6	25.1	39.8
15	13.0	11.0	12.5	14.0	19.5	42.0
16	13.0	11.0	12.5	14.0	19.5	42.0
17	13.0	11.0	12.5	14.0	19.5	42.0
18	13.0	11.0	12.5	14.0	19.5	42.0
19	13.0	11.0	12.5	14.0	19.5	42.0
20	13.0	11.0	12.5	14.0	19.5	42.0
21	13.0	11.0	12.5	14.0	19.5	42.0
22	13.0	11.0	12.5	14.0	19.5	42.0
23	13.0	11.0	12.5	14.0	19.5	42.0
24	13.0	11.0	12.5	14.0	19.5	42.0
25	13.0	11.0	12.5	14.0	19.5	42.0
26	11.5	10.5	11.0	12.5	17.5	33.0
27	13.0	11.0	12.5	14.0	19.5	42.0
28	13.0	11.0	12.5	14.0	19.5	42.0
29	12.5	11.0	12.5	14.0	18.0	34.5
30	11.0	10.5	12.0	13.5	16.5	45.5
31	11.0	10.5	12.0	13.5	16.5	45.5
175	0.0	0.0	0.0	9.5	17.0	19.0
176	0.0	0.0	0.0	9.5	17.0	19.0
213	49.0	49.0	50.0	50.5	51.5	51.5
217	49.0	49.0	50.0	50.5	51.5	51.5
230	6.7	8.8	12.6	15.6	25.1	39.8
232	3.5	8.0	11.0	12.5	16.0	46.0
247	6.7	8.8	12.6	15.6	25.1	39.8
249	8.5	11.0	13.5	20.0	51.0	48.5
250	8.5	11.0	13.5	20.0	51.0	48.5
251	5.5	9.5	12.0	15.0	37.0	42.0
253	0.0	8.0	10.5	12.5	26.0	31.0
254	0.0	8.0	10.5	12.5	26.0	31.0
255	0.0	8.0	10.5	12.5	26.0	31.0
256	0.0	8.0	10.5	12.5	26.0	31.0
257	6.7	8.8	12.6	15.6	25.1	39.8
809	7.5	10.5	13.0	17.5	43.0	47.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
810	11.0	12.5	15.5	24.5	51.5	51.5
811	11.0	12.5	15.5	24.5	51.5	51.5
814	10.5	11.0	17.0	20.0	31.0	48.0
815	10.5	11.0	17.0	20.0	31.0	48.0
816	9.5	10.0	11.0	12.5	16.0	30.0
817	9.5	10.0	11.0	12.5	16.0	30.0
818	9.5	10.0	11.0	12.5	16.0	30.0
819	9.5	10.0	11.0	12.5	16.0	30.0
820	9.5	10.0	11.0	12.5	16.0	30.0
821	9.5	10.0	11.0	12.5	16.0	30.0
822	9.5	10.0	11.0	12.5	16.0	30.0
823	9.5	10.0	11.0	12.5	16.0	30.0
824	11.0	10.5	12.0	13.5	16.5	45.5
825	11.0	10.5	12.0	13.5	16.5	45.5
826	11.0	10.5	12.0	13.5	16.5	45.5
827	11.0	10.5	12.0	13.5	16.5	45.5
828	11.0	10.5	12.0	13.5	16.5	45.5
829	11.0	10.5	12.0	13.5	16.5	45.5
830	2.0	9.5	11.5	13.5	16.0	24.5
831	2.0	9.5	11.5	13.5	16.0	24.5
832	2.0	9.5	11.5	13.5	16.0	24.5
833	2.0	9.5	11.5	13.5	16.0	24.5
834	2.0	9.5	11.5	13.5	16.0	24.5
835	3.5	8.0	11.0	12.5	16.0	46.0
836	3.5	8.0	11.0	12.5	16.0	46.0
837	3.5	8.0	11.0	12.5	16.0	46.0
838	3.5	8.0	11.0	12.5	16.0	46.0
839	3.5	8.0	11.0	12.5	16.0	46.0
840	11.0	11.5	17.5	20.5	30.5	48.5
841	13.0	13.0	20.0	23.5	39.0	49.5
842	13.0	13.0	20.0	23.5	39.0	49.5
843	8.5	11.0	14.0	19.0	48.5	48.0
844	8.0	10.0	14.5	17.0	26.0	47.0
845	8.0	10.0	14.5	17.0	26.0	47.0
846	9.0	11.0	14.5	20.0	50.5	48.5
847	9.0	11.0	14.5	20.0	50.5	48.5
848	7.0	9.5	13.0	15.5	24.0	46.5
849	8.0	9.5	15.0	17.5	23.0	47.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
850	0.0	7.5	10.5	12.0	15.0	35.5
851	0.0	7.5	10.5	12.0	15.0	35.5
852	0.0	7.5	10.5	12.0	15.0	35.5
853	0.0	7.5	10.5	12.0	15.0	35.5
854	7.0	9.5	13.5	16.0	22.0	47.5
855	7.0	9.5	13.5	16.0	22.0	47.5
856	5.0	8.5	11.5	13.5	18.0	39.0
857	8.5	10.0	15.5	18.0	23.5	47.5
858	8.5	10.0	15.5	18.0	23.5	47.5
859	8.0	9.5	15.5	17.5	22.5	47.0
860	8.0	9.5	15.5	17.5	22.5	47.0
861	6.0	8.0	12.5	15.0	18.5	46.0
866	2.0	3.0	8.0	10.5	13.0	31.0
867	2.0	3.0	8.0	10.5	13.0	31.0
872	8.5	11.0	13.5	20.0	51.0	48.5
873	8.5	11.0	13.5	20.0	51.0	48.5
874	8.5	11.0	13.5	20.0	51.0	48.5
875	8.5	11.0	13.5	20.0	51.0	48.5
876	8.5	11.0	13.5	20.0	51.0	48.5
877	11.0	10.5	12.0	13.5	16.5	45.5
1075	11.5	10.5	11.0	12.5	17.5	33.0
1076	11.5	10.5	11.0	12.5	17.5	33.0
1077	11.5	10.5	11.0	12.5	17.5	33.0
1078	11.5	10.5	11.0	12.5	17.5	33.0
1079	11.5	10.5	11.0	12.5	17.5	33.0
1080	6.7	8.8	12.6	15.6	25.1	39.8
1081	6.7	8.8	12.6	15.6	25.1	39.8
1082	11.5	10.5	11.0	12.5	17.5	33.0
1083	13.0	11.0	12.5	14.0	19.5	42.0
1084	13.0	11.0	12.5	14.0	19.5	42.0
1085	13.0	11.0	12.5	14.0	19.5	42.0
1086	13.0	11.0	12.5	14.0	19.5	42.0
1087	49.0	49.0	50.0	50.5	51.5	51.5
1088	6.7	8.8	12.6	15.6	25.1	39.8
1089	6.7	8.8	12.6	15.6	25.1	39.8
1093	12.0	10.5	11.0	12.5	17.0	31.5
1094	12.0	10.5	11.0	12.5	17.0	31.5
1095	12.0	10.5	11.0	12.5	17.0	31.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1096	2.0	9.5	11.5	13.5	16.0	24.5
1097	6.7	8.8	12.6	15.6	25.1	39.8
1098	12.0	10.5	11.0	12.5	17.0	31.5
1099	2.0	9.5	11.5	13.5	16.0	24.5
1100	12.5	11.0	12.5	14.0	18.0	34.5
1101	12.5	11.0	12.5	14.0	18.0	34.5
1102	12.5	11.0	12.5	14.0	18.0	34.5
1103	12.5	11.0	12.5	14.0	18.0	34.5
1104	12.5	11.0	12.5	14.0	18.0	34.5
1105	12.5	11.0	12.5	14.0	18.0	34.5
1106	12.5	11.0	12.5	14.0	18.0	34.5
1107	12.5	11.0	12.5	14.0	18.0	34.5
1108	12.5	11.0	12.5	14.0	18.0	34.5
1109	12.5	11.0	12.5	14.0	18.0	34.5
1110	12.5	11.0	12.5	14.0	18.0	34.5
1112	12.5	11.0	12.5	14.0	18.0	34.5
1113	12.5	11.0	12.5	14.0	18.0	34.5
1116	12.0	10.5	11.5	13.0	19.5	36.0
1117	12.0	10.5	11.5	13.0	19.5	36.0
1118	12.0	10.5	11.5	13.0	19.5	36.0
1119	12.0	10.5	11.5	13.0	19.5	36.0
1122	12.0	10.5	11.5	13.0	19.5	36.0
1123	6.7	8.8	12.6	15.6	25.1	39.8
1124	12.0	10.5	11.5	13.0	19.5	36.0
1126	12.0	10.5	11.5	13.0	19.5	36.0
1127	12.0	10.5	11.5	13.0	19.5	36.0
1128	12.0	10.5	11.5	13.0	19.5	36.0
1129	12.0	10.5	11.5	13.0	19.5	36.0
1130	12.0	10.5	11.5	13.0	19.5	36.0
1131	12.0	10.5	11.5	13.0	19.5	36.0
1233	8.5	11.0	14.0	19.0	48.5	48.0
1235	7.0	9.5	13.5	16.0	22.0	47.5
1237	0.0	0.0	0.0	0.0	11.5	15.0
1238	0.0	6.0	9.5	12.0	31.0	30.0
1239	0.0	0.0	0.0	7.0	13.5	17.0
1240	6.7	8.8	12.6	15.6	25.1	39.8
1249	5.0	8.5	11.5	15.0	42.5	41.5
1250	0.0	0.0	0.0	8.5	15.5	18.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1251	5.0	8.5	11.5	15.0	42.5	41.5
1252	5.0	8.5	11.5	15.0	42.5	41.5
1253	0.0	0.0	0.0	9.5	14.5	18.0
1254	5.0	8.5	11.5	15.0	42.5	41.5
1256	0.0	0.0	0.0	0.0	11.5	15.0
1257	0.0	0.0	0.0	8.5	15.5	18.5
1258	0.0	0.0	0.0	8.5	15.5	18.5
1259	0.0	0.0	0.0	7.5	15.0	18.5
1260	0.0	0.0	0.0	0.0	13.0	16.5
1261	0.0	0.0	0.0	8.5	15.5	19.0
1262	0.0	0.0	0.0	8.5	15.5	19.0
1263	0.0	0.0	0.0	8.5	15.5	19.0
1265	0.0	0.0	0.0	0.0	13.0	16.5
1266	0.0	0.0	0.0	7.0	13.5	17.0
1267	0.0	0.0	0.0	8.5	15.5	19.0
1268	0.0	0.0	0.0	8.5	15.5	19.0
1269	0.0	0.0	0.0	8.5	15.5	19.0
1270	6.7	8.8	12.6	15.6	25.1	39.8
1271	6.7	8.8	12.6	15.6	25.1	39.8
1276	0.0	0.0	0.0	7.0	15.0	18.0
1277	6.7	8.8	12.6	15.6	25.1	39.8
1294	0.0	0.0	6.0	10.0	22.5	22.0
1297	0.0	0.0	0.0	7.0	15.0	18.0
1298	0.0	0.0	0.0	7.0	15.0	18.0
1299	0.0	0.0	0.0	7.0	15.0	18.0
1303	3.5	7.5	10.5	13.5	40.5	38.5
1305	3.5	7.5	10.5	13.5	40.5	38.5
1306	3.5	7.5	10.5	13.5	40.5	38.5
1307	6.5	9.0	12.0	17.5	51.5	45.5
1308	6.5	9.0	12.0	17.5	51.5	45.5
1309	7.0	9.5	12.0	18.5	51.5	47.0
1310	7.0	9.5	12.0	18.5	51.5	47.0
1311	0.0	0.0	8.0	11.0	27.0	26.5
1312	6.5	9.0	12.0	17.5	51.5	45.5
1313	0.0	0.0	0.0	7.5	16.0	18.0
1314	0.0	0.0	0.0	6.0	15.0	17.5
1315	4.0	7.5	10.5	14.0	43.0	39.5
1316	4.0	7.5	10.5	14.0	43.0	39.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1317	0.0	0.0	0.0	7.5	16.0	18.0
1318	0.0	0.0	0.0	0.0	13.5	16.5
1320	6.0	8.5	11.5	17.0	51.5	45.0
1321	4.5	7.5	10.5	14.5	46.0	40.5
1324	6.5	8.5	11.5	17.5	51.5	45.5
1325	4.5	7.5	10.5	14.5	46.0	40.5
1328	6.5	9.0	11.5	17.5	51.5	45.5
1329	6.5	9.0	11.5	18.0	51.5	46.0
1330	6.0	8.5	11.5	17.0	51.5	45.0
1334	6.5	9.0	12.0	17.5	51.5	45.5
1335	6.5	9.0	11.5	18.0	51.5	46.0
1336	0.0	0.0	0.0	7.5	17.5	18.5
1337	0.0	6.5	10.0	12.5	37.0	35.5
1338	6.5	9.0	11.5	18.0	51.5	46.0
1339	0.0	0.0	0.0	0.0	11.0	16.0
1342	0.0	0.0	9.0	11.5	28.0	28.0
1343	0.0	0.0	9.0	11.5	28.0	28.0
1344	0.0	0.0	9.0	11.5	28.0	28.0
1345	6.5	9.0	11.5	17.5	51.5	45.5
1347	0.0	6.5	10.0	12.5	37.0	35.5
1348	6.0	8.5	11.5	17.0	51.5	45.0
1349	6.5	9.0	11.5	18.0	51.5	46.0
1351	6.5	9.0	11.5	18.0	51.5	46.0
1352	0.0	6.5	10.0	12.5	37.0	35.5
1354	0.0	6.5	10.0	12.5	37.0	35.5
1355	6.5	9.0	11.5	17.5	51.5	45.5
1356	6.0	8.5	11.5	17.0	51.5	45.0
1357	6.0	8.5	11.5	17.0	51.5	45.0
1358	0.0	0.0	0.0	7.5	15.5	18.0
1360	0.0	6.5	10.0	12.5	37.0	35.5
1361	0.0	6.5	10.0	12.5	37.0	35.5
1362	0.0	6.5	10.0	12.5	37.0	35.5
1363	0.0	6.5	10.0	12.5	37.0	35.5
1366	0.0	4.0	8.5	12.0	36.5	34.0
1367	0.0	5.5	9.5	12.0	33.0	32.0
1368	0.0	5.5	9.5	12.0	33.0	32.0
1369	0.0	5.5	9.5	12.0	33.0	32.0
1370	0.0	5.5	9.5	12.0	33.0	32.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1371	0.0	5.5	9.5	12.0	33.0	32.0
1375	0.0	0.0	5.5	10.0	22.0	22.5
1402	0.0	0.0	8.0	10.5	16.0	19.0
1405	0.0	6.0	9.5	12.0	31.0	30.0
1411	0.0	0.0	0.0	9.5	14.5	18.0
1412	0.0	0.0	0.0	9.5	14.5	18.0
1447	0.0	5.5	9.5	12.0	33.0	32.0
1450	0.0	0.0	8.0	10.5	16.0	19.5
1451	0.0	0.0	5.5	10.0	14.5	18.0
1452	0.0	0.0	0.0	10.5	14.5	18.5
1453	0.0	0.0	0.0	9.5	14.5	18.0
1455	0.0	0.0	11.0	14.5	28.5	30.0
1461	0.0	0.0	11.0	14.5	28.5	30.0
1463	0.0	0.0	11.0	14.5	28.5	30.0
1466	0.0	0.0	0.0	9.5	14.5	18.0
1468	0.0	0.0	11.0	14.5	28.5	30.0
1471	0.0	0.0	8.0	10.5	16.0	19.5
1473	0.0	7.5	10.0	12.5	31.0	31.5
1474	0.0	7.5	10.0	12.5	31.0	31.5
1475	0.0	0.0	8.0	10.5	16.0	19.0
1476	0.0	0.0	8.0	10.5	16.0	19.0
1477	0.0	0.0	8.0	10.5	16.0	19.0
1478	0.0	0.0	8.0	10.5	16.0	19.0
1479	0.0	0.0	8.0	10.5	16.0	19.0
1481	0.0	0.0	0.0	9.5	13.5	22.0
1485	0.0	6.0	9.5	12.0	31.0	30.0
1486	0.0	0.0	0.0	9.5	14.5	18.0
1491	0.0	0.0	11.0	14.5	28.5	30.0
1494	0.0	0.0	5.5	10.0	14.5	18.0
1496	0.0	0.0	8.0	10.5	16.0	19.5
1512	0.0	5.5	9.5	12.0	33.0	32.0
1513	0.0	5.5	9.5	12.0	33.0	32.0
1514	0.0	5.5	9.5	12.0	33.0	32.0
1515	0.0	5.5	9.5	12.0	33.0	32.0
1516	0.0	5.5	9.5	12.0	33.0	32.0
1517	0.0	5.5	9.5	12.0	33.0	32.0
1520	0.0	0.0	0.0	9.0	18.5	20.0
1523	0.0	0.0	5.5	10.0	22.0	22.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1524	0.0	0.0	5.5	10.0	22.0	22.5
1541	0.0	0.0	5.5	9.5	12.0	45.5
1542	0.0	0.0	7.5	10.5	21.0	21.5
1543	0.0	7.0	10.0	13.0	37.0	36.0
1544	0.0	0.0	7.5	10.5	21.0	21.5
1545	6.5	9.0	12.0	17.5	51.5	45.5
1548	6.5	9.0	12.0	17.5	51.5	45.5
1550	0.0	0.0	5.5	9.5	12.0	45.5
1551	0.0	0.0	0.0	0.0	0.0	45.5
1554	0.0	0.0	11.0	14.5	28.5	30.0
1556	0.0	0.0	11.0	14.5	28.5	30.0
1566	0.0	0.0	11.0	14.5	28.5	30.0
1567	0.0	0.0	11.0	14.5	28.5	30.0
1568	0.0	0.0	11.0	14.5	28.5	30.0
1569	0.0	5.5	9.5	12.0	33.0	32.0
1570	0.0	5.5	9.5	12.0	33.0	32.0
1572	0.0	0.0	5.5	9.5	12.0	45.5
1573	0.0	0.0	5.5	9.5	12.0	45.5
1578	0.0	5.5	9.5	12.0	33.0	32.0
1580	0.0	5.5	9.5	12.0	33.0	32.0
1581	6.5	9.0	12.0	17.5	51.5	45.5
1582	0.0	0.0	9.0	11.5	28.0	28.0
1583	0.0	0.0	9.0	11.5	28.0	28.0
1584	0.0	0.0	9.0	11.5	28.0	28.0
1585	0.0	0.0	0.0	9.5	17.0	19.0
1586	0.0	0.0	0.0	9.0	15.5	18.5
1587	0.0	7.0	10.0	13.0	37.0	36.0
1588	6.5	9.0	12.0	17.5	51.5	45.5
1589	0.0	0.0	0.0	9.0	15.5	18.5
1594	0.0	0.0	5.5	9.5	12.0	45.5
1595	0.0	0.0	0.0	0.0	0.0	45.5
1596	6.0	8.5	11.5	17.0	51.5	45.0
1597	6.0	8.5	11.5	17.0	51.5	45.0
1599	0.0	6.5	10.0	12.5	37.0	35.5
1600	0.0	7.0	10.0	13.0	37.0	36.0
1604	0.0	6.0	9.5	12.0	31.0	30.0
1605	0.0	6.0	9.5	12.0	31.0	30.0
1606	0.0	6.0	9.5	12.0	31.0	30.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1607	0.0	6.0	9.5	12.0	31.0	30.0
1608	0.0	6.0	9.5	12.0	31.0	30.0
1615	7.0	9.0	11.5	19.0	51.5	47.0
1616	0.0	4.0	8.5	12.0	36.5	34.0
1630	5.0	9.5	12.0	15.0	36.5	41.0
1633	0.0	8.0	11.0	13.0	28.0	29.5
1634	0.0	8.0	11.0	13.5	35.0	37.0
1635	8.0	10.5	13.0	20.0	51.5	48.5
1638	0.0	8.0	10.5	12.5	26.0	31.0
1648	5.0	9.5	12.0	15.0	36.5	41.0
1650	5.0	9.5	12.0	15.0	36.5	41.0
1665	0.0	8.0	11.0	13.0	28.0	29.5
1670	0.0	7.5	10.5	12.5	30.0	30.5
1671	0.0	7.5	10.5	12.5	30.0	30.5
1672	6.5	9.5	12.0	16.5	45.5	44.5
1673	6.5	9.5	12.0	16.5	45.5	44.5
1674	0.0	0.0	8.5	11.0	17.5	20.5
1675	0.0	0.0	8.5	11.0	17.5	20.5
1678	0.0	8.0	11.0	12.5	27.5	31.0
1689	0.0	6.0	9.5	11.5	20.0	24.5
1690	4.5	9.0	11.5	14.5	36.5	39.5
1777	0.0	9.0	12.5	14.5	35.0	38.5
1783	0.0	8.0	11.0	13.0	28.0	29.5
1785	0.0	8.0	11.0	13.5	35.0	37.0
1791	0.0	8.0	11.0	13.0	28.0	29.5
1792	0.0	8.0	11.0	13.0	28.0	29.5
1793	0.0	8.0	11.0	13.0	28.0	29.5
1794	0.0	0.0	0.0	9.5	13.5	16.5
1795	0.0	8.0	11.0	13.5	35.0	37.0
1796	0.0	8.0	11.0	13.0	28.0	29.5
1802	0.0	8.0	11.0	13.0	28.0	29.5
1803	0.0	0.0	0.0	11.0	14.5	18.0
1804	0.0	0.0	6.5	10.0	13.5	17.5
1805	0.0	0.0	6.5	10.0	13.5	17.5
1806	0.0	0.0	0.0	11.0	14.5	18.0
1812	6.5	9.5	12.0	16.5	45.5	44.5
1820	6.7	8.8	12.6	15.6	25.1	39.8
1822	0.0	7.5	10.5	12.5	30.0	30.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1824	0.0	0.0	0.0	0.0	11.5	14.5
1826	0.0	0.0	0.0	7.5	12.0	15.0
1827	0.0	0.0	0.0	0.0	11.5	14.5
1830	0.0	0.0	0.0	7.5	12.0	15.0
1833	0.0	7.5	10.5	12.5	30.0	30.5
1834	5.0	8.5	11.5	15.0	42.5	41.5
1835	7.0	10.0	12.5	17.5	45.0	46.5
1836	0.0	8.0	10.5	12.5	27.5	31.0
1837	5.0	9.5	12.0	15.0	36.5	41.0
1838	7.0	10.0	13.0	17.5	44.5	46.5
1839	6.7	8.8	12.6	15.6	25.1	39.8
1840	0.0	8.0	11.0	12.5	27.5	31.0
1841	6.5	9.5	12.5	16.0	42.5	44.5
1842	0.0	8.0	11.0	12.5	27.5	31.0
1845	5.0	9.5	12.0	15.0	36.5	41.0
1847	5.0	9.5	12.0	15.0	36.5	41.0
1850	0.0	8.0	10.5	12.5	26.0	31.0
1861	0.0	8.0	11.0	13.0	28.0	29.5
1868	0.0	0.0	8.5	10.5	14.0	18.0
1869	0.0	9.0	12.5	14.5	35.0	38.5
1876	0.0	8.0	11.0	12.5	27.5	31.0
1880	0.0	0.0	0.0	9.5	14.5	18.0
1881	3.5	8.0	11.0	12.5	16.0	46.0
1882	3.5	8.0	11.0	12.5	16.0	46.0
1883	13.5	15.0	18.0	30.5	51.5	51.5
1885	14.5	16.0	20.0	37.5	51.5	51.5
1886	6.5	10.0	12.5	16.5	42.5	46.0
1889	0.0	8.0	11.0	13.5	35.0	37.0
1890	0.0	0.0	8.5	11.0	17.0	20.0
1891	8.0	10.5	13.0	19.5	51.5	48.0
1892	0.0	0.0	0.0	9.5	14.5	18.0
1893	7.0	10.0	12.5	17.5	45.0	46.5
1895	8.0	10.5	13.0	19.5	51.5	48.0
1896	7.0	10.0	12.5	17.5	49.5	46.5
1897	7.0	10.0	12.5	17.5	49.5	46.5
1898	8.0	10.5	13.0	20.0	51.5	48.5
1899	5.0	8.5	11.5	15.0	40.5	40.5
1901	3.5	8.0	11.0	12.5	16.0	46.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1902	3.5	8.0	11.0	12.5	16.0	46.0
1903	3.5	8.0	11.0	12.5	16.0	46.0
1904	9.0	10.5	15.5	18.5	26.5	47.5
1905	9.0	10.5	15.5	18.5	26.5	47.5
1906	9.0	10.5	15.5	18.5	26.5	47.5
1907	9.0	10.5	16.0	18.5	26.5	47.5
1908	9.0	10.5	16.0	18.5	26.5	47.5
1909	2.0	9.5	11.5	13.5	16.0	24.5
1910	2.0	9.5	11.5	13.5	16.0	24.5
1911	2.0	9.5	11.5	13.5	16.0	24.5
1912	2.0	9.5	11.5	13.5	16.0	24.5
1913	2.0	9.5	11.5	13.5	16.0	24.5
1914	9.0	10.5	16.0	18.5	26.5	47.5
1915	9.0	10.5	15.5	18.5	26.5	47.5
1916	9.0	10.5	15.5	18.5	26.5	47.5
1917	13.0	13.0	20.0	23.5	39.0	49.5
1918	13.0	13.0	20.0	23.5	39.0	49.5
1919	11.0	11.5	17.5	20.5	30.5	48.5
1920	8.0	10.0	14.5	17.0	26.0	47.0
1921	8.5	11.0	14.0	19.0	48.5	48.0
1922	9.0	11.0	14.5	20.0	50.5	48.5
1923	9.0	11.0	14.5	20.0	50.5	48.5
1924	9.0	11.0	14.5	20.0	50.5	48.5
1925	9.0	11.0	14.5	20.0	50.5	48.5
1926	9.0	11.0	14.5	20.0	50.5	48.5
1927	9.0	11.0	14.5	20.0	50.5	48.5
1929	8.5	10.5	15.0	18.0	43.0	47.5
1930	8.5	10.5	15.0	18.0	43.0	47.5
1932	8.5	10.5	15.0	18.0	43.0	47.5
1933	8.5	10.5	15.0	18.0	41.0	47.5
1934	8.5	10.5	15.0	18.0	41.0	47.5
1935	9.0	11.0	14.5	20.0	50.5	48.5
1938	8.5	10.5	15.0	18.0	41.0	47.5
1939	8.5	10.5	15.0	18.0	41.0	47.5
1940	8.5	10.5	15.0	18.0	43.0	47.5
1941	8.5	10.5	15.0	18.0	43.0	47.5
1942	13.0	13.0	20.0	23.5	39.0	49.5
1943	13.0	13.0	20.0	23.5	39.0	49.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1944	7.0	9.5	13.0	15.5	24.0	46.5
1945	7.0	9.5	13.0	15.5	24.0	46.5
1946	13.0	13.0	20.0	23.5	39.0	49.5
1947	13.0	13.0	20.0	23.5	39.0	49.5
1948	13.0	13.0	20.0	23.5	39.0	49.5
1949	13.0	13.0	20.0	23.5	39.0	49.5
1950	13.0	13.0	20.0	23.5	39.0	49.5
1951	13.0	13.0	20.0	23.5	39.0	49.5
1952	0.0	7.5	10.5	12.0	15.0	35.5
1953	0.0	7.5	10.5	12.0	15.0	35.5
1954	7.0	9.5	13.5	16.0	22.0	47.5
1955	0.0	7.5	10.5	12.0	15.0	35.5
1956	0.0	7.5	10.5	12.0	15.0	35.5
1957	0.0	7.5	10.5	12.0	15.0	35.5
1958	0.0	7.5	10.5	12.0	15.0	35.5
1959	0.0	7.5	10.5	12.0	15.0	35.5
1960	0.0	7.5	10.5	12.0	15.0	35.5
1961	7.0	9.5	13.5	16.0	22.0	47.5
1962	7.0	9.5	13.5	16.0	22.0	47.5
1963	7.0	9.5	13.5	16.0	22.0	47.5
1964	7.0	9.5	13.5	16.0	22.0	47.5
1965	10.0	11.0	16.5	19.5	28.0	48.5
1966	10.0	11.0	16.5	19.5	28.0	48.5
1967	10.0	11.0	16.5	19.5	28.0	48.5
1968	10.0	11.0	16.5	19.5	28.0	48.5
1969	10.0	11.0	16.5	19.5	28.0	48.5
1970	9.5	10.5	16.5	19.0	26.5	47.5
1971	5.0	8.5	11.5	13.5	18.0	39.0
1972	8.5	10.0	15.5	18.0	23.5	47.5
1973	5.0	8.5	11.5	13.5	18.0	39.0
1974	8.5	10.0	15.5	18.0	23.5	47.5
1975	0.0	8.5	10.5	12.5	18.0	32.0
1976	7.5	10.5	13.5	16.5	25.5	47.0
1977	7.5	10.5	13.5	16.5	25.5	47.0
1978	7.5	10.5	13.5	16.5	25.5	47.0
1979	0.0	8.5	10.5	12.5	18.0	32.0
1989	8.5	11.0	13.5	20.5	51.5	49.0
1990	7.0	10.0	12.5	17.0	47.5	46.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
1991	0.0	0.0	11.0	15.0	18.0	21.5
1992	7.0	10.0	12.5	17.0	47.5	46.0
1993	0.0	7.5	11.0	15.0	18.0	22.5
1994	0.0	7.5	11.0	15.0	18.0	22.5
1995	0.0	0.0	8.5	11.0	17.0	20.0
1996	0.0	7.0	10.0	12.5	15.0	20.5
1997	0.0	7.0	10.0	12.5	15.0	20.5
1998	0.0	0.0	8.5	11.0	13.0	25.0
2000	0.0	0.0	8.5	11.0	13.0	25.0
2001	0.0	7.0	10.0	12.5	15.0	20.5
2002	0.0	7.0	10.0	12.5	15.0	20.5
2003	6.0	8.0	12.5	15.0	18.5	46.0
2004	8.0	9.5	15.5	17.5	22.5	47.0
2005	6.0	8.0	12.5	15.0	18.5	46.0
2006	6.0	8.0	12.5	15.0	18.5	46.0
2007	3.5	7.5	10.5	12.5	15.5	48.5
2008	3.5	7.5	10.5	12.5	15.5	48.5
2009	3.5	7.5	10.5	12.5	15.5	48.5
2010	3.5	7.5	10.5	12.5	15.5	48.5
2011	3.5	7.5	10.5	12.5	15.5	48.5
2012	7.0	9.0	14.5	16.5	20.5	46.5
2013	6.0	8.0	12.5	15.0	18.5	46.0
2014	7.0	9.0	14.5	16.5	20.5	46.5
2015	7.0	9.0	14.5	16.5	20.5	46.5
2016	7.0	9.0	14.5	16.5	20.5	46.5
2021	0.0	0.0	0.0	0.0	0.0	8.0
2022	0.0	0.0	0.0	0.0	0.0	8.0
2023	0.0	0.0	0.0	0.0	0.0	8.0
2024	0.0	0.0	0.0	0.0	0.0	8.0
2025	4.5	6.5	11.5	13.5	16.5	45.5
2026	2.5	3.5	9.0	11.0	13.5	36.5
2027	2.5	3.5	9.0	11.0	13.5	36.5
2029	2.5	3.5	9.0	11.0	13.5	36.5
2031	2.0	3.0	8.0	10.5	13.0	31.0
2032	2.0	3.0	8.0	10.5	13.0	31.0
2033	2.0	3.0	8.0	10.5	13.0	31.0
2035	6.5	8.0	13.0	15.5	19.0	46.0
2036	5.5	7.5	12.5	15.0	18.0	45.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
2039	0.0	0.0	8.0	11.5	14.0	17.5
2040	0.0	0.0	8.0	11.5	14.0	17.5
2041	0.0	0.0	8.0	11.5	14.0	17.5
2042	3.5	4.0	9.5	11.5	14.5	34.5
2043	3.5	4.0	9.5	11.5	14.5	34.5
2044	0.0	0.0	8.0	11.5	14.0	17.5
2045	0.0	0.0	8.0	11.5	14.0	17.5
2046	0.0	0.0	8.0	11.5	14.0	17.5
2047	0.0	0.0	8.0	11.5	14.0	17.5
2048	7.0	10.0	12.5	17.5	49.5	46.5
2049	7.0	10.0	12.5	17.5	49.5	46.5
2050	0.0	0.0	9.0	13.0	16.0	19.5
2051	0.0	0.0	9.0	13.0	16.0	19.5
2052	7.0	10.0	12.5	17.5	49.5	46.5
2150	7.0	10.0	12.5	17.5	45.0	46.5
2182	0.0	6.0	9.5	11.5	20.5	24.5
2183	0.0	0.0	8.0	11.5	14.0	17.5
2184	0.0	0.0	8.0	11.5	14.0	17.5
2185	3.5	8.0	11.0	12.5	16.0	46.0
2313	4.5	9.0	11.5	14.5	37.5	40.0
2358	0.0	0.0	7.5	10.0	12.5	47.0
2361	13.0	13.0	20.0	23.5	39.0	49.5
5000	6.7	8.8	12.6	15.6	25.1	39.8
5001	11.5	10.5	11.0	12.5	17.5	33.0
5002	12.0	10.5	11.0	12.5	17.0	31.5
5004	0.0	6.5	9.5	12.0	14.0	18.0
5007	6.7	8.8	12.6	15.6	25.1	39.8
5009	0.0	6.5	9.5	12.0	14.0	18.0
5011	0.0	0.0	0.0	9.0	11.0	10.5
5012	0.0	6.5	9.5	12.0	14.0	18.0
5013	0.0	6.5	9.5	12.0	14.0	18.0
5014	0.0	0.0	0.0	9.0	11.0	10.5
5015	0.0	0.0	0.0	9.0	11.0	10.5
5016	0.0	0.0	0.0	9.0	11.0	10.5
5017	0.0	0.0	0.0	9.0	11.0	10.5
5018	0.0	0.0	0.0	9.0	11.0	10.5
5019	0.0	0.0	8.5	10.5	12.5	46.0
5020	0.0	0.0	8.5	10.5	12.5	46.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
5021	0.0	0.0	8.5	10.5	12.5	46.0
5022	0.0	0.0	8.5	10.5	12.5	46.0
5023	0.0	0.0	8.5	10.5	12.5	46.0
5025	0.0	0.0	0.0	9.0	11.0	10.5
5026	0.0	0.0	0.0	9.0	11.0	10.5
5027	0.0	0.0	8.5	10.5	12.5	46.0
5028	0.0	0.0	8.5	10.5	12.5	46.0
5029	0.0	0.0	8.5	10.5	12.5	46.0
5030	0.0	0.0	8.5	10.5	12.5	46.0
5032	0.0	0.0	0.0	9.0	11.5	47.0
5033	0.0	0.0	0.0	9.0	11.5	47.0
5034	0.0	0.0	0.0	9.0	11.5	47.0
5035	0.0	0.0	0.0	9.0	11.5	47.0
5036	0.0	0.0	0.0	9.0	11.5	47.0
5038	0.0	0.0	0.0	9.0	11.5	47.0
5054	6.7	8.8	12.6	15.6	25.1	39.8
5055	0.0	6.5	9.5	12.0	14.0	18.0
5059	2.5	5.5	9.5	13.0	40.0	36.5
5061	0.0	7.5	10.5	12.5	30.0	30.5
5128	49.0	49.0	50.0	50.5	51.5	51.5
5129	13.0	11.0	12.5	14.0	19.5	42.0
5167	0.0	0.0	0.0	0.0	0.0	10.5
5168	0.0	0.0	0.0	0.0	0.0	10.5
5169	0.0	0.0	0.0	0.0	0.0	10.5
5170	0.0	0.0	0.0	0.0	3.5	11.5
5172	0.0	0.0	0.0	0.0	0.0	10.5
5173	0.0	0.0	0.0	0.0	0.0	10.5
5174	0.0	0.0	0.0	0.0	3.5	11.5
5176	0.0	0.0	0.0	0.0	3.5	11.5
5177	0.0	0.0	0.0	0.0	7.0	13.5
5178	0.0	0.0	0.0	0.0	7.0	13.5
5179	9.0	10.5	12.5	31.5	51.5	51.5
5180	0.0	0.0	0.0	0.0	7.0	13.5
5181	0.0	0.0	0.0	0.0	7.0	13.5
5182	0.0	0.0	0.0	0.0	7.0	13.5
5183	9.0	10.5	12.5	31.5	51.5	51.5
5184	9.0	10.5	12.5	31.5	51.5	51.5
5185	15.0	17.5	31.5	50.5	51.5	51.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
5186	15.0	17.5	31.5	50.5	51.5	51.5
5187	15.0	18.0	32.0	50.5	51.5	51.5
5188	15.0	18.0	32.0	50.5	51.5	51.5
5189	15.0	18.0	32.0	50.5	51.5	51.5
5190	15.0	18.0	32.0	50.5	51.5	51.5
5206	0.0	0.0	0.0	0.0	14.5	16.5
5207	0.0	0.0	0.0	0.0	14.5	16.5
5208	2.5	3.0	4.0	4.5	12.0	15.5
5210	0.0	0.0	0.0	0.0	14.5	16.5
5212	6.7	8.8	12.6	15.6	25.1	39.8
5279	0.0	0.0	11.0	14.5	28.5	30.0
7002	8.0	10.5	13.0	20.0	51.5	48.5
7003	9.5	10.0	11.0	12.5	16.0	30.0
7004	7.0	9.5	13.5	16.0	22.0	47.5
7100	6.7	8.8	12.6	15.6	25.1	39.8
7101	6.7	8.8	12.6	15.6	25.1	39.8
7102	6.7	8.8	12.6	15.6	25.1	39.8
7103	6.7	8.8	12.6	15.6	25.1	39.8
7104	6.7	8.8	12.6	15.6	25.1	39.8
7105	6.7	8.8	12.6	15.6	25.1	39.8
7106	6.7	8.8	12.6	15.6	25.1	39.8
7107	6.7	8.8	12.6	15.6	25.1	39.8
7108	6.7	8.8	12.6	15.6	25.1	39.8
7109	6.7	8.8	12.6	15.6	25.1	39.8
8359	12.0	10.5	11.5	13.0	19.5	36.0
8360	2.0	3.0	8.0	10.5	13.0	31.0
8385	12.5	11.0	12.5	14.0	18.0	34.5
8386	12.0	10.5	11.5	13.0	19.5	36.0
8465	0.0	4.0	8.5	12.0	36.5	34.0
8466	0.0	4.0	8.5	12.0	36.5	34.0
8467	0.0	4.0	8.5	12.0	36.5	34.0
8468	0.0	4.0	8.5	12.0	36.5	34.0
8473	0.0	4.0	8.5	12.0	36.5	34.0
8475	0.0	4.0	8.5	12.0	36.5	34.0
8476	0.0	4.0	8.5	12.0	36.5	34.0
8517	8.5	10.5	15.0	18.0	43.0	47.5
8518	8.5	10.5	15.0	18.0	43.0	47.5
8527	5.0	8.5	11.5	15.0	42.5	41.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
8528	5.0	8.5	11.5	15.0	42.5	41.5
8687	0.0	0.0	11.0	14.5	28.5	30.0
8688	0.0	0.0	11.0	14.5	28.5	30.0
8689	0.0	0.0	11.0	14.5	28.5	30.0
8690	0.0	0.0	11.0	14.5	28.5	30.0
8691	0.0	0.0	11.0	14.5	28.5	30.0
8692	0.0	0.0	11.0	14.5	28.5	30.0
8693	0.0	0.0	11.0	14.5	28.5	30.0
8694	0.0	0.0	11.0	14.5	28.5	30.0
8695	0.0	0.0	5.5	10.0	22.0	22.5
8696	0.0	0.0	5.5	10.0	22.0	22.5
8697	0.0	0.0	11.0	14.5	28.5	30.0
8698	0.0	0.0	11.0	14.5	28.5	30.0
8699	0.0	0.0	11.0	14.5	28.5	30.0
8702	0.0	0.0	11.0	14.5	28.5	30.0
8703	0.0	0.0	11.0	14.5	28.5	30.0
8704	0.0	0.0	11.0	14.5	28.5	30.0
8705	0.0	0.0	11.0	14.5	28.5	30.0
8706	0.0	0.0	11.0	14.5	28.5	30.0
8707	0.0	0.0	11.0	14.5	28.5	30.0
8708	0.0	0.0	11.0	14.5	28.5	30.0
8709	0.0	0.0	11.0	14.5	28.5	30.0
8710	0.0	0.0	11.0	14.5	28.5	30.0
8711	0.0	0.0	11.0	14.5	28.5	30.0
8712	0.0	0.0	11.0	14.5	28.5	30.0
8714	0.0	0.0	11.0	14.5	28.5	30.0
8715	0.0	0.0	11.0	14.5	28.5	30.0
8716	0.0	0.0	11.0	14.5	28.5	30.0
8717	0.0	0.0	11.0	14.5	28.5	30.0
8727	0.0	5.5	9.5	12.0	33.0	32.0
8728	0.0	5.5	9.5	12.0	33.0	32.0
8729	0.0	5.5	9.5	12.0	33.0	32.0
8772	0.0	0.0	0.0	9.0	18.5	20.0
8773	0.0	0.0	0.0	9.0	18.5	20.0
8775	0.0	0.0	5.5	10.0	22.0	22.5
8779	3.0	5.5	10.0	13.5	41.0	37.5
8780	3.0	5.5	10.0	13.5	41.0	37.5
8781	3.0	5.5	10.0	13.5	41.0	37.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
8782	0.0	0.0	0.0	8.0	21.5	51.5
8783	3.0	5.5	10.0	13.5	41.0	37.5
8784	3.0	5.5	10.0	13.5	41.0	37.5
8786	2.5	5.5	9.5	13.0	40.0	36.5
8788	0.0	0.0	0.0	8.5	24.5	23.0
8789	4.0	7.0	10.5	14.0	45.0	40.0
8790	0.0	0.0	0.0	0.0	0.0	10.0
8791	0.0	0.0	0.0	8.5	24.5	23.0
8792	0.0	0.0	0.0	8.5	24.5	23.0
8793	0.0	0.0	0.0	8.5	24.5	23.0
8794	0.0	0.0	0.0	8.5	24.5	23.0
8795	0.0	0.0	0.0	8.5	24.5	23.0
8796	0.0	0.0	0.0	8.5	24.5	23.0
8797	6.5	8.5	11.5	17.5	51.5	45.5
8798	7.0	9.0	11.5	19.0	51.5	47.0
8799	4.5	7.5	10.5	14.5	46.0	40.5
8801	4.5	7.5	10.5	14.5	47.0	41.0
8802	4.5	7.5	10.5	14.5	47.0	41.0
8803	4.5	7.5	10.5	14.5	47.0	41.0
8806	4.5	7.5	10.5	14.5	47.0	41.0
8807	4.5	7.5	10.5	14.5	47.0	41.0
8808	4.5	7.5	10.5	14.5	47.0	41.0
8809	4.5	7.5	10.5	14.5	47.0	41.0
8810	4.5	7.5	10.5	14.5	47.0	41.0
8812	4.5	7.5	10.5	14.5	47.0	41.0
8813	4.5	7.5	10.5	14.5	47.0	41.0
8814	4.5	7.5	10.5	14.5	47.0	41.0
8816	4.5	7.5	10.5	14.5	47.0	41.0
8817	4.5	7.5	10.5	14.5	47.0	41.0
8818	4.5	7.5	10.5	14.5	47.0	41.0
8819	4.5	7.5	10.5	14.5	47.0	41.0
8820	4.5	7.5	10.5	14.5	47.0	41.0
8821	4.5	7.5	10.5	14.5	47.0	41.0
8822	4.5	7.5	10.5	14.5	47.0	41.0
8823	4.5	7.5	10.5	14.5	47.0	41.0
8825	4.5	7.5	10.5	14.5	47.0	41.0
8826	4.5	7.5	10.5	14.5	47.0	41.0
8827	4.5	7.5	10.5	14.5	47.0	41.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
8828	4.5	7.5	10.5	14.5	47.0	41.0
8829	4.5	7.5	10.5	14.5	47.0	41.0
8830	4.5	7.5	10.5	14.5	47.0	41.0
8831	4.5	7.5	10.5	14.5	47.0	41.0
8834	4.5	7.5	10.5	14.5	47.0	41.0
8835	4.5	7.5	10.5	14.5	47.0	41.0
8836	4.5	7.5	10.5	14.5	47.0	41.0
8838	6.7	8.8	12.6	15.6	25.1	39.8
8856	0.0	8.5	10.5	12.5	18.0	32.0
8857	0.0	8.5	10.5	12.5	18.0	32.0
8919	7.0	10.0	12.5	16.5	41.0	46.0
8920	11.0	11.5	17.5	20.5	30.5	48.5
8922	4.5	10.5	12.5	14.5	33.0	39.5
8923	4.5	10.5	12.5	14.5	33.0	39.5
9047	8.5	11.0	13.5	20.5	51.5	49.0
9049	8.5	11.0	13.5	19.0	48.5	51.5
9050	4.5	9.0	11.5	14.5	37.5	40.0
9051	0.0	7.5	10.5	12.0	28.5	30.0
9054	0.0	6.5	9.5	12.0	14.0	18.0
9055	0.0	6.5	9.5	12.0	14.0	18.0
9056	0.0	6.5	9.5	12.0	14.0	18.0
9112	2.5	5.5	9.5	13.0	40.0	36.5
9115	0.0	0.0	6.0	10.5	30.5	28.5
9116	0.0	0.0	0.0	0.0	0.0	10.0
9119	6.7	8.8	12.6	15.6	25.1	39.8
9120	0.0	0.0	0.0	0.0	0.0	10.0
9152	6.7	8.8	12.6	15.6	25.1	39.8
9153	6.5	9.0	12.0	17.5	51.5	45.5
9157	0.0	0.0	0.0	7.5	17.5	18.5
9162	0.0	0.0	8.0	11.5	14.0	17.5
9163	0.0	0.0	8.0	11.5	14.0	17.5
9164	0.0	0.0	8.0	11.5	14.0	17.5
9165	0.0	0.0	8.0	11.5	14.0	17.5
9169	5.5	9.5	12.0	15.0	36.0	41.5
9170	6.5	10.0	12.5	16.5	42.5	46.0
9179	6.5	8.5	11.5	17.5	51.5	45.5
9191	8.0	10.5	13.5	18.5	45.5	47.5
9220	2.5	3.5	9.0	11.0	13.5	36.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
9226	2.5	3.5	9.0	11.0	13.5	36.5
9227	2.5	3.5	9.0	11.0	13.5	36.5
9228	2.5	3.5	9.0	11.0	13.5	36.5
9229	2.5	3.5	9.0	11.0	13.5	36.5
9230	2.5	3.5	9.0	11.0	13.5	36.5
9231	0.0	0.0	8.5	11.0	13.0	25.0
9232	0.0	0.0	8.5	11.0	13.0	25.0
9233	0.0	0.0	8.5	10.5	14.0	18.0
9234	8.5	11.0	13.5	19.0	48.5	51.5
9235	0.0	6.0	9.5	12.0	31.0	30.0
9236	0.0	6.0	9.5	12.0	31.0	30.0
9237	0.0	6.0	9.5	12.0	31.0	30.0
9248	0.0	0.0	0.0	9.5	17.0	19.0
9249	0.0	6.0	9.5	12.0	31.0	30.0
9251	0.0	6.0	9.5	12.0	31.0	30.0
9252	0.0	6.0	9.5	12.0	31.0	30.0
9253	0.0	6.0	9.5	12.0	31.0	30.0
9254	0.0	6.0	9.5	12.0	31.0	30.0
9255	0.0	6.0	9.5	12.0	31.0	30.0
9256	0.0	6.0	9.5	12.0	31.0	30.0
9257	0.0	0.0	0.0	9.5	17.0	19.0
9258	0.0	0.0	9.0	11.5	28.0	28.0
9332	7.5	10.5	13.0	17.5	43.0	47.0
9337	7.5	10.5	13.0	17.5	43.0	47.0
9347	7.0	10.0	12.5	16.5	41.0	46.0
9348	7.5	10.5	13.0	17.5	43.0	47.0
9349	7.0	10.0	12.5	16.5	41.0	46.0
9352	7.5	10.5	13.0	17.5	43.0	47.0
9359	7.0	10.0	12.5	16.5	41.0	46.0
9363	7.0	10.0	12.5	16.5	41.0	46.0
9381	4.5	9.0	11.5	14.5	33.5	39.5
9382	4.5	9.0	11.5	14.5	33.5	39.5
9383	4.5	9.0	11.5	14.5	33.5	39.5
9384	4.5	9.0	11.5	14.5	33.5	39.5
9385	4.5	9.0	11.5	14.5	33.5	39.5
9386	4.5	9.0	11.5	14.5	33.5	39.5
9387	4.5	9.0	11.5	14.5	33.5	39.5
9388	4.5	9.0	11.5	14.5	33.5	39.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
9393	6.7	8.8	12.6	15.6	25.1	39.8
9394	6.7	8.8	12.6	15.6	25.1	39.8
9395	6.7	8.8	12.6	15.6	25.1	39.8
9396	6.7	8.8	12.6	15.6	25.1	39.8
9397	4.5	9.0	11.5	14.5	33.5	39.5
9400	6.7	8.8	12.6	15.6	25.1	39.8
9401	4.5	9.0	11.5	14.5	33.5	39.5
9403	7.0	10.0	12.5	16.5	41.0	46.0
9404	7.0	10.0	12.5	16.5	41.0	46.0
9406	6.7	8.8	12.6	15.6	25.1	39.8
9409	6.7	8.8	12.6	15.6	25.1	39.8
9410	6.7	8.8	12.6	15.6	25.1	39.8
9411	7.0	10.0	12.5	16.5	41.0	46.0
9412	7.0	10.0	12.5	16.5	41.0	46.0
9416	14.5	16.0	20.0	37.5	51.5	51.5
9417	0.0	8.0	10.5	12.5	28.5	31.5
9419	0.0	8.0	10.5	12.5	28.5	31.5
9420	0.0	8.0	10.5	12.5	28.5	31.5
9421	8.5	11.0	13.5	20.0	51.0	48.5
9422	0.0	8.0	10.5	12.5	28.5	31.5
9423	13.5	15.0	18.0	30.5	51.5	51.5
9424	13.5	15.0	18.0	30.5	51.5	51.5
9425	8.5	11.0	13.5	20.0	51.0	48.5
9426	8.5	11.0	13.5	20.0	51.0	48.5
9427	8.5	11.0	13.5	20.0	51.0	48.5
9428	8.5	11.0	13.5	20.0	51.0	48.5
9429	8.5	11.0	13.5	20.0	51.0	48.5
9430	8.5	11.0	13.5	20.0	51.0	48.5
9431	8.5	11.0	13.5	20.0	51.0	48.5
9432	13.5	15.0	18.0	30.5	51.5	51.5
9433	13.5	15.0	18.0	30.5	51.5	51.5
9434	13.5	15.0	18.0	30.5	51.5	51.5
9435	8.5	11.0	13.5	20.0	51.0	48.5
9436	13.5	15.0	18.0	30.5	51.5	51.5
9437	8.5	11.0	13.5	20.0	51.0	48.5
9438	8.5	11.0	13.5	20.0	51.0	48.5
9439	13.5	15.0	18.0	30.5	51.5	51.5
9440	13.5	15.0	18.0	30.5	51.5	51.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
9462	14.5	16.0	20.0	37.5	51.5	51.5
9502	4.5	9.0	11.5	14.5	37.5	40.0
9503	4.5	9.0	11.5	14.5	37.5	40.0
9504	4.5	9.0	11.5	14.5	37.5	40.0
9505	4.5	9.0	11.5	14.5	37.5	40.0
9506	4.5	9.0	11.5	14.5	37.5	40.0
9507	4.5	9.0	11.5	14.5	37.5	40.0
9508	4.5	9.0	11.5	14.5	37.5	40.0
9509	4.5	9.0	11.5	14.5	37.5	40.0
9510	4.5	9.0	11.5	14.5	37.5	40.0
9511	4.5	9.0	11.5	14.5	37.5	40.0
9591	4.5	9.0	11.5	14.5	37.5	40.0
9592	4.5	9.0	11.5	14.5	37.5	40.0
9593	4.5	9.0	11.5	14.5	37.5	40.0
9594	4.5	9.0	11.5	14.5	37.5	40.0
9595	4.5	9.0	11.5	14.5	37.5	40.0
9596	0.0	7.5	10.5	12.0	28.5	30.0
9597	0.0	7.5	10.5	12.0	28.5	30.0
9598	0.0	7.5	10.5	12.0	28.5	30.0
9599	0.0	7.5	10.5	12.0	28.5	30.0
9600	0.0	7.5	10.5	12.0	28.5	30.0
9601	4.5	9.0	11.5	14.5	37.5	40.0
9602	0.0	7.5	10.5	12.0	28.5	30.0
9603	0.0	7.5	10.5	12.0	28.5	30.0
9604	0.0	7.5	10.5	12.0	28.5	30.0
9605	0.0	7.5	10.5	12.0	28.5	30.0
9606	0.0	7.5	10.5	12.0	28.5	30.0
9607	0.0	7.5	10.5	12.0	28.5	30.0
9608	8.5	11.0	13.5	19.0	48.5	51.5
9609	8.5	11.0	13.5	19.0	48.5	51.5
9610	8.5	11.0	13.5	19.0	48.5	51.5
9611	4.5	9.0	11.5	14.5	37.5	40.0
9612	4.5	9.0	11.5	14.5	37.5	40.0
9613	4.5	9.0	11.5	14.5	37.5	40.0
9614	4.5	9.0	11.5	14.5	37.5	40.0
9615	4.5	9.0	11.5	14.5	37.5	40.0
9616	4.5	9.0	11.5	14.5	37.5	40.0
9617	4.5	9.0	11.5	14.5	37.5	40.0

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
9618	4.5	9.0	11.5	14.5	37.5	40.0
9619	4.5	9.0	11.5	14.5	37.5	40.0
9620	4.5	9.0	11.5	14.5	37.5	40.0
9621	4.5	9.0	11.5	14.5	37.5	40.0
9622	4.5	9.0	11.5	14.5	37.5	40.0
9623	4.5	9.0	11.5	14.5	37.5	40.0
9624	4.5	9.0	11.5	14.5	37.5	40.0
9625	4.5	9.0	11.5	14.5	37.5	40.0
9626	4.5	9.0	11.5	14.5	37.5	40.0
9627	4.5	9.0	11.5	14.5	37.5	40.0
9628	4.5	9.0	11.5	14.5	37.5	40.0
9629	4.5	9.0	11.5	14.5	37.5	40.0
9630	4.5	9.0	11.5	14.5	37.5	40.0
9631	4.5	9.0	11.5	14.5	37.5	40.0
9632	4.5	9.0	11.5	14.5	37.5	40.0
9633	4.5	9.0	11.5	14.5	37.5	40.0
9634	7.0	10.0	12.5	17.5	45.0	46.5
9635	7.0	10.0	12.5	17.5	45.0	46.5
9636	7.0	10.0	12.5	17.5	45.0	46.5
9637	7.0	10.0	12.5	17.5	45.0	46.5
9638	7.0	10.0	12.5	17.5	45.0	46.5
9639	7.0	10.0	12.5	17.5	45.0	46.5
9640	7.0	10.0	12.5	17.5	45.0	46.5
9641	7.0	10.0	12.5	17.5	45.0	46.5
9642	7.0	10.0	12.5	17.5	45.0	46.5
9643	7.0	10.0	12.5	17.5	45.0	46.5
9644	7.0	10.0	12.5	17.5	45.0	46.5
9645	7.0	10.0	12.5	17.5	45.0	46.5
9646	7.0	10.0	12.5	17.5	45.0	46.5
9647	7.0	10.0	12.5	17.5	45.0	46.5
9648	7.0	10.0	12.5	17.5	45.0	46.5
9649	7.0	10.0	12.5	17.5	45.0	46.5
9650	7.0	10.0	12.5	17.5	45.0	46.5
9651	7.0	10.0	12.5	17.5	45.0	46.5
9652	7.0	10.0	12.5	17.5	45.0	46.5
9653	7.0	10.0	12.5	17.5	45.0	46.5
9654	7.0	10.0	12.5	17.5	45.0	46.5
9655	7.0	10.0	12.5	17.5	45.0	46.5

Parcel	Days from Activation of Staging for Water to Leave Field					
	20yr	25yr	50yr	100yr	500yr	PMF
9656	7.0	10.0	12.5	17.5	45.0	46.5
9657	7.0	10.0	12.5	17.5	45.0	46.5
9658	7.0	10.0	12.5	17.5	45.0	46.5
9659	7.0	10.0	12.5	17.5	45.0	46.5
9660	7.0	10.0	12.5	17.5	45.0	46.5
9661	7.0	10.0	12.5	17.5	45.0	46.5
9662	7.0	10.0	12.5	17.5	45.0	46.5
9663	0.0	7.0	10.0	11.5	17.5	25.0
9664	0.0	7.0	10.0	11.5	17.5	25.0
9665	0.0	7.0	10.0	11.5	17.5	25.0
9666	0.0	7.0	10.0	11.5	17.5	25.0
9667	0.0	7.0	10.0	11.5	17.5	25.0
9668	0.0	7.0	10.0	11.5	17.5	25.0
9669	0.0	7.0	10.0	11.5	17.5	25.0
9670	0.0	7.0	10.0	11.5	17.5	25.0
9671	7.0	10.0	12.5	17.5	45.0	46.5
9672	7.0	10.0	12.5	17.5	45.0	46.5
9764	4.5	9.0	11.5	14.5	37.5	40.0
9993	9.0	11.0	14.5	20.0	50.5	48.5
9994	9.0	11.0	14.5	20.0	50.5	48.5
9995	11.0	12.5	15.5	24.5	51.5	51.5
9996	11.0	12.5	15.5	24.5	51.5	51.5
9997	11.0	12.5	15.5	24.5	51.5	51.5
9998	11.0	12.5	15.5	24.5	51.5	51.5
1097N	6.7	8.8	12.6	15.6	25.1	39.8
1097Y	6.7	8.8	12.6	15.6	25.1	39.8
1099N	2.0	9.5	11.5	13.5	16.0	24.5
1099X	12.0	10.5	11.0	12.5	17.0	31.5
1234H	2.0	9.5	11.5	13.5	16.0	24.5
1234I	8.0	10.0	14.5	17.0	26.0	47.0
1234J	9.0	11.0	14.5	20.0	50.5	48.5
1462A	0.0	0.0	11.0	14.5	28.5	30.0
1462B	0.0	0.0	11.0	14.5	28.5	30.0
1462C	0.0	0.0	11.0	14.5	28.5	30.0
1994N	0.0	7.5	11.0	15.0	18.0	22.5
1994X	0.0	7.5	11.0	15.0	18.0	22.5
253N	0.0	8.0	10.5	12.5	26.0	31.0

Table A3.

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
11	0.03	0.03	0.03	0.03	0.03	0.03
12	0.06	0.06	0.06	0.06	0.06	0.06
13	0.08	0.08	0.08	0.08	0.08	0.08
14	0.11	0.11	0.11	0.11	0.11	0.11
15	10.01	10.01	10.01	10.01	10.01	10.01
16	10.02	10.02	10.02	10.02	10.02	10.02
17	10.02	10.02	10.02	10.02	10.02	10.02
18	9.52	9.52	9.52	9.52	9.52	9.52
19	9.51	9.51	9.51	9.51	9.51	9.51
20	10.01	10.01	10.01	10.01	10.01	10.01
21	10.01	10.01	10.01	10.01	10.01	10.01
22	10.01	10.01	10.01	10.01	10.01	10.01
23	6.07	6.07	6.07	6.07	6.07	6.07
24	10.62	10.62	10.62	10.62	10.62	10.62
25	8.51	8.58	8.58	8.58	8.58	8.58
26	77.68	77.68	77.68	77.68	77.68	77.68
27	0.83	0.83	0.83	0.83	0.83	0.83
28	1.62	1.62	1.62	1.62	1.62	1.62
29	1.62	1.62	1.62	1.62	1.62	1.62
30	0.02	1.56	1.56	1.56	1.56	1.56
31	23.22	75.74	75.90	75.90	75.90	75.90
175	20.43	21.53	22.21	22.99	23.02	23.02
176	27.13	28.65	29.67	30.84	30.88	30.88
213	68.47	68.47	68.47	68.47	68.47	68.47
217	79.64	79.64	79.64	79.64	79.64	79.64
230	0.05	0.21	0.64	0.74	0.78	0.82
232	1.91	24.80	78.49	78.80	78.80	78.80
247	0.00	2.37	3.19	3.53	3.78	3.88
249	3.75	27.55	29.74	30.81	33.58	34.43
250	22.08	31.18	31.18	31.19	31.19	31.19
251	8.32	165.32	167.45	167.48	167.48	167.48
253	0.00	23.50	25.60	27.44	28.48	28.48
254	0.00	10.39	11.04	11.05	11.05	11.05
255	0.00	3.13	3.97	4.58	5.08	5.38
256	0.00	13.08	14.46	15.65	16.42	16.42
257	0.00	0.08	0.21	0.44	0.49	0.49
809	45.11	121.66	121.66	121.66	121.66	121.66

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
810	3.14	5.57	5.57	5.57	5.57	5.57
811	0.82	1.04	1.04	1.04	1.04	1.04
814	43.63	54.76	54.86	54.86	54.86	54.86
815	9.48	12.75	12.75	12.75	12.75	12.75
816	37.65	37.65	37.65	37.65	37.65	37.65
817	49.70	49.70	49.70	49.70	49.70	49.70
818	137.93	138.49	138.49	138.49	138.49	138.49
819	2.96	3.74	3.81	3.81	3.81	3.81
820	2.42	2.42	2.42	2.42	2.42	2.42
821	159.88	161.64	162.89	162.89	162.89	162.89
822	56.05	56.99	56.99	56.99	56.99	56.99
823	74.21	80.02	81.63	81.63	81.63	81.63
824	79.22	79.68	79.68	79.68	79.68	79.68
825	64.45	64.65	64.65	64.65	64.65	64.65
826	4.03	4.14	4.14	4.14	4.14	4.14
827	111.18	141.09	141.09	141.09	141.09	141.09
828	73.54	80.13	80.83	80.83	80.83	80.83
829	122.93	160.71	162.26	162.50	162.50	162.50
830	79.85	143.48	143.83	143.83	143.83	143.83
831	4.94	6.97	7.07	7.07	7.07	7.07
832	0.14	55.75	72.36	72.36	72.36	72.36
833	0.00	12.11	37.25	38.11	38.11	38.11
834	0.00	28.34	38.08	38.08	38.08	38.08
835	0.00	0.94	37.80	37.80	37.80	37.80
836	0.00	5.61	39.41	39.41	39.41	39.41
837	0.00	0.00	1.10	1.66	1.66	1.66
838	0.00	0.00	60.90	71.91	71.98	71.99
839	0.00	0.00	0.00	2.02	2.07	2.28
840	136.05	158.91	159.53	159.53	159.53	159.53
841	157.77	159.55	160.12	160.12	160.12	160.12
842	135.67	152.76	155.23	155.23	155.23	155.23
843	137.55	143.88	143.88	143.88	143.88	143.88
844	65.23	67.89	67.89	67.89	67.89	67.89
845	64.29	79.78	80.00	80.00	80.00	80.00
846	76.09	125.70	125.70	125.70	125.70	125.70
847	160.90	161.46	161.46	161.46	161.46	161.46
848	49.50	159.38	160.21	160.21	160.21	160.21
849	96.36	126.40	159.78	160.18	160.18	160.18

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
850	0.00	0.03	34.20	78.39	78.76	78.99
851	0.00	0.00	10.90	78.93	78.93	78.93
852	0.00	0.00	0.20	61.42	77.75	78.45
853	0.00	0.00	1.64	76.19	78.88	78.88
854	0.93	3.18	19.88	55.24	86.78	94.04
855	0.00	0.00	0.65	12.54	51.42	51.80
856	87.90	99.54	121.15	121.16	121.16	121.16
857	64.05	65.20	66.02	66.30	66.30	66.30
858	9.93	10.26	11.76	11.79	11.79	11.79
859	103.92	112.22	114.13	115.29	115.59	115.59
860	73.13	75.54	78.55	80.47	80.47	80.47
861	50.07	57.48	73.16	80.49	80.94	80.94
866	33.59	35.34	38.42	44.21	46.23	46.33
867	26.02	27.18	29.56	48.84	49.22	49.61
872	1.44	1.44	1.44	1.44	1.44	1.44
873	1.34	1.55	1.55	1.55	1.55	1.55
874	1.63	1.68	1.68	1.68	1.68	1.68
875	1.65	1.76	1.76	1.76	1.76	1.76
876	1.57	1.67	1.77	1.77	1.77	1.77
877	2.47	2.75	2.75	2.75	2.75	2.75
1075	28.89	28.89	28.89	28.89	28.89	28.89
1076	29.39	29.39	29.39	29.39	29.39	29.39
1077	11.05	11.05	11.05	11.05	11.05	11.05
1078	40.39	40.39	40.39	40.39	40.39	40.39
1079	60.10	60.43	60.43	60.43	60.43	60.43
1080	28.11	28.37	28.37	28.37	28.37	28.37
1081	8.23	8.23	8.23	8.23	8.23	8.23
1082	80.67	80.67	80.67	80.67	80.67	80.67
1083	78.79	78.79	78.79	78.79	78.79	78.79
1084	58.59	58.59	58.59	58.59	58.59	58.59
1085	73.93	73.93	73.93	73.93	73.93	73.93
1086	152.02	152.07	152.07	152.07	152.07	152.07
1087	79.21	80.37	80.37	80.37	80.37	80.37
1088	0.13	0.13	0.13	0.13	0.13	0.13
1089	0.05	1.38	1.38	1.38	1.38	1.38
1093	76.58	77.51	77.51	77.51	77.51	77.51
1094	48.25	55.39	55.39	55.39	55.39	55.39
1095	24.86	25.00	25.00	25.00	25.00	25.00

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1096	4.54	66.67	69.74	69.80	69.83	69.85
1097	0.00	15.39	25.35	30.75	32.86	33.98
1098	52.65	80.41	80.41	80.41	80.41	80.41
1099	32.34	76.15	76.15	76.15	76.15	76.15
1100	40.01	40.01	40.01	40.01	40.01	40.01
1101	3.97	4.00	4.00	4.00	4.00	4.00
1102	35.79	36.00	36.00	36.00	36.00	36.00
1103	34.98	35.01	35.01	35.01	35.01	35.01
1104	5.03	5.03	5.03	5.03	5.03	5.03
1105	40.05	40.05	40.05	40.05	40.05	40.05
1106	148.31	148.31	148.31	148.31	148.31	148.31
1107	7.64	7.78	7.78	7.78	7.78	7.78
1108	77.65	77.83	77.83	77.83	77.83	77.83
1109	80.07	80.07	80.07	80.07	80.07	80.07
1110	65.86	65.86	65.86	65.86	65.86	65.86
1112	55.97	64.91	64.91	64.91	64.91	64.91
1113	1.47	9.19	9.28	9.28	9.28	9.28
1116	80.88	80.98	80.98	80.98	80.98	80.98
1117	81.11	81.11	81.11	81.11	81.11	81.11
1118	142.17	142.24	142.24	142.24	142.24	142.24
1119	20.00	20.00	20.00	20.00	20.00	20.00
1122	27.48	28.45	28.45	28.45	28.45	28.45
1123	1.76	1.76	1.76	1.76	1.76	1.76
1124	146.90	146.90	146.90	146.90	146.90	146.90
1126	0.70	0.90	0.90	0.90	0.90	0.90
1127	0.90	0.90	0.90	0.90	0.90	0.90
1128	0.90	0.90	0.90	0.90	0.90	0.90
1129	0.92	0.92	0.92	0.92	0.92	0.92
1130	1.40	1.40	1.40	1.40	1.40	1.40
1131	1.29	1.40	1.40	1.40	1.40	1.40
1233	14.44	14.89	14.89	14.90	14.90	14.90
1235	2.76	10.60	23.82	38.97	43.75	47.92
1237	22.57	23.70	25.20	35.60	48.46	48.55
1238	17.30	17.93	18.52	21.51	110.16	110.31
1239	21.52	23.81	24.65	25.73	27.82	27.82
1240	25.14	25.14	25.14	25.14	25.14	25.14
1249	0.01	0.01	0.03	0.41	26.89	27.48
1250	0.00	0.00	0.00	1.45	83.77	84.72

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1251	1.22	1.33	1.43	1.55	11.68	12.00
1252	5.65	5.87	6.08	6.38	7.17	7.32
1253	1.98	2.21	2.42	2.97	5.40	5.51
1254	25.13	29.75	30.68	31.26	39.73	39.79
1256	30.71	31.33	31.35	31.35	31.35	31.35
1257	0.00	0.00	0.02	11.94	83.01	83.27
1258	0.00	0.00	0.00	1.41	54.47	54.81
1259	0.00	0.00	0.00	15.43	59.70	59.72
1260	0.00	0.00	0.00	0.93	59.91	60.43
1261	0.01	0.41	0.71	44.74	60.33	60.91
1262	0.00	0.00	0.00	0.52	84.50	84.89
1263	0.00	0.00	0.08	20.43	68.81	68.81
1265	0.08	0.39	0.45	0.98	1.31	1.36
1266	16.50	17.28	18.12	27.36	37.84	37.84
1267	0.00	0.00	0.00	1.06	9.80	9.82
1268	0.00	0.00	0.00	0.43	5.17	5.17
1269	0.00	0.00	0.00	0.74	1.11	1.35
1270	0.63	22.10	36.53	101.22	104.76	105.71
1271	0.01	0.53	1.04	35.15	38.05	38.20
1276	0.25	0.58	0.65	4.04	4.49	4.52
1277	1.62	3.19	3.46	7.82	7.90	7.92
1294	53.74	56.31	59.20	72.51	73.45	73.45
1297	0.00	0.21	0.40	2.21	2.21	2.21
1298	0.00	0.00	0.00	0.66	0.66	0.66
1299	0.00	0.00	0.00	0.96	0.96	0.96
1303	26.68	29.74	33.56	56.04	56.74	56.74
1305	0.59	1.23	2.24	4.08	4.09	4.09
1306	2.56	3.28	3.60	3.61	3.61	3.61
1307	24.49	26.62	28.83	32.40	32.47	32.47
1308	4.71	9.70	17.33	26.62	27.04	27.04
1309	9.83	10.49	11.27	12.69	12.79	12.79
1310	10.91	11.35	11.73	12.19	12.20	12.20
1311	0.00	0.00	0.57	4.92	5.51	5.51
1312	3.99	4.14	7.01	63.01	67.31	67.31
1313	0.00	0.00	0.00	13.27	15.81	15.81
1314	2.23	2.56	3.22	8.41	9.21	9.21
1315	27.74	30.94	33.70	80.86	82.51	82.51
1316	15.77	15.77	15.77	15.77	15.77	15.77

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1317	0.00	0.00	0.00	2.89	3.74	3.74
1318	80.90	84.69	88.58	104.15	104.69	104.69
1320	14.63	15.14	15.84	17.00	17.19	17.19
1321	19.58	19.87	20.38	21.25	21.49	21.49
1324	15.10	15.59	16.79	18.05	18.14	18.14
1325	4.15	4.33	4.59	4.96	5.02	5.02
1328	17.65	18.08	18.51	18.86	18.86	18.86
1329	2.30	2.51	2.88	3.47	3.47	3.47
1330	3.53	3.60	3.68	3.79	3.79	3.79
1334	0.00	0.00	0.00	0.00	0.00	0.00
1335	2.27	5.31	12.08	25.13	25.18	25.18
1336	0.81	0.96	1.55	2.48	2.51	2.51
1337	0.00	0.02	4.05	15.02	15.04	15.04
1338	30.79	34.06	37.79	42.91	43.27	43.27
1339	0.00	0.00	0.00	1.97	2.01	2.03
1342	0.00	0.00	0.20	2.75	2.75	2.75
1343	0.00	0.00	0.00	0.00	0.00	0.00
1344	2.60	6.57	11.57	20.87	21.14	21.16
1345	15.62	17.83	18.79	20.46	20.91	20.91
1347	19.94	21.72	25.47	31.60	31.74	31.74
1348	6.24	6.49	6.75	7.24	7.33	7.33
1349	36.99	38.71	39.87	41.36	41.37	41.37
1351	8.57	8.57	8.57	8.57	8.57	8.57
1352	2.42	6.03	13.16	31.60	31.70	31.70
1354	0.00	0.42	2.02	5.83	5.84	5.84
1355	1.23	1.32	1.51	1.71	1.74	1.74
1356	6.26	6.56	7.13	7.60	7.66	7.66
1357	0.00	0.00	0.00	0.10	0.11	0.11
1358	0.00	0.00	0.00	0.05	0.05	0.05
1360	0.00	0.00	0.51	4.58	4.59	4.59
1361	0.00	0.00	0.00	4.89	4.96	4.96
1362	0.00	0.00	0.00	0.30	0.30	0.30
1363	0.00	0.00	1.56	11.40	11.46	11.46
1366	0.00	0.00	0.10	25.60	25.80	25.80
1367	4.38	5.16	6.17	7.41	7.48	7.48
1368	0.00	0.00	0.00	2.22	2.22	2.22
1369	1.82	3.82	7.11	11.64	11.64	11.64
1370	2.17	5.87	11.88	21.46	21.48	21.48

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1371	0.00	0.00	0.00	6.42	6.43	6.43
1375	0.00	0.00	5.15	22.12	22.32	22.32
1402	0.00	0.05	1.01	2.28	2.28	2.28
1405	0.02	0.11	1.27	2.03	2.03	2.03
1411	0.98	1.14	1.51	2.51	4.39	4.39
1412	0.24	0.28	0.34	0.41	0.42	0.42
1447	0.00	0.00	0.02	1.49	1.60	1.60
1450	2.78	3.26	3.68	4.12	4.20	4.20
1451	1.60	1.96	4.01	14.73	34.26	34.83
1452	0.00	0.00	0.00	8.41	76.76	77.07
1453	1.90	2.22	2.44	2.79	4.09	4.09
1455	0.00	0.00	0.40	2.53	2.67	2.67
1461	0.00	0.00	0.05	5.05	5.45	5.45
1463	0.00	0.33	6.41	13.96	13.97	13.97
1466	17.76	22.13	24.59	31.57	57.84	58.19
1468	0.00	0.00	0.01	0.26	0.28	0.28
1471	0.00	0.00	3.02	7.31	7.35	7.35
1473	0.97	17.64	37.25	76.54	138.29	139.61
1474	0.00	0.00	0.00	2.59	4.19	4.20
1475	0.00	0.00	5.90	16.42	16.52	16.53
1476	0.00	0.00	0.00	0.01	0.02	0.03
1477	0.00	1.89	3.91	4.93	4.94	4.94
1478	0.00	0.00	0.00	0.99	1.00	1.00
1479	0.00	0.00	0.86	2.28	2.28	2.28
1481	0.00	0.00	1.64	7.64	8.30	8.30
1485	10.67	11.79	12.41	12.76	12.79	12.79
1486	7.15	7.15	7.15	7.15	7.15	7.15
1491	0.00	1.75	6.04	7.66	7.67	7.67
1494	0.00	0.00	0.00	0.06	0.47	0.52
1496	0.00	0.00	0.04	4.46	4.46	4.46
1512	0.00	0.01	0.78	3.28	3.28	3.28
1513	0.05	3.44	8.57	22.54	22.65	22.65
1514	3.54	13.06	25.81	37.39	37.58	37.58
1515	0.00	0.00	0.00	5.88	5.96	5.96
1516	0.00	0.00	0.00	0.05	0.05	0.05
1517	0.00	0.00	0.00	0.12	0.12	0.12
1520	0.00	0.00	0.00	1.91	1.93	1.93
1523	0.00	0.00	0.38	0.89	1.05	1.05

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1524	0.00	0.00	13.71	47.85	48.17	48.17
1541	3.40	3.51	3.80	4.59	5.17	5.21
1542	0.51	0.56	1.33	2.49	2.52	2.52
1543	0.42	0.43	0.49	0.62	0.62	0.62
1544	0.83	0.90	2.13	3.01	3.10	3.10
1545	14.66	17.19	21.59	26.15	26.27	26.27
1548	11.98	12.24	12.67	13.63	13.65	13.65
1550	6.19	6.54	7.10	8.32	9.53	9.54
1551	0.65	0.75	0.91	1.25	1.25	1.25
1554	0.00	0.00	0.00	0.32	0.32	0.32
1556	0.00	0.00	0.00	0.01	0.01	0.01
1566	0.00	0.00	0.12	0.58	0.59	0.59
1567	0.00	0.00	0.02	0.43	0.45	0.45
1568	0.00	0.14	0.48	0.68	0.71	0.71
1569	0.00	0.77	2.89	7.88	7.89	7.89
1570	0.00	0.00	4.07	9.98	9.99	9.99
1572	0.27	0.31	0.39	0.89	1.36	1.37
1573	12.61	12.86	13.17	13.86	14.36	14.43
1578	0.04	2.67	9.51	31.17	31.54	31.54
1580	8.95	12.63	19.49	37.32	37.42	37.42
1581	16.85	17.23	18.19	21.15	21.16	21.16
1582	0.00	0.00	1.37	8.29	8.43	8.43
1583	0.00	0.00	2.61	13.52	13.68	13.68
1584	0.13	2.92	11.66	26.03	26.04	26.04
1585	27.88	30.96	36.15	41.33	41.40	41.40
1586	0.61	0.69	0.77	1.57	1.57	1.57
1587	0.04	0.04	0.06	0.06	0.06	0.06
1588	10.54	12.04	14.16	17.69	17.71	17.71
1589	0.00	0.00	0.00	3.90	3.91	3.91
1594	2.10	2.35	2.85	5.32	7.39	7.45
1595	0.14	0.17	0.23	0.39	0.39	0.39
1596	29.90	30.47	31.21	32.67	32.78	32.79
1597	2.79	2.84	3.02	3.22	3.26	3.27
1599	0.00	0.00	0.00	1.35	1.35	1.35
1600	20.18	22.08	24.42	27.42	27.52	27.52
1604	3.19	4.22	4.22	4.22	4.22	4.22
1605	3.01	3.01	3.01	3.01	3.01	3.01
1606	2.61	2.61	2.61	2.61	2.61	2.61

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1607	2.21	2.22	2.22	2.22	2.22	2.22
1608	0.68	2.00	2.07	2.07	2.07	2.07
1615	3.48	3.50	3.62	3.75	3.84	3.84
1616	0.00	0.00	0.94	11.45	11.70	11.70
1630	0.00	0.00	99.03	106.10	110.52	111.11
1633	0.00	0.03	0.79	46.10	69.94	73.48
1634	12.17	12.34	12.57	13.23	13.23	13.23
1635	35.82	39.53	42.70	56.37	58.62	58.68
1638	0.00	50.90	53.97	55.87	57.17	57.17
1648	1.15	73.71	79.39	79.45	79.45	79.45
1650	0.00	25.25	66.94	68.98	69.58	69.58
1665	0.00	0.23	0.53	2.29	2.35	2.35
1670	0.84	6.64	38.16	118.59	212.17	214.46
1671	0.05	2.78	21.61	146.18	159.87	160.02
1672	12.36	31.14	52.12	68.34	69.80	69.99
1673	0.33	0.83	1.53	8.62	9.05	9.05
1674	0.66	0.92	1.16	1.98	2.02	2.02
1675	2.87	3.06	3.23	3.35	3.35	3.35
1678	0.00	0.86	16.85	34.66	35.71	36.78
1689	5.58	7.26	59.89	60.47	60.99	61.11
1690	5.16	15.70	38.94	39.91	40.21	40.21
1777	0.34	24.88	46.31	78.65	79.83	79.83
1783	0.00	0.00	0.64	47.12	68.61	70.85
1785	8.10	8.26	8.50	9.67	9.67	9.67
1791	0.00	0.00	0.05	41.94	69.02	73.52
1792	0.00	0.91	1.94	5.86	5.86	5.86
1793	0.00	1.52	2.97	9.11	9.64	9.64
1794	2.14	2.53	3.69	89.96	90.54	90.58
1795	1.34	1.69	2.18	5.26	5.38	5.38
1796	0.00	20.55	46.78	135.32	136.61	136.67
1802	0.00	0.58	1.03	3.83	4.41	4.52
1803	0.00	0.00	0.62	37.47	37.99	37.99
1804	0.00	0.00	0.83	9.53	9.55	9.55
1805	5.98	7.61	9.40	11.83	12.03	12.10
1806	0.00	0.00	0.57	37.49	38.05	38.06
1812	5.05	6.01	7.29	8.49	8.49	8.49
1820	0.00	0.00	0.00	0.00	0.02	0.05
1822	0.00	0.00	0.75	45.07	144.85	146.68

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1824	57.82	64.79	73.24	96.18	156.81	157.08
1826	0.99	1.10	1.47	2.90	4.87	4.96
1827	0.00	0.01	0.03	0.12	21.12	21.60
1830	29.29	30.72	30.72	30.72	30.72	30.72
1833	0.00	0.00	2.71	11.18	51.18	53.10
1834	1.57	1.67	1.74	1.91	8.59	9.42
1835	62.81	116.57	122.70	122.83	122.83	122.83
1836	1.06	79.55	109.11	110.17	110.17	110.17
1837	11.99	100.26	158.39	158.80	158.80	158.80
1838	49.87	119.39	121.29	121.46	121.46	121.46
1839	11.00	61.28	191.64	194.29	194.29	194.29
1840	0.00	55.77	225.73	264.90	268.04	269.71
1841	18.88	39.81	161.36	177.06	178.40	178.40
1842	0.00	7.91	181.50	218.77	221.27	221.46
1845	0.00	30.90	41.50	42.42	42.75	42.75
1847	0.00	4.75	9.68	9.69	9.69	9.69
1850	0.00	60.34	71.43	73.37	74.44	74.44
1861	0.00	4.46	84.41	198.70	201.68	201.99
1868	21.14	24.07	51.42	58.66	58.71	58.71
1869	0.06	1.59	59.33	79.74	79.96	79.96
1876	0.00	0.00	16.94	32.30	32.52	33.05
1880	4.75	4.75	4.75	4.75	4.75	4.75
1881	14.81	79.68	81.13	81.14	81.14	81.14
1882	1.95	66.88	81.17	81.17	81.17	81.17
1883	51.04	153.26	153.63	153.63	153.63	153.63
1885	51.32	53.76	53.76	53.76	53.76	53.76
1886	21.04	89.85	90.20	90.20	90.20	90.20
1889	6.76	6.76	6.76	6.76	6.76	6.76
1890	8.71	10.45	12.03	36.14	36.24	36.24
1891	11.38	11.71	11.99	16.54	16.54	16.54
1892	3.71	3.71	3.71	3.71	3.71	3.71
1893	45.59	50.52	50.68	50.68	50.68	50.68
1895	23.55	27.51	35.80	62.08	62.08	62.08
1896	13.46	16.09	17.92	29.98	32.16	32.18
1897	15.74	24.05	55.20	86.62	86.73	86.73
1898	35.57	39.66	43.54	44.12	44.12	44.12
1899	40.73	46.44	48.82	51.08	52.76	52.76
1901	0.00	0.52	80.29	80.94	81.07	81.07

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1902	0.00	4.81	80.51	81.17	81.17	81.17
1903	0.62	52.84	80.71	81.27	81.27	81.27
1904	79.45	80.37	81.17	81.17	81.17	81.17
1905	70.75	71.06	71.23	71.23	71.23	71.23
1906	9.31	9.62	9.99	10.00	10.00	10.00
1907	155.52	161.67	162.64	162.64	162.64	162.64
1908	112.93	141.18	142.16	142.16	142.16	142.16
1909	0.14	75.71	79.91	80.43	80.43	80.43
1910	40.90	80.33	80.39	80.39	80.39	80.39
1911	1.62	64.64	66.77	66.77	66.77	66.77
1912	1.98	7.86	9.25	9.25	9.25	9.25
1913	24.60	77.85	79.99	80.46	80.46	80.46
1914	8.64	17.65	20.23	20.32	20.32	20.32
1915	147.24	149.04	149.46	149.46	149.46	149.46
1916	11.49	12.07	12.78	12.78	12.78	12.78
1917	79.14	79.76	80.03	80.03	80.03	80.03
1918	78.49	79.66	79.84	79.84	79.84	79.84
1919	0.11	0.21	0.30	0.30	0.30	0.30
1920	103.90	147.04	147.71	147.71	147.71	147.71
1921	97.84	144.38	145.26	145.26	145.26	145.26
1922	10.75	22.13	22.13	22.13	22.13	22.13
1923	37.19	40.56	40.56	40.56	40.56	40.56
1924	37.00	68.95	69.62	69.62	69.62	69.62
1925	34.92	40.31	40.31	40.31	40.31	40.31
1926	5.69	11.95	11.95	11.95	11.95	11.95
1927	77.02	155.68	155.68	155.68	155.68	155.68
1929	21.19	160.07	160.29	160.29	160.29	160.29
1930	0.00	55.13	55.13	55.13	55.13	55.13
1932	74.64	148.60	148.93	148.93	148.93	148.93
1933	65.41	67.60	67.60	67.60	67.60	67.60
1934	27.55	80.24	80.35	80.35	80.35	80.35
1935	0.00	1.15	1.15	1.15	1.15	1.15
1938	52.92	136.29	136.92	136.92	136.92	136.92
1939	6.59	10.93	10.98	10.98	10.98	10.98
1940	1.26	33.87	34.64	34.91	34.91	34.91
1941	14.65	70.88	70.88	70.88	70.88	70.88
1942	71.37	79.25	79.68	79.68	79.68	79.68
1943	76.58	79.37	79.53	79.53	79.53	79.53

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1944	18.06	73.26	80.38	80.88	80.88	80.88
1945	14.77	80.18	80.68	80.68	80.68	80.68
1946	40.22	40.22	40.22	40.22	40.22	40.22
1947	29.53	38.57	40.28	40.33	40.33	40.33
1948	28.99	36.88	40.34	40.37	40.37	40.37
1949	154.55	160.52	160.74	160.74	160.74	160.74
1950	148.18	159.50	160.66	160.66	160.66	160.66
1951	81.91	151.45	159.33	159.93	159.93	159.93
1952	0.09	14.98	69.18	69.73	69.73	69.73
1953	3.02	5.41	10.03	10.07	10.07	10.07
1954	18.21	29.40	83.21	155.47	160.35	160.54
1955	0.02	1.10	1.52	1.52	1.52	1.52
1956	8.90	14.12	80.74	80.74	80.74	80.74
1957	5.66	11.07	37.65	80.40	80.74	80.89
1958	0.00	0.27	1.83	1.98	2.00	2.00
1959	1.91	3.49	4.78	4.78	4.78	4.78
1960	5.01	11.71	62.66	74.17	74.17	74.17
1961	0.00	0.06	2.72	55.32	74.40	75.02
1962	1.25	2.12	7.20	25.50	70.00	70.48
1963	0.00	0.00	3.12	28.94	39.97	40.00
1964	0.00	0.00	0.03	2.02	13.64	16.87
1965	6.86	38.59	148.88	160.06	160.57	160.57
1966	122.43	145.78	159.88	160.06	160.11	160.11
1967	57.02	80.58	143.82	151.80	152.52	152.89
1968	0.00	0.04	0.74	6.22	6.92	7.22
1969	6.54	18.29	97.32	159.28	160.27	160.77
1970	70.02	78.07	81.22	81.32	81.32	81.32
1971	37.57	39.42	40.67	40.67	40.67	40.67
1972	130.83	139.67	155.54	160.75	161.42	161.42
1973	8.72	9.46	40.59	42.65	42.65	42.65
1974	20.56	31.59	120.76	121.41	121.41	121.41
1975	0.00	28.82	89.55	89.88	89.88	89.88
1976	83.90	143.01	147.49	147.49	147.49	147.49
1977	32.80	49.71	128.00	129.08	129.09	129.09
1978	0.00	0.30	8.91	9.44	9.44	9.44
1979	0.00	2.73	39.06	39.16	39.17	39.17
1989	15.50	17.41	20.15	20.25	20.25	20.25
1990	33.47	43.29	68.10	68.29	68.29	68.29

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
1991	10.23	11.43	125.68	149.03	149.03	149.03
1992	9.27	10.11	13.18	13.46	13.46	13.46
1993	0.00	11.68	145.06	155.92	155.92	155.92
1994	0.00	1.16	134.16	144.21	144.21	144.21
1995	0.00	0.00	27.74	79.06	79.34	79.34
1996	0.00	5.57	72.26	72.26	72.26	72.26
1997	0.00	8.97	64.21	64.33	64.33	64.33
1998	0.03	0.11	92.81	136.48	136.75	136.75
2000	0.00	0.00	1.18	112.38	117.62	118.33
2001	0.00	0.00	32.50	136.39	137.02	137.24
2002	0.00	0.00	6.10	9.21	9.21	9.21
2003	67.20	86.73	105.99	159.21	160.03	160.93
2004	5.00	5.05	5.12	5.26	5.26	5.26
2005	37.97	57.06	83.39	120.44	120.50	120.89
2006	29.68	36.46	54.01	77.23	77.63	77.97
2007	30.99	43.01	54.75	59.00	60.15	60.17
2008	38.51	49.91	77.21	79.68	80.32	80.51
2009	0.69	1.41	6.30	9.97	10.05	10.05
2010	5.42	7.50	8.58	9.82	10.03	10.05
2011	14.02	16.74	25.10	92.65	156.12	156.48
2012	0.00	0.00	0.00	1.97	63.71	63.92
2013	0.00	0.00	0.00	1.94	2.63	2.82
2014	12.32	13.39	15.15	26.11	44.94	48.41
2015	68.22	77.11	87.56	126.31	139.07	139.41
2016	13.80	14.15	15.36	19.01	19.91	19.95
2021	0.04	0.05	0.12	0.21	0.21	0.21
2022	0.76	0.81	0.96	1.16	1.44	1.53
2023	3.03	3.24	3.66	4.52	5.23	5.33
2024	2.38	2.49	2.72	3.20	3.46	3.46
2025	13.54	16.42	21.03	28.64	28.67	28.67
2026	33.83	35.44	37.97	52.69	67.74	68.13
2027	11.37	11.64	12.02	13.19	15.10	15.13
2029	4.36	4.46	4.59	4.98	5.24	5.25
2031	12.21	21.88	47.42	85.84	86.54	87.86
2032	0.02	0.23	3.35	23.22	23.32	23.52
2033	23.69	24.63	25.66	33.14	33.52	33.80
2035	11.93	13.66	16.87	21.61	21.62	21.62
2036	0.00	0.02	0.08	0.38	0.81	1.59

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
2039	0.00	0.00	0.01	9.30	9.55	9.55
2040	0.00	0.00	3.57	103.86	105.08	105.26
2041	0.00	0.00	0.00	6.26	6.37	6.38
2042	16.18	24.51	30.60	126.40	143.65	145.00
2043	11.34	20.63	27.02	59.50	120.01	120.73
2044	0.00	0.00	0.02	3.88	4.71	4.72
2045	0.00	0.00	7.45	39.74	53.17	53.21
2046	0.00	0.00	0.00	26.83	29.44	29.44
2047	0.00	0.00	0.00	13.17	30.67	30.67
2048	2.98	6.51	8.31	40.28	40.47	40.47
2049	0.91	11.58	50.88	120.71	121.14	121.14
2050	0.00	0.00	17.45	154.69	154.89	154.89
2051	0.00	0.00	1.52	128.70	152.30	152.56
2052	41.39	63.68	89.63	157.63	161.05	161.63
2150	3.12	5.75	6.41	6.61	6.61	6.61
2182	0.00	0.44	5.59	5.76	5.76	5.76
2183	0.00	0.00	0.00	3.55	3.74	3.74
2184	0.00	0.00	0.00	3.90	4.00	4.00
2185	0.00	0.00	0.06	2.28	2.32	2.44
2313	3.87	3.87	3.87	3.87	3.87	3.87
2358	0.22	0.22	0.36	0.45	0.50	0.60
2361	39.67	39.96	40.12	40.12	40.12	40.12
5000	3.17	3.17	3.17	3.17	3.17	3.17
5001	4.76	4.76	4.76	4.76	4.76	4.76
5002	2.87	2.87	2.87	2.87	2.87	2.87
5004	0.00	0.25	34.63	52.50	54.92	56.33
5007	0.00	0.00	0.00	0.15	0.16	0.16
5009	0.00	0.36	69.17	80.69	82.10	82.93
5011	0.00	0.00	0.00	0.05	0.10	0.10
5012	0.00	0.00	30.17	43.11	43.69	43.69
5013	0.17	32.52	153.24	156.06	156.06	156.06
5014	0.00	0.00	0.00	0.23	5.27	7.77
5015	0.00	0.00	0.00	0.00	4.12	4.21
5016	0.00	0.00	1.38	97.62	118.64	120.23
5017	0.00	0.00	0.00	16.02	24.79	25.36
5018	0.00	0.00	1.40	3.49	4.31	6.02
5019	0.16	1.00	74.71	165.13	166.93	167.56
5020	1.03	1.82	105.14	106.47	106.47	106.47

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
5021	0.02	0.04	0.12	0.14	0.14	0.14
5022	0.00	0.00	36.77	40.24	40.24	40.24
5023	0.00	0.00	7.12	8.71	8.85	8.92
5025	0.00	0.00	0.00	0.18	5.72	6.08
5026	0.00	0.00	0.00	7.65	32.11	32.30
5027	0.00	0.00	6.38	74.36	103.65	104.21
5028	0.00	0.00	0.10	6.83	9.12	9.81
5029	0.00	0.00	13.71	92.22	102.34	102.67
5030	0.00	0.00	11.49	50.33	50.51	50.60
5032	0.00	0.00	0.00	3.86	4.31	4.37
5033	0.00	0.00	0.00	2.30	2.53	2.76
5034	0.00	0.00	0.25	49.61	52.10	52.27
5035	0.00	0.00	0.03	18.16	18.38	18.38
5036	0.00	0.00	0.01	16.55	16.93	16.93
5038	0.00	0.00	0.00	12.20	17.21	17.22
5054	0.65	0.65	0.65	0.65	0.65	0.65
5055	0.00	0.00	0.59	2.63	3.25	3.88
5059	8.81	9.01	9.28	9.28	9.28	9.28
5061	0.00	0.00	0.20	31.22	40.05	40.05
5128	2.34	2.34	2.34	2.34	2.34	2.34
5129	4.02	4.02	4.02	4.02	4.02	4.02
5167	2.18	2.25	2.41	2.67	2.67	2.67
5168	2.17	2.24	2.39	2.63	2.63	2.63
5169	6.77	6.83	7.08	7.41	7.41	7.41
5170	4.34	4.46	4.63	5.06	5.06	5.06
5172	34.94	35.01	35.12	35.32	35.32	35.32
5173	7.32	7.32	7.32	7.32	7.32	7.32
5174	19.54	19.70	20.06	20.72	20.72	20.72
5176	4.32	4.43	4.67	5.03	5.03	5.03
5177	9.90	10.22	11.12	12.24	12.24	12.24
5178	0.00	0.00	0.01	0.01	0.01	0.01
5179	10.10	10.10	10.10	10.10	10.10	10.10
5180	3.35	3.54	3.77	4.07	4.07	4.07
5181	1.41	1.44	1.54	1.94	1.94	1.94
5182	4.63	4.76	4.91	5.21	5.21	5.21
5183	19.86	20.82	22.64	24.96	24.96	24.96
5184	41.49	41.78	42.35	43.28	43.28	43.28
5185	24.67	24.96	26.10	27.96	27.96	27.96

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
5186	10.63	10.79	11.10	11.75	11.75	11.75
5187	32.12	32.60	34.10	36.62	36.62	36.62
5188	0.93	0.95	1.00	1.09	1.09	1.09
5189	4.28	4.28	4.28	4.28	4.28	4.28
5190	36.82	37.43	38.97	41.25	41.25	41.25
5206	43.96	44.37	45.17	46.19	46.19	46.19
5207	0.49	0.51	0.55	0.60	0.60	0.60
5208	1.13	1.17	1.26	1.38	1.38	1.38
5210	0.33	0.33	0.33	0.36	0.36	0.36
5212	0.33	0.35	0.38	0.43	0.43	0.43
5279	0.00	0.00	0.00	0.01	0.01	0.01
7002	18.27	20.52	22.39	23.58	23.58	23.58
7003	1.88	1.88	1.88	1.88	1.88	1.88
7004	0.48	0.71	1.46	3.18	6.16	7.21
7100	12.96	13.07	13.34	13.67	13.67	13.67
7101	26.08	26.25	26.72	27.77	27.80	28.13
7102	61.93	62.47	64.25	68.13	68.21	68.21
7103	0.69	0.97	2.75	8.30	8.42	8.52
7104	3.52	3.84	5.16	6.75	6.79	6.79
7105	21.76	21.87	22.05	22.20	22.20	22.20
7106	1.32	1.35	1.42	1.49	1.49	1.49
7107	44.23	45.23	48.37	53.11	53.11	53.11
7108	3.98	4.07	4.29	4.57	4.57	4.57
7109	1.11	1.15	1.23	1.35	1.35	1.35
8359	47.48	48.45	48.45	48.45	48.45	48.45
8360	3.47	3.70	4.20	4.74	4.76	4.76
8385	9.84	10.00	10.00	10.00	10.00	10.00
8386	4.98	5.15	5.15	5.15	5.15	5.15
8465	0.74	1.52	4.79	10.83	10.86	10.86
8466	0.00	0.00	0.00	2.33	2.34	2.34
8467	0.00	0.00	0.00	2.20	2.20	2.20
8468	0.00	0.00	0.00	0.05	0.05	0.05
8473	0.00	0.00	0.00	5.09	5.10	5.10
8475	0.00	0.00	0.01	0.07	0.07	0.07
8476	0.00	0.08	0.73	1.69	1.71	1.71
8517	0.00	9.20	9.21	9.23	9.22	9.22
8518	1.46	9.79	10.12	10.25	10.21	10.21
8527	0.77	1.25	1.86	3.35	5.64	5.68

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
8528	0.92	1.07	1.26	1.56	5.16	5.55
8687	0.00	0.00	0.00	0.14	0.18	0.18
8688	0.00	0.00	0.00	0.30	0.30	0.30
8689	0.00	0.00	0.00	0.14	0.14	0.14
8690	0.00	0.00	0.00	0.16	0.16	0.16
8691	0.00	0.00	0.00	0.15	0.15	0.15
8692	0.00	0.00	0.00	0.14	0.14	0.14
8693	0.00	0.00	0.02	0.48	0.48	0.48
8694	0.00	0.00	0.03	0.59	0.59	0.59
8695	0.00	0.00	0.19	0.33	0.34	0.34
8696	0.00	0.00	0.33	0.63	0.65	0.65
8697	0.00	0.00	0.00	0.05	0.05	0.05
8698	0.00	0.00	0.09	0.23	0.23	0.23
8699	0.00	0.01	0.07	0.14	0.14	0.14
8702	0.00	0.02	0.06	0.13	0.13	0.13
8703	0.00	0.00	0.00	0.10	0.12	0.12
8704	0.00	0.05	0.28	0.38	0.38	0.38
8705	0.00	0.00	0.00	0.02	0.03	0.03
8706	0.00	0.02	0.16	0.35	0.35	0.35
8707	0.00	0.06	0.38	0.45	0.45	0.45
8708	0.00	0.00	0.00	0.00	0.00	0.00
8709	0.00	0.00	0.00	0.09	0.09	0.09
8710	0.00	0.00	0.05	0.12	0.12	0.12
8711	0.00	0.00	0.01	0.10	0.11	0.11
8712	0.00	0.00	0.00	0.00	0.01	0.01
8714	0.00	0.00	0.00	0.01	0.01	0.01
8715	0.00	0.00	0.01	0.14	0.14	0.14
8716	0.00	0.01	0.13	0.42	0.42	0.42
8717	0.00	0.06	0.23	0.36	0.38	0.38
8727	0.00	0.00	0.00	0.01	0.01	0.01
8728	0.00	0.83	1.90	2.61	2.61	2.61
8729	0.00	0.01	0.42	1.34	1.37	1.37
8772	0.00	0.00	0.00	0.49	0.49	0.49
8773	0.00	0.00	0.00	2.94	2.94	2.94
8775	0.00	0.00	0.00	0.85	0.87	0.87
8779	0.00	0.15	2.24	2.31	2.31	2.31
8780	0.27	1.94	6.56	6.62	6.62	6.62
8781	1.26	3.93	8.07	8.15	8.15	8.15

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
8782	0.00	0.00	0.00	2.19	2.21	2.21
8783	4.87	7.75	12.56	12.71	12.71	12.71
8784	3.89	4.96	6.88	6.97	6.97	6.97
8786	2.55	2.86	3.37	3.39	3.39	3.39
8788	0.90	0.94	0.98	0.99	0.99	0.99
8789	34.26	37.95	44.97	53.37	53.52	53.53
8790	30.64	31.17	31.85	32.80	32.80	32.80
8791	40.79	41.26	41.96	42.89	43.01	43.02
8792	20.80	21.09	21.75	22.99	23.12	23.12
8793	0.99	1.00	1.00	1.00	1.00	1.00
8794	0.13	0.15	0.17	0.19	0.20	0.20
8795	0.43	0.49	0.55	0.68	0.69	0.69
8796	0.24	0.25	0.27	0.29	0.29	0.29
8797	0.08	0.08	0.08	0.09	0.09	0.09
8798	29.02	29.94	31.50	33.96	34.04	34.04
8799	1.91	2.04	2.24	2.58	2.58	2.58
8801	5.80	7.28	10.16	14.58	14.72	14.72
8802	0.22	0.25	0.38	1.40	1.45	1.45
8803	0.00	0.01	0.59	2.86	2.91	2.91
8806	0.00	0.00	0.00	0.05	0.06	0.06
8807	0.00	0.00	0.00	0.05	0.05	0.05
8808	0.00	0.00	0.00	0.10	0.11	0.11
8809	0.00	0.00	0.02	0.08	0.08	0.08
8810	0.00	0.00	0.00	0.15	0.15	0.15
8812	0.00	0.00	0.00	0.03	0.03	0.03
8813	0.00	0.00	0.01	0.25	0.26	0.26
8814	0.00	0.00	0.03	0.06	0.06	0.06
8816	0.00	0.04	0.11	0.20	0.21	0.21
8817	0.02	0.06	0.14	0.24	0.24	0.24
8818	0.01	0.04	0.09	0.27	0.29	0.29
8819	0.04	0.08	0.11	0.12	0.12	0.12
8820	0.05	0.08	0.29	0.32	0.32	0.32
8821	0.00	0.00	0.00	0.00	0.00	0.00
8822	0.00	0.00	0.00	0.00	0.00	0.00
8823	0.00	0.00	0.00	0.00	0.00	0.00
8825	0.01	0.02	0.18	0.22	0.22	0.22
8826	0.06	0.13	0.22	0.51	0.51	0.51
8827	0.00	0.00	0.00	0.03	0.05	0.05

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
8828	0.14	0.23	0.24	0.24	0.24	0.24
8829	0.02	0.04	0.15	0.16	0.16	0.16
8830	0.00	0.00	0.04	0.13	0.15	0.15
8831	0.00	0.00	0.00	0.00	0.00	0.00
8834	0.05	0.09	0.16	0.19	0.19	0.19
8835	0.15	0.23	0.29	0.36	0.37	0.37
8836	0.00	0.00	0.00	0.03	0.04	0.04
8838	0.02	0.05	0.05	1.13	1.13	1.13
8856	0.00	29.10	87.48	87.48	87.48	87.48
8857	0.00	7.10	11.03	11.10	11.10	11.10
8919	40.13	56.00	56.00	56.00	56.00	56.00
8920	3.24	3.78	3.84	3.84	3.84	3.84
8922	4.01	192.56	192.56	192.56	192.56	192.56
8923	0.00	10.09	10.13	10.18	10.16	10.16
9047	35.63	40.72	48.79	48.93	48.97	48.98
9049	1.00	1.69	2.16	2.26	2.32	2.39
9050	0.00	0.86	1.66	2.06	2.20	2.24
9051	53.70	55.13	55.28	55.33	55.35	55.35
9054	0.09	31.94	38.08	38.08	38.08	38.08
9055	0.00	6.55	115.74	119.62	120.92	146.05
9056	0.00	0.00	0.52	1.23	1.60	4.06
9112	54.89	55.23	55.61	55.62	55.46	55.62
9115	5.53	6.08	7.61	7.73	7.73	7.73
9116	25.63	27.41	31.50	31.74	31.74	31.74
9119	15.28	15.56	16.32	17.39	17.39	17.39
9120	24.05	24.43	25.30	26.31	26.31	26.31
9152	0.39	2.91	2.93	2.94	3.47	3.76
9153	2.57	2.64	2.78	3.04	3.17	3.17
9157	3.32	3.59	4.01	5.39	5.45	5.45
9162	0.00	0.00	0.00	3.50	3.50	3.50
9163	0.00	0.00	0.02	9.81	9.98	9.98
9164	0.00	0.00	0.00	8.55	8.55	8.55
9165	0.00	0.00	0.00	3.00	3.00	3.00
9169	21.46	25.52	25.52	25.52	25.52	25.52
9170	26.07	33.22	33.86	33.86	33.86	33.86
9179	0.00	0.01	0.07	0.19	0.19	0.19
9191	96.44	100.29	100.39	100.37	100.46	100.46
9220	0.44	0.45	0.47	0.48	0.51	0.51

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
9226	0.12	0.16	0.25	0.94	1.71	1.71
9227	1.58	1.62	1.65	1.79	2.08	2.08
9228	2.49	2.52	2.58	2.79	3.07	3.07
9229	1.17	1.18	1.21	1.31	1.70	1.71
9230	5.39	5.56	5.95	7.36	8.21	8.27
9231	0.00	0.00	1.18	16.85	17.65	18.25
9232	0.00	0.00	0.26	5.31	6.89	6.97
9233	0.00	0.14	28.94	39.48	40.00	40.05
9234	27.36	32.46	35.70	37.12	37.12	37.12
9235	6.76	6.85	6.99	7.12	7.12	7.12
9236	0.28	0.33	0.38	0.54	0.63	0.63
9237	0.67	0.75	0.80	0.87	0.88	0.88
9248	0.00	0.00	0.03	1.56	1.56	1.56
9249	0.00	0.00	0.07	0.82	0.82	0.82
9251	0.28	0.34	0.42	0.51	0.51	0.51
9252	0.11	0.47	0.94	1.65	1.66	1.66
9253	0.26	1.06	1.68	2.11	2.11	2.11
9254	1.18	1.92	2.19	2.20	2.20	2.20
9255	0.39	0.70	1.08	1.59	1.59	1.59
9256	0.02	0.52	1.51	2.03	2.03	2.03
9257	0.10	0.98	1.57	1.88	1.88	1.88
9258	3.68	5.74	7.54	9.05	9.06	9.06
9332	57.79	61.07	61.07	61.07	61.07	61.07
9337	79.23	79.99	79.99	79.99	79.99	79.99
9347	0.04	3.01	3.01	3.01	3.01	3.01
9348	32.18	47.95	47.95	47.95	47.95	47.95
9349	2.47	3.31	3.31	3.31	3.31	3.31
9352	27.72	28.79	28.79	28.79	28.79	28.79
9359	26.36	42.51	42.51	42.51	42.51	42.51
9363	18.50	20.29	20.29	20.29	20.29	20.29
9381	0.40	1.06	1.06	1.06	1.06	1.06
9382	0.45	1.17	1.17	1.17	1.17	1.17
9383	0.37	1.17	1.17	1.17	1.17	1.17
9384	0.45	1.24	1.24	1.24	1.24	1.24
9385	0.48	1.32	1.32	1.32	1.32	1.32
9386	0.44	1.34	1.34	1.34	1.34	1.34
9387	0.42	1.59	1.59	1.59	1.59	1.59
9388	0.90	1.11	1.11	1.11	1.11	1.11

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
9393	0.14	0.14	0.14	0.14	0.14	0.14
9394	2.27	2.27	2.27	2.27	2.27	2.27
9395	0.39	0.58	0.58	0.58	0.58	0.58
9396	1.06	1.06	1.06	1.06	1.06	1.06
9397	1.72	1.79	1.79	1.79	1.79	1.79
9400	1.02	1.26	1.26	1.26	1.26	1.26
9401	1.89	3.38	3.38	3.38	3.38	3.38
9403	1.04	2.45	2.45	2.45	2.45	2.45
9404	3.24	4.11	4.11	4.11	4.11	4.11
9406	0.00	0.71	0.71	0.71	0.71	0.71
9409	0.03	0.71	0.71	0.71	0.71	0.71
9410	0.38	0.38	0.38	0.38	0.38	0.38
9411	1.13	2.44	2.44	2.44	2.44	2.44
9412	8.01	8.02	8.02	8.02	8.02	8.02
9416	1.52	3.63	3.63	3.63	3.63	3.63
9417	0.00	2.36	2.36	2.36	2.36	2.36
9419	0.00	2.68	2.68	2.68	2.68	2.68
9420	1.62	5.65	5.65	5.65	5.65	5.65
9421	1.12	1.20	1.20	1.20	1.20	1.20
9422	0.00	2.71	2.71	2.71	2.71	2.71
9423	0.15	1.86	1.86	1.86	1.86	1.86
9424	0.67	1.77	1.85	1.85	1.85	1.85
9425	2.62	2.75	2.84	2.84	2.84	2.84
9426	2.04	2.04	2.04	2.04	2.04	2.04
9427	1.83	1.83	1.83	1.83	1.83	1.83
9428	2.25	2.44	2.44	2.44	2.44	2.44
9429	1.74	1.92	1.92	1.92	1.92	1.92
9430	1.40	1.58	1.58	1.58	1.58	1.58
9431	2.05	2.05	2.05	2.05	2.05	2.05
9432	8.59	8.59	8.59	8.59	8.59	8.59
9433	4.30	4.53	4.53	4.53	4.53	4.53
9434	1.94	2.97	2.97	2.97	2.97	2.97
9435	0.42	0.42	0.42	0.42	0.42	0.42
9436	0.00	0.87	0.87	0.87	0.87	0.87
9437	0.89	1.21	1.21	1.21	1.21	1.21
9438	1.08	1.08	1.08	1.08	1.08	1.08
9439	5.17	5.22	5.22	5.22	5.22	5.22
9440	0.00	0.81	0.81	0.81	0.81	0.81

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
9462	0.72	1.22	1.22	1.22	1.22	1.22
9502	0.00	0.11	0.45	0.56	0.56	0.56
9503	0.00	0.01	0.26	0.55	0.56	0.57
9504	0.00	0.00	0.24	0.33	0.33	0.34
9505	0.00	0.01	0.26	0.51	0.51	0.51
9506	0.00	0.04	0.24	0.24	0.24	0.24
9507	0.00	0.05	0.27	0.27	0.27	0.27
9508	0.00	0.14	0.29	0.30	0.30	0.30
9509	0.00	0.31	0.32	0.32	0.32	0.32
9510	0.00	0.04	0.32	0.32	0.32	0.32
9511	0.00	0.01	0.14	0.15	0.15	0.15
9591	0.00	0.00	0.09	0.10	0.10	0.10
9592	0.12	0.19	0.61	0.62	0.61	0.61
9593	1.13	1.32	1.58	1.58	1.58	1.58
9594	0.00	0.00	0.01	0.01	0.01	0.01
9595	0.58	0.69	1.24	1.24	1.24	1.24
9596	0.62	0.90	1.16	1.16	1.16	1.16
9597	0.56	0.75	0.93	0.93	0.93	0.93
9598	0.57	0.73	0.89	0.89	0.89	0.89
9599	0.54	0.61	0.82	0.99	0.99	0.99
9600	0.48	0.59	0.93	0.93	0.93	0.93
9601	0.57	0.96	0.96	0.96	0.96	0.96
9602	0.43	0.78	0.93	0.93	0.93	0.93
9603	0.58	0.78	0.78	0.78	0.78	0.78
9604	0.68	0.68	0.68	0.68	0.68	0.68
9605	0.61	0.61	0.61	0.61	0.61	0.61
9606	0.70	0.70	0.70	0.70	0.70	0.70
9607	0.76	0.76	0.76	0.76	0.76	0.76
9608	0.51	0.51	0.51	0.51	0.51	0.51
9609	0.45	0.45	0.45	0.45	0.45	0.45
9610	0.12	0.52	0.52	0.52	0.52	0.52
9611	0.10	0.47	0.47	0.47	0.47	0.47
9612	0.70	1.22	1.22	1.22	1.22	1.22
9613	1.05	1.24	1.24	1.24	1.24	1.24
9614	1.46	1.49	1.49	1.49	1.49	1.49
9615	1.37	1.39	1.39	1.39	1.39	1.39
9616	1.11	1.12	1.12	1.12	1.12	1.12
9617	1.09	1.11	1.11	1.11	1.11	1.11

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
9618	0.85	0.89	0.89	0.89	0.89	0.89
9619	0.60	0.70	0.70	0.70	0.70	0.70
9620	0.21	0.33	0.33	0.33	0.33	0.33
9621	0.19	0.33	0.33	0.33	0.33	0.33
9622	0.43	0.58	0.58	0.58	0.58	0.58
9623	0.72	0.80	0.80	0.80	0.80	0.80
9624	0.54	0.60	0.60	0.60	0.60	0.60
9625	0.51	0.61	0.61	0.61	0.61	0.61
9626	0.40	0.58	0.58	0.58	0.58	0.58
9627	0.28	0.66	0.66	0.66	0.66	0.66
9628	0.31	0.68	0.68	0.68	0.68	0.68
9629	0.32	0.63	0.65	0.65	0.65	0.65
9630	0.34	0.60	0.64	0.64	0.64	0.64
9631	0.37	0.68	0.68	0.68	0.68	0.68
9632	0.43	0.73	0.73	0.73	0.73	0.73
9633	0.44	0.69	0.79	0.79	0.79	0.79
9634	0.06	0.09	0.09	0.09	0.09	0.09
9635	0.65	1.04	1.04	1.04	1.04	1.04
9636	0.34	0.47	0.47	0.47	0.47	0.47
9637	0.35	0.47	0.47	0.47	0.47	0.47
9638	0.61	0.94	0.94	0.94	0.94	0.94
9639	0.47	0.73	0.82	0.82	0.82	0.82
9640	0.41	0.59	0.70	0.70	0.70	0.70
9641	0.46	0.60	0.70	0.70	0.70	0.70
9642	0.56	0.82	0.94	0.94	0.94	0.94
9643	0.46	0.57	0.69	0.69	0.69	0.69
9644	0.47	0.58	0.69	0.69	0.69	0.69
9645	0.49	0.66	0.71	0.71	0.71	0.71
9646	0.44	0.56	0.64	0.64	0.64	0.64
9647	0.89	1.16	1.26	1.26	1.26	1.26
9648	0.60	0.90	1.02	1.02	1.02	1.02
9649	0.69	0.96	1.11	1.11	1.11	1.11
9650	0.61	0.96	0.96	0.96	0.96	0.96
9651	0.12	0.75	0.75	0.75	0.75	0.75
9652	0.00	0.00	0.03	0.07	0.08	0.10
9653	0.00	0.00	0.04	0.07	0.09	0.11
9654	0.00	0.01	0.04	0.08	0.10	0.11
9655	0.00	0.02	0.06	0.09	0.10	0.11

Parcel	Acres Inundated					
	20yr	25yr	50yr	100yr	500yr	PMF
9656	0.00	0.01	0.03	0.07	0.09	0.10
9657	0.00	0.00	0.01	0.03	0.05	0.06
9658	0.00	0.00	0.00	0.03	0.05	0.06
9659	0.00	0.00	0.03	0.05	0.06	0.07
9660	0.00	0.00	0.02	0.06	0.07	0.08
9661	0.00	0.00	0.02	0.05	0.07	0.07
9662	0.00	0.00	0.01	0.03	0.04	0.06
9663	0.00	0.11	0.12	0.14	0.15	0.15
9664	0.00	0.57	0.63	0.63	0.63	0.63
9665	0.00	0.16	0.55	0.55	0.55	0.55
9666	0.00	0.26	0.57	0.57	0.57	0.57
9667	0.00	0.25	0.61	0.61	0.61	0.61
9668	0.00	1.14	1.46	1.46	1.46	1.46
9669	0.00	2.38	2.69	2.69	2.69	2.69
9670	0.00	2.01	2.01	2.01	2.01	2.01
9671	0.48	2.24	2.24	2.24	2.24	2.24
9672	1.98	2.73	2.73	2.73	2.73	2.73
9764	1.03	1.26	1.26	1.26	1.26	1.26
9993	2.22	5.39	5.39	5.39	5.39	5.39
9994	0.52	1.82	1.82	1.82	1.82	1.82
9995	1.35	1.35	1.35	1.35	1.35	1.35
9996	1.18	1.26	1.26	1.26	1.26	1.26
9997	0.78	1.05	1.05	1.05	1.05	1.05
9998	1.35	1.35	1.35	1.35	1.35	1.35
1097N	0.00	4.22	8.76	12.65	14.53	15.65
1097Y	0.00	11.17	16.59	18.11	18.33	18.33
1099N	15.74	25.39	25.39	25.39	25.39	25.39
1099X	16.60	50.76	50.76	50.76	50.76	50.76
1234H	21.86	33.02	35.70	35.70	35.70	35.70
1234I	13.06	22.58	26.60	26.60	26.60	26.60
1234J	0.93	6.42	6.42	6.42	6.42	6.42
1462A	0.00	0.00	0.07	0.40	0.41	0.41
1462B	0.00	0.00	0.01	0.08	0.08	0.08
1462C	0.00	0.00	0.00	0.01	0.01	0.01
1994N	0.00	0.01	0.02	0.02	0.02	0.02
1994X	0.00	1.15	134.15	144.19	144.19	144.19
253N	0.00	23.50	25.60	27.44	28.48	28.48

Table A4.

Parcel	Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN						
	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
15	0	13	4.5	-2	-4.5	-8	-4.5
16	0	13	4.5	-2	-4.5	-8	-4.5
17	0	13	4.5	-2	-4.5	-8	-4.5
18	0	13	4.5	-2	-4.5	-8	-4.5
19	0	13	4.5	-2	-4.5	-8	-4.5
20	0	13	4.5	-2	-4.5	-8	-4.5
21	0	13	4.5	-2	-4.5	-8	-4.5
22	0	13	4.5	-2	-4.5	-8	-4.5
23	0	13	4.5	-2	-4.5	-8	-4.5
24	0	13	4.5	-2	-4.5	-8	-4.5
25	0	13	4.5	-2	-4.5	-8	-4.5
26	0	11.5	10.5	11	-6.5	-14.5	-8.5
27	0	13	4.5	-2	-4.5	-8	-4.5
28	0	13	4.5	-2	-4.5	-8	-4.5
29	0	12.5	5.5	-1.5	-4	-14.5	-5
30	0	6	4.5	0	-1	-1	-2.5
31	0	6	4.5	0	-1	-1	-2.5
175	0	0	0	0	9.5	1	0
176	0	0	0	0	9.5	1	0
213	49	43.5	42	35	32	0.5	26.5
217	49	43.5	42	35	32	0.5	26.5
232	0	-1	2.5	0	-1	-0.5	-0.5
249	0.5	0	1.5	0	0	-1	0.5
250	0.5	0	1.5	0	0	-1	0.5
251	0	0.5	3.5	2	0.5	0	1
253	0	0	8	10.5	5	4.5	6
254	0	0	8	10.5	5	4.5	6
255	0	0	8	10.5	5	4.5	6
256	0	0	8	10.5	5	4.5	6
809	0	1	3	1	1	0	5
810	0	0.5	1	0	0	0	0
811	0	0.5	1	0	0	0	0
814	0	1	0.5	0	0	-0.5	0.5
815	0	1	0.5	0	0	-0.5	0.5
816	0	1.5	1	-4	-5	-18.5	-7
817	0	1.5	1	-4	-5	-18.5	-7
818	0	1.5	1	-4	-5	-18.5	-7
819	0	1.5	1	-4	-5	-18.5	-7
820	0	1.5	1	-4	-5	-18.5	-7
821	0	1.5	1	-4	-5	-18.5	-7
822	0	1.5	1	-4	-5	-18.5	-7
823	0	1.5	1	-4	-5	-18.5	-7
824	0	6	4.5	0	-1	-1	-2.5
825	0	6	4.5	0	-1	-1	-2.5
826	0	6	4.5	0	-1	-1	-2.5
827	0	6	4.5	0	-1	-1	-2.5
828	0	6	4.5	0	-1	-1	-2.5
829	0	6	4.5	0	-1	-1	-2.5
830	0.5	2	9.5	5	3.5	-9.5	1.5
831	0.5	2	9.5	5	3.5	-9.5	1.5
832	0.5	2	9.5	5	3.5	-9.5	1.5
833	0.5	2	9.5	5	3.5	-9.5	1.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
834	0.5	2	9.5	5	3.5	-9.5	1.5
835	0	-1	2.5	0	-1	-0.5	-0.5
836	0	-1	2.5	0	-1	-0.5	-0.5
837	0	-1	2.5	0	-1	-0.5	-0.5
838	0	-1	2.5	0	-1	-0.5	-0.5
839	0	-1	2.5	0	-1	-0.5	-0.5
840	0	1	1	0	0	-0.5	0.5
841	0	1	0	-0.5	0	-1	0.5
842	0	1	0	-0.5	0	-1	0.5
843	-1	-0.5	1	-2	-0.5	-1.5	17
844	3.5	0	1	0	0	-2	-1.5
845	3.5	0	1	0	0	-2	-1.5
846	-0.5	-0.5	1	-2	0	-1	17.5
847	-0.5	-0.5	1	-2	0	-1	17.5
848	0	-0.5	1	-1	-1	-2	1
849	0	0	1	0	0	-0.5	1
850	0	-3.5	3	1.5	0	-7.5	0
851	0	-3.5	3	1.5	0	-7.5	0
852	0	-3.5	3	1.5	0	-7.5	0
853	0	-3.5	3	1.5	0	-7.5	0
854	0	0	1.5	-0.5	-1	-0.5	0.5
855	0	0	1.5	-0.5	-1	-0.5	0.5
856	0	-1.5	1	-1.5	-2	-8.5	-1.5
857	-0.5	0.5	1	-0.5	0	0	0.5
858	-0.5	0.5	1	-0.5	0	0	0.5
859	0	0	1	0	-0.5	-0.5	0.5
860	0	0	1	0	-0.5	-0.5	0.5
861	0	0	1	-0.5	-0.5	-0.5	0
866	0	0	0	1.5	1	-0.5	0.5
867	0	0	0	1.5	1	-0.5	0.5
872	0	0	1.5	0.5	0	-0.5	0
873	0	0	1.5	0.5	0	-0.5	0
874	0	0	1.5	0.5	0	-0.5	0
875	0	0	1.5	0.5	0	-0.5	0
876	0	0	1.5	0.5	0	-0.5	0
877	0	6	4.5	0	-1	-1	-2.5
1075	0	11.5	10.5	11	-6.5	-14.5	-8.5
1076	0	11.5	10.5	11	-6.5	-14.5	-8.5
1077	0	11.5	10.5	11	-6.5	-14.5	-8.5
1078	0	11.5	10.5	11	-6.5	-14.5	-8.5
1079	0	11.5	10.5	11	-6.5	-14.5	-8.5
1082	0	11.5	10.5	11	-6.5	-14.5	-8.5
1083	0	13	4.5	-2	-4.5	-8	-4.5
1084	0	13	4.5	-2	-4.5	-8	-4.5
1085	0	13	4.5	-2	-4.5	-8	-4.5
1086	0	13	4.5	-2	-4.5	-8	-4.5
1087	49	43.5	42	35	32	0.5	26.5
1093	0	12	10.5	-2	-4.5	-16.5	-4.5
1094	0	12	10.5	-2	-4.5	-16.5	-4.5
1095	0	12	10.5	-2	-4.5	-16.5	-4.5
1096	0.5	2	9.5	5	3.5	-9.5	1.5
1098	0	12	10.5	-2	-4.5	-16.5	-4.5
1099	0.5	2	9.5	5	3.5	-9.5	1.5
1100	0	12.5	5.5	-1.5	-4	-14.5	-5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1101	0	12.5	5.5	-1.5	-4	-14.5	-5
1102	0	12.5	5.5	-1.5	-4	-14.5	-5
1103	0	12.5	5.5	-1.5	-4	-14.5	-5
1104	0	12.5	5.5	-1.5	-4	-14.5	-5
1105	0	12.5	5.5	-1.5	-4	-14.5	-5
1106	0	12.5	5.5	-1.5	-4	-14.5	-5
1107	0	12.5	5.5	-1.5	-4	-14.5	-5
1108	0	12.5	5.5	-1.5	-4	-14.5	-5
1109	0	12.5	5.5	-1.5	-4	-14.5	-5
1110	0	12.5	5.5	-1.5	-4	-14.5	-5
1112	0	12.5	5.5	-1.5	-4	-14.5	-5
1113	0	12.5	5.5	-1.5	-4	-14.5	-5
1116	-3.5	4	1	-3.5	-5.5	-13	-11
1117	-3.5	4	1	-3.5	-5.5	-13	-11
1118	-3.5	4	1	-3.5	-5.5	-13	-11
1119	-3.5	4	1	-3.5	-5.5	-13	-11
1122	-3.5	4	1	-3.5	-5.5	-13	-11
1124	-3.5	4	1	-3.5	-5.5	-13	-11
1126	-3.5	4	1	-3.5	-5.5	-13	-11
1127	-3.5	4	1	-3.5	-5.5	-13	-11
1128	-3.5	4	1	-3.5	-5.5	-13	-11
1129	-3.5	4	1	-3.5	-5.5	-13	-11
1130	-3.5	4	1	-3.5	-5.5	-13	-11
1131	-3.5	4	1	-3.5	-5.5	-13	-11
1233	-1	-0.5	1	-2	-0.5	-1.5	17
1235	0	0	1.5	-0.5	-1	-0.5	0.5
1237	0	0	0	0	0	0.5	3.5
1238	0	0	6	4.5	3.5	0	0.5
1239	0	0	0	0	7	1	1.5
1249	0	0.5	2.5	2	0.5	0	0
1250	0	0	0	0	8.5	-1.5	-0.5
1251	0	0.5	2.5	2	0.5	0	0
1252	0	0.5	2.5	2	0.5	0	0
1253	0	0	0	0	9.5	1.5	1.5
1254	0	0.5	2.5	2	0.5	0	0
1256	0	0	0	0	0	0.5	3.5
1257	0	0	0	0	8.5	-1.5	-0.5
1258	0	0	0	0	8.5	-1.5	-0.5
1259	0	0	0	0	7.5	0.5	3
1260	0	0	0	0	0	0.5	1.5
1261	0	0	0	-1	5	-1	-0.5
1262	0	0	0	-1	5	-1	-0.5
1263	0	0	0	-1	5	-1	-0.5
1265	0	0	0	0	0	0.5	1.5
1266	0	0	0	0	7	1	1.5
1267	0	0	0	-1	5	-1	-0.5
1268	0	0	0	-1	5	-1	-0.5
1269	0	0	0	-1	5	-1	-0.5
1276	0	0	0	0	7	-0.5	-0.5
1294	0	0	0	6	4	1	0
1297	0	0	0	0	7	-0.5	-0.5
1298	0	0	0	0	7	-0.5	-0.5
1299	0	0	0	0	7	-0.5	-0.5
1303	0	0.5	3	2.5	0.5	0	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1305	0	0.5	3	2.5	0.5	0	0
1306	0	0.5	3	2.5	0.5	0	0
1307	0	0	1.5	1	0	-0.5	0
1308	0	0	1.5	1	0	-0.5	0
1309	0	0	1.5	1	0	0	0
1310	0	0	1.5	1	0	0	0
1311	0	0	0	8	4	1	0
1312	0	0	1.5	1	0	-0.5	0
1313	0	0	0	0	7.5	0	0
1314	0	0	0	0	6	0.5	0.5
1315	0	0	2.5	2	0.5	0	0.5
1316	0	0	2.5	2	0.5	0	0.5
1317	0	0	0	0	7.5	0	0
1318	0	0	0	0	0	0	1
1320	0	0	1.5	1	0	0	0
1321	0	0.5	2.5	2	0.5	0	0.5
1324	0	0.5	1.5	1	0	0	0
1325	0	0.5	2.5	2	0.5	0	0.5
1328	0	0	1.5	1	0	0	0
1329	0.5	0	1.5	1	0	0	0
1330	0	0	1.5	1	0	0	0
1334	0	0	1.5	1	0	-0.5	0
1335	0.5	0	1.5	1	0	0	0
1336	0	0	0	0	4	0.5	0
1337	0	0	3	3.5	1	0	0
1338	0.5	0	1.5	1	0	0	0
1339	0	0	0	0	0	0	4
1342	0	0	0	6	4	1	0
1343	0	0	0	6	4	1	0
1344	0	0	0	6	4	1	0
1345	0	0	1.5	1	0	0	0
1347	0	0	3	3.5	1	0	0
1348	0	0	1.5	1	0	0	0
1349	0.5	0	1.5	1	0	0	0
1351	0.5	0	1.5	1	0	0	0
1352	0	0	3	3.5	1	0	0
1354	0	0	3	3.5	1	0	0
1355	0	0	1.5	1	0	0	0
1356	0	0	1.5	1	0	0	0
1357	0	0	1.5	1	0	0	0
1358	0	0	0	0	7.5	0.5	0
1360	0	0	3	3.5	1	0	0
1361	0	0	3	3.5	1	0	0
1362	0	0	3	3.5	1	0	0
1363	0	0	3	3.5	1	0	0
1366	0	0	1.5	2.5	1.5	0.5	0.5
1367	0	0	5.5	4	2.5	0.5	0
1368	0	0	5.5	4	2.5	0.5	0
1369	0	0	5.5	4	2.5	0.5	0
1370	0	0	5.5	4	2.5	0.5	0
1371	0	0	5.5	4	2.5	0.5	0
1375	0	0	0	5.5	4	1	-0.5
1402	0	0	0	8	10.5	1.5	1.5
1405	0	0	6	4.5	3.5	0	0.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1411	0	0	0	0	9.5	1.5	1.5
1412	0	0	0	0	9.5	1.5	1.5
1447	0	0	5.5	4	2.5	0.5	0
1450	0	0	0	8	10.5	2	1.5
1451	0	0	0	5.5	10	1.5	2
1452	0	0	0	0	10.5	1.5	2
1453	0	0	0	0	9.5	1.5	1.5
1455	0	0	0	0	0.5	0	0
1461	0	0	0	0	0.5	0	0
1463	0	0	0	0	0.5	0	0
1466	0	0	0	0	9.5	1.5	1.5
1468	0	0	0	0	0.5	0	0
1471	0	0	0	8	10.5	2	1.5
1473	0	0	7.5	5	3.5	1	0.5
1474	0	0	7.5	5	3.5	1	0.5
1475	0	0	0	8	10.5	1.5	1.5
1476	0	0	0	8	10.5	1.5	1.5
1477	0	0	0	8	10.5	1.5	1.5
1478	0	0	0	8	10.5	1.5	1.5
1479	0	0	0	8	10.5	1.5	1.5
1481	0	0	0	0	4.5	0	2
1485	0	0	6	4.5	3.5	0	0.5
1486	0	0	0	0	9.5	1.5	1.5
1491	0	0	0	0	0.5	0	0
1494	0	0	0	5.5	10	1.5	2
1496	0	0	0	8	10.5	2	1.5
1512	0	0	5.5	4	2.5	0.5	0
1513	0	0	5.5	4	2.5	0.5	0
1514	0	0	5.5	4	2.5	0.5	0
1515	0	0	5.5	4	2.5	0.5	0
1516	0	0	5.5	4	2.5	0.5	0
1517	0	0	5.5	4	2.5	0.5	0
1520	0	0	0	0	4	1	0
1523	0	0	0	5.5	4	1	-0.5
1524	0	0	0	5.5	4	1	-0.5
1541	0	0	0	2.5	4	-0.5	2.5
1542	0	0	0	7.5	5	1.5	-0.5
1543	0	0	3.5	3	1	0	0
1544	0	0	0	7.5	5	1.5	-0.5
1545	0	0	1.5	1.5	0	0	0
1548	0	0	1.5	1.5	0	0	0
1550	0	0	0	2.5	4	-0.5	2.5
1551	0	0	0	0	0	0	0
1554	0	0	0	0	0.5	0	0
1556	0	0	0	0	0.5	0	0
1566	0	0	0	0	0.5	0	0
1567	0	0	0	0	0.5	0	0
1568	0	0	0	0	0.5	0	0
1569	0	0	5.5	4	2.5	0.5	0
1570	0	0	5.5	4	2.5	0.5	0
1572	0	0	0	2.5	4	-0.5	2.5
1573	0	0	0	2.5	4	-0.5	2.5
1578	0	0	5.5	4	2.5	0.5	0
1580	0	0	5.5	4	2.5	0.5	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1581	0	0	1.5	1.5	0	0	0
1582	0	0	0	6	4	1	0
1583	0	0	0	6	4	1	0
1584	0	0	0	6	4	1	0
1585	0	0	0	0	9.5	1	0
1586	0	0	0	0	9	1	0.5
1587	0	0	3.5	3	1	0	0
1588	0	0	1.5	1.5	0	0	0
1589	0	0	0	0	9	1	0.5
1594	0	0	0	2.5	4	-0.5	2.5
1595	0	0	0	0	0	0	0
1596	0	0	1.5	1	0	0	0
1597	0	0	1.5	1	0	0	0
1599	0	0	3	3.5	1	0	0
1600	0	0	3.5	3	1	0	0
1604	0	0	6	4.5	3.5	0	0.5
1605	0	0	6	4.5	3.5	0	0.5
1606	0	0	6	4.5	3.5	0	0.5
1607	0	0	6	4.5	3.5	0	0.5
1608	0	0	6	4.5	3.5	0	0.5
1615	0	0.5	1.5	0.5	0	0	0
1616	0	0	1.5	2.5	1.5	0.5	0.5
1630	0	0.5	4	2.5	0.5	0	1
1633	0	0	8	7	5	1	0.5
1634	0	0	4	3.5	1	0	0.5
1635	0	0	1.5	0.5	0	-0.5	0
1638	0	0	8	10.5	5	4.5	6
1648	0	0.5	4	2.5	0.5	0	1
1650	0	0.5	4	2.5	0.5	0	1
1665	0	0	8	7	5	1	0.5
1670	0	0	7.5	5.5	4	0.5	0.5
1671	0	0	7.5	5.5	4	0.5	0.5
1672	0	0.5	2.5	1	0	-0.5	0
1673	0	0.5	2.5	1	0	-0.5	0
1674	0	0	0	8.5	7	2	0.5
1675	0	0	0	8.5	7	2	0.5
1678	0	0	8	6.5	4	1.5	0.5
1689	0	0	6	9.5	6	4	0
1690	0	1	4	2.5	1	-0.5	0.5
1777	0	0	4.5	4	1.5	0	1
1783	0	0	8	7	5	1	0.5
1785	0	0	4	3.5	1	0	0.5
1791	0	0	8	7	5	1	0.5
1792	0	0	8	7	5	1	0.5
1793	0	0	8	7	5	1	0.5
1794	0	0	0	0	9.5	1.5	5.5
1795	0	0	4	3.5	1	0	0.5
1796	0	0	8	7	5	1	0.5
1802	0	0	8	7	5	1	0.5
1803	0	0	0	0	11	1.5	4.5
1804	0	0	0	6.5	10	2	3.5
1805	0	0	0	6.5	10	2	3.5
1806	0	0	0	0	11	1.5	4.5
1812	0	0.5	2.5	1	0	-0.5	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1822	0	0	7.5	5.5	4	0.5	0.5
1824	0	0	0	0	0	0.5	5
1826	0	0	0	0	7.5	1	5
1827	0	0	0	0	0	0.5	5
1830	0	0	0	0	7.5	1	5
1833	0	0	7.5	5.5	4	0.5	0.5
1834	0	0.5	2.5	2	0.5	0	0
1835	0	0	2	1	0	-0.5	0
1836	0	0	8	6.5	4	2	1
1837	0	0.5	4	2.5	0.5	0	1
1838	0	0	2	1	0	-1	0.5
1840	0	0	8	6.5	4	1.5	0.5
1841	0	0.5	2.5	1.5	0	-0.5	0
1842	0	0	8	6.5	4	1.5	0.5
1845	0	0.5	4	2.5	0.5	0	1
1847	0	0.5	4	2.5	0.5	0	1
1850	0	0	8	10.5	5	4.5	6
1861	0	0	8	7	5	1	0.5
1868	0	0	0	8.5	10.5	2.5	4.5
1869	0	0	4.5	4	1.5	0	1
1876	0	0	8	6.5	4	1.5	0.5
1880	0	0	0	0	9.5	1.5	1.5
1881	0	-1	2.5	0	-1	-0.5	-0.5
1882	0	-1	2.5	0	-1	-0.5	-0.5
1883	0	0.5	1	0	0	0	0
1885	0	0.5	0.5	0	-0.5	0	0
1886	0	0	2.5	1	0	-0.5	0.5
1889	0	0	4	3.5	1	0	0.5
1890	0	0	0	8.5	7.5	1.5	0
1891	0.5	0	1.5	0.5	-0.5	-1	0
1892	0	0	0	0	9.5	1.5	1.5
1893	0	0	2	1	0	-0.5	0
1895	0.5	0	1.5	0.5	-0.5	-1	0
1896	0	0	2	1	0	-0.5	0
1897	0	0	2	1	0	-0.5	0
1898	0	0	1.5	0.5	0	-0.5	0
1899	0	0.5	3	2	0.5	-0.5	0
1901	0	-1	2.5	0	-1	-0.5	-0.5
1902	0	-1	2.5	0	-1	-0.5	-0.5
1903	0	-1	2.5	0	-1	-0.5	-0.5
1904	0	0.5	1	-0.5	0	-0.5	1
1905	0	0.5	1	-0.5	0	-0.5	1
1906	0	0.5	1	-0.5	0	-0.5	1
1907	0	0.5	1	0	0	-0.5	1
1908	0	0.5	1	0	0	-0.5	1
1909	0.5	2	9.5	5	3.5	-9.5	1.5
1910	0.5	2	9.5	5	3.5	-9.5	1.5
1911	0.5	2	9.5	5	3.5	-9.5	1.5
1912	0.5	2	9.5	5	3.5	-9.5	1.5
1913	0.5	2	9.5	5	3.5	-9.5	1.5
1914	0	0.5	1	0	0	-0.5	1
1915	0	0.5	1	-0.5	0	-0.5	1
1916	0	0.5	1	-0.5	0	-0.5	1
1917	0	1	0	-0.5	0	-1	0.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1918	0	1	0	-0.5	0	-1	0.5
1919	0	1	1	0	0	-0.5	0.5
1920	3.5	0	1	0	0	-2	-1.5
1921	-1	-0.5	1	-2	-0.5	-1.5	17
1922	-0.5	-0.5	1	-2	0	-1	17.5
1923	-0.5	-0.5	1	-2	0	-1	17.5
1924	-0.5	-0.5	1	-2	0	-1	17.5
1925	-0.5	-0.5	1	-2	0	-1	17.5
1926	-0.5	-0.5	1	-2	0	-1	17.5
1927	-0.5	-0.5	1	-2	0	-1	17.5
1929	0	-0.5	1	-0.5	-0.5	-2	13.5
1930	0	-0.5	1	-0.5	-0.5	-2	13.5
1932	0	-0.5	1	-0.5	-0.5	-2	13.5
1933	0.5	-0.5	1	-0.5	-0.5	-2	11.5
1934	0.5	-0.5	1	-0.5	-0.5	-2	11.5
1935	-0.5	-0.5	1	-2	0	-1	17.5
1938	0.5	-0.5	1	-0.5	-0.5	-2	11.5
1939	0.5	-0.5	1	-0.5	-0.5	-2	11.5
1940	0	-0.5	1	-0.5	-0.5	-2	13.5
1941	0	-0.5	1	-0.5	-0.5	-2	13.5
1942	0	1	0	-0.5	0	-1	0.5
1943	0	1	0	-0.5	0	-1	0.5
1944	0	-0.5	1	-1	-1	-2	1
1945	0	-0.5	1	-1	-1	-2	1
1946	0	1	0	-0.5	0	-1	0.5
1947	0	1	0	-0.5	0	-1	0.5
1948	0	1	0	-0.5	0	-1	0.5
1949	0	1	0	-0.5	0	-1	0.5
1950	0	1	0	-0.5	0	-1	0.5
1951	0	1	0	-0.5	0	-1	0.5
1952	0	-3.5	3	1.5	0	-7.5	0
1953	0	-3.5	3	1.5	0	-7.5	0
1954	0	0	1.5	-0.5	-1	-0.5	0.5
1955	0	-3.5	3	1.5	0	-7.5	0
1956	0	-3.5	3	1.5	0	-7.5	0
1957	0	-3.5	3	1.5	0	-7.5	0
1958	0	-3.5	3	1.5	0	-7.5	0
1959	0	-3.5	3	1.5	0	-7.5	0
1960	0	-3.5	3	1.5	0	-7.5	0
1961	0	0	1.5	-0.5	-1	-0.5	0.5
1962	0	0	1.5	-0.5	-1	-0.5	0.5
1963	0	0	1.5	-0.5	-1	-0.5	0.5
1964	0	0	1.5	-0.5	-1	-0.5	0.5
1965	0	1	1	-0.5	0	0	0
1966	0	1	1	-0.5	0	0	0
1967	0	1	1	-0.5	0	0	0
1968	0	1	1	-0.5	0	0	0
1969	0	1	1	-0.5	0	0	0
1970	0	0.5	0.5	0	-0.5	-0.5	1
1971	0	-1.5	1	-1.5	-2	-8.5	-1.5
1972	-0.5	0.5	1	-0.5	0	0	0.5
1973	0	-1.5	1	-1.5	-2	-8.5	-1.5
1974	-0.5	0.5	1	-0.5	0	0	0.5
1975	0	0	8.5	10.5	6.5	7	3.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1976	0	-0.5	2	-1	-0.5	-2	-0.5
1977	0	-0.5	2	-1	-0.5	-2	-0.5
1978	0	-0.5	2	-1	-0.5	-2	-0.5
1979	0	0	8.5	10.5	6.5	7	3.5
1989	0	0	1.5	0.5	0	-0.5	0
1990	0	0.5	2.5	1	-0.5	-1	0
1991	0	0	0	11	15	1	3.5
1992	0	0.5	2.5	1	-0.5	-1	0
1993	0	0	7.5	11	15	0.5	2
1994	0	0	7.5	11	15	0.5	2
1995	0	0	0	8.5	7.5	1.5	0
1996	0	0	7	10	12.5	4.5	7
1997	0	0	7	10	12.5	4.5	7
1998	0	0	0	5	5	-0.5	2.5
2000	0	0	0	5	5	-0.5	2.5
2001	0	0	7	10	12.5	4.5	7
2002	0	0	7	10	12.5	4.5	7
2003	0	0	1	-0.5	-0.5	-0.5	0
2004	0	0	1	0	-0.5	-0.5	0.5
2005	0	0	1	-0.5	-0.5	-0.5	0
2006	0	0	1	-0.5	-0.5	-0.5	0
2007	0	-0.5	2.5	0	-0.5	0	-0.5
2008	0	-0.5	2.5	0	-0.5	0	-0.5
2009	0	-0.5	2.5	0	-0.5	0	-0.5
2010	0	-0.5	2.5	0	-0.5	0	-0.5
2011	0	-0.5	2.5	0	-0.5	0	-0.5
2012	0	0	1	0	-0.5	-0.5	0
2013	0	0	1	-0.5	-0.5	-0.5	0
2014	0	0	1	0	-0.5	-0.5	0
2015	0	0	1	0	-0.5	-0.5	0
2016	0	0	1	0	-0.5	-0.5	0
2021	0	0	0	0	0	0.5	0
2022	0	0	0	0	0	0.5	0
2023	0	0	0	0	0	0.5	0
2024	0	0	0	0	0	0.5	0
2025	0	-0.5	1	0	-0.5	0	-0.5
2026	0	0	0	1.5	0.5	-1.5	0
2027	0	0	0	1.5	0.5	-1.5	0
2029	0	0	0	1.5	0.5	-1.5	0
2031	0	0	0	1.5	1	-0.5	0.5
2032	0	0	0	1.5	1	-0.5	0.5
2033	0	0	0	1.5	1	-0.5	0.5
2035	0	0	1	-0.5	-0.5	0	0
2036	0	-0.5	1	0	0	0	0
2039	0	0	0	8	11.5	4	14
2040	0	0	0	8	11.5	4	14
2041	0	0	0	8	11.5	4	14
2042	0	0	0	0.5	0	-1	0
2043	0	0	0	0.5	0	-1	0
2044	0	0	0	8	11.5	4	14
2045	0	0	0	8	11.5	4	14
2046	0	0	0	8	11.5	4	14
2047	0	0	0	8	11.5	4	14
2048	0	0	2	1	0	-0.5	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
2049	0	0	2	1	0	-0.5	0
2050	0	0	0	9	13	1.5	4.5
2051	0	0	0	9	13	1.5	4.5
2052	0	0	2	1	0	-0.5	0
2150	0	0	2	1	0	-0.5	0
2182	0	0	6	9.5	7	5.5	3
2183	0	0	0	8	11.5	4	14
2184	0	0	0	8	11.5	4	14
2185	0	-1	2.5	0	-1	-0.5	-0.5
2313	0	0.5	3.5	2.5	0.5	0	0.5
2358	0	0	0	0	0	0	0
2361	0	1	0	-0.5	0	-1	0.5
5001	0	11.5	10.5	11	-6.5	-14.5	-8.5
5002	0	12	10.5	-2	-4.5	-16.5	-4.5
5004	0	0	6.5	9.5	12	7.5	14
5009	0	0	6.5	9.5	12	7.5	14
5011	0	0	0	0	9	1.5	11
5012	0	0	6.5	9.5	12	7.5	14
5013	0	0	6.5	9.5	12	7.5	14
5014	0	0	0	0	9	1.5	11
5015	0	0	0	0	9	1.5	11
5016	0	0	0	0	9	1.5	11
5017	0	0	0	0	9	1.5	11
5018	0	0	0	0	9	1.5	11
5019	0	0	0	8.5	10.5	0	12.5
5020	0	0	0	8.5	10.5	0	12.5
5021	0	0	0	8.5	10.5	0	12.5
5022	0	0	0	8.5	10.5	0	12.5
5023	0	0	0	8.5	10.5	0	12.5
5025	0	0	0	0	9	1.5	11
5026	0	0	0	0	9	1.5	11
5027	0	0	0	8.5	10.5	0	12.5
5028	0	0	0	8.5	10.5	0	12.5
5029	0	0	0	8.5	10.5	0	12.5
5030	0	0	0	8.5	10.5	0	12.5
5032	0	0	0	0	9	0	11.5
5033	0	0	0	0	9	0	11.5
5034	0	0	0	0	9	0	11.5
5035	0	0	0	0	9	0	11.5
5036	0	0	0	0	9	0	11.5
5038	0	0	0	0	9	0	11.5
5055	0	0	6.5	9.5	12	7.5	14
5059	0	0	2	2.5	1	0	0
5061	0	0	7.5	5.5	4	0.5	0.5
5128	49	43.5	42	35	32	0.5	26.5
5129	0	13	4.5	-2	-4.5	-8	-4.5
5167	0	0	0	0	0	0	0
5168	0	0	0	0	0	0	0
5169	0	0	0	0	0	0	0
5170	0	0	0	0	0	0	0
5172	0	0	0	0	0	0	0
5173	0	0	0	0	0	0	0
5174	0	0	0	0	0	0	0
5176	0	0	0	0	0	0	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
5177	0	0	0	0	0	0	0
5178	0	0	0	0	0	0	0
5179	0	0	0	0	0.5	0	0
5180	0	0	0	0	0	0	0
5181	0	0	0	0	0	0	0
5182	0	0	0	0	0	0	0
5183	0	0	0	0	0.5	0	0
5184	0	0	0	0	0.5	0	0
5185	0	0	0	0	0	0	0
5186	0	0	0	0	0	0	0
5187	0	0	0.5	0.5	0	0	0
5188	0	0	0.5	0.5	0	0	0
5189	0	0	0.5	0.5	0	0	0
5190	0	0	0.5	0.5	0	0	0
5206	0	0	0	0	0	0	1
5207	0	0	0	0	0	0	1
5208	0	0	0	0	0	-36	1
5210	0	0	0	0	0	0	1
5279	0	0	0	0	0.5	0	0
7002	0	0	1.5	0.5	0	-0.5	0
7003	0	1.5	1	-4	-5	-18.5	-7
7004	0	0	1.5	-0.5	-1	-0.5	0.5
8359	-3.5	4	1	-3.5	-5.5	-13	-11
8360	0	0	0	1.5	1	-0.5	0.5
8385	0	12.5	5.5	-1.5	-4	-14.5	-5
8386	-3.5	4	1	-3.5	-5.5	-13	-11
8465	0	0	1.5	2.5	1.5	0.5	0.5
8466	0	0	1.5	2.5	1.5	0.5	0.5
8467	0	0	1.5	2.5	1.5	0.5	0.5
8468	0	0	1.5	2.5	1.5	0.5	0.5
8473	0	0	1.5	2.5	1.5	0.5	0.5
8475	0	0	1.5	2.5	1.5	0.5	0.5
8476	0	0	1.5	2.5	1.5	0.5	0.5
8517	0	-0.5	1	-0.5	-0.5	-2	13.5
8518	0	-0.5	1	-0.5	-0.5	-2	13.5
8527	0	0.5	2.5	2	0.5	0	0
8528	0	0.5	2.5	2	0.5	0	0
8687	0	0	0	0	0.5	0	0
8688	0	0	0	0	0.5	0	0
8689	0	0	0	0	0.5	0	0
8690	0	0	0	0	0.5	0	0
8691	0	0	0	0	0.5	0	0
8692	0	0	0	0	0.5	0	0
8693	0	0	0	0	0.5	0	0
8694	0	0	0	0	0.5	0	0
8695	0	0	0	5.5	4	1	-0.5
8696	0	0	0	5.5	4	1	-0.5
8697	0	0	0	0	0.5	0	0
8698	0	0	0	0	0.5	0	0
8699	0	0	0	0	0.5	0	0
8702	0	0	0	0	0.5	0	0
8703	0	0	0	0	0.5	0	0
8704	0	0	0	0	0.5	0	0
8705	0	0	0	0	0.5	0	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
8706	0	0	0	0	0.5	0	0
8707	0	0	0	0	0.5	0	0
8708	0	0	0	0	0.5	0	0
8709	0	0	0	0	0.5	0	0
8710	0	0	0	0	0.5	0	0
8711	0	0	0	0	0.5	0	0
8712	0	0	0	0	0.5	0	0
8714	0	0	0	0	0.5	0	0
8715	0	0	0	0	0.5	0	0
8716	0	0	0	0	0.5	0	0
8717	0	0	0	0	0.5	0	0
8727	0	0	5.5	4	2.5	0.5	0
8728	0	0	5.5	4	2.5	0.5	0
8729	0	0	5.5	4	2.5	0.5	0
8772	0	0	0	0	4	1	0
8773	0	0	0	0	4	1	0
8775	0	0	0	5.5	4	1	-0.5
8779	0	0	1.5	0.5	0	0	0
8780	0	0	1.5	0.5	0	0	0
8781	0	0	1.5	0.5	0	0	0
8782	0	0	0	0	2	0	0
8783	0	0	1.5	0.5	0	0	0
8784	0	0	1.5	0.5	0	0	0
8786	0	0	2	2.5	1	0	0
8788	0	0	0	0	2.5	1	0.5
8789	0	0	2	2	0	0	0.5
8790	0	0	0	0	0	0.5	0
8791	0	0	0	0	2.5	1	0.5
8792	0	0	0	0	2.5	1	0.5
8793	0	0	0	0	2.5	1	0.5
8794	0	0	0	0	2.5	1	0.5
8795	0	0	0	0	2.5	1	0.5
8796	0	0	0	0	2.5	1	0.5
8797	0	0.5	1.5	1	0	0	0
8798	0	0.5	1.5	0.5	0	0	0
8799	0	0.5	2.5	2	0.5	0	0.5
8801	0	0	2	1.5	0	0.5	0.5
8802	0	0	2	1.5	0	0.5	0.5
8803	0	0	2	1.5	0	0.5	0.5
8806	0	0	2	1.5	0	0.5	0.5
8807	0	0	2	1.5	0	0.5	0.5
8808	0	0	2	1.5	0	0.5	0.5
8809	0	0	2	1.5	0	0.5	0.5
8810	0	0	2	1.5	0	0.5	0.5
8812	0	0	2	1.5	0	0.5	0.5
8813	0	0	2	1.5	0	0.5	0.5
8814	0	0	2	1.5	0	0.5	0.5
8816	0	0	2	1.5	0	0.5	0.5
8817	0	0	2	1.5	0	0.5	0.5
8818	0	0	2	1.5	0	0.5	0.5
8819	0	0	2	1.5	0	0.5	0.5
8820	0	0	2	1.5	0	0.5	0.5
8821	0	0	2	1.5	0	0.5	0.5
8822	0	0	2	1.5	0	0.5	0.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
8823	0	0	2	1.5	0	0.5	0.5
8825	0	0	2	1.5	0	0.5	0.5
8826	0	0	2	1.5	0	0.5	0.5
8827	0	0	2	1.5	0	0.5	0.5
8828	0	0	2	1.5	0	0.5	0.5
8829	0	0	2	1.5	0	0.5	0.5
8830	0	0	2	1.5	0	0.5	0.5
8831	0	0	2	1.5	0	0.5	0.5
8834	0	0	2	1.5	0	0.5	0.5
8835	0	0	2	1.5	0	0.5	0.5
8836	0	0	2	1.5	0	0.5	0.5
8856	0	0	8.5	10.5	6.5	7	3.5
8857	0	0	8.5	10.5	6.5	7	3.5
8919	0	1	3	0.5	0.5	-1	5
8920	0	1	1	0	0	-0.5	0.5
8922	0	-0.5	4.5	2	0	-4	-1
8923	0	-0.5	4.5	2	0	-4	-1
9047	0	0	1.5	0.5	0	-0.5	0
9049	0	0.5	2	0.5	0	0	0
9050	0	0.5	3.5	2.5	0.5	0	0.5
9051	0	0	7.5	6.5	4	1	0.5
9054	0	0	6.5	9.5	12	7.5	14
9055	0	0	6.5	9.5	12	7.5	14
9056	0	0	6.5	9.5	12	7.5	14
9112	0	0	2	2.5	1	0	0
9115	0	0	0	2.5	3	0.5	0.5
9116	0	0	0	0	0	0.5	0
9120	0	0	0	0	0	0.5	0
9153	0	0	1.5	1	0	-0.5	0
9157	0	0	0	0	4	0.5	0
9162	0	0	0	8	11.5	4	14
9163	0	0	0	8	11.5	4	14
9164	0	0	0	8	11.5	4	14
9165	0	0	0	8	11.5	4	14
9169	0	1	3.5	2	0.5	0	1
9170	0	0	2.5	1	0	-0.5	0.5
9179	0	0.5	1.5	1	0	0	0
9191	-4.5	-1	0.5	-2.5	-0.5	-2	15.5
9220	0	0	0	1.5	0.5	-1.5	0
9226	0	0	0	1.5	0.5	-1.5	0
9227	0	0	0	1.5	0.5	-1.5	0
9228	0	0	0	1.5	0.5	-1.5	0
9229	0	0	0	1.5	0.5	-1.5	0
9230	0	0	0	1.5	0.5	-1.5	0
9231	0	0	0	5	5	-0.5	2.5
9232	0	0	0	5	5	-0.5	2.5
9233	0	0	0	8.5	10.5	2.5	4.5
9234	0	0.5	2	0.5	0	0	0
9235	0	0	6	4.5	3.5	0	0.5
9236	0	0	6	4.5	3.5	0	0.5
9237	0	0	6	4.5	3.5	0	0.5
9248	0	0	0	0	9.5	1	0
9249	0	0	6	4.5	3.5	0	0.5
9251	0	0	6	4.5	3.5	0	0.5

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
9252	0	0	6	4.5	3.5	0	0.5
9253	0	0	6	4.5	3.5	0	0.5
9254	0	0	6	4.5	3.5	0	0.5
9255	0	0	6	4.5	3.5	0	0.5
9256	0	0	6	4.5	3.5	0	0.5
9257	0	0	0	0	9.5	1	0
9258	0	0	0	6	4	1	0
9332	-4	-1.5	0.5	-3	-1	-2.5	13.5
9337	-4	-1.5	0.5	-3	-1	-2.5	13.5
9347	0	1	3	0.5	0.5	-1	5
9348	0	1	3	1	1	0	5
9349	0	1	3	0.5	0.5	-1	5
9352	-4	-1.5	0.5	-3	-1	-2.5	13.5
9359	0	1	3	0.5	0.5	-1	5
9363	0	1	3	0.5	0.5	-1	5
9381	0	4.5	4	2.5	1	0	1.5
9382	0	4.5	4	2.5	1	0	1.5
9383	0	4.5	4	2.5	1	0	1.5
9384	0	4.5	4	2.5	1	0	1.5
9385	0	4.5	4	2.5	1	0	1.5
9386	0	4.5	4	2.5	1	0	1.5
9387	0	4.5	4	2.5	1	0	1.5
9388	0	4.5	4	2.5	1	0	1.5
9397	0	4.5	4	2.5	1	0	1.5
9401	0	4.5	4	2.5	1	0	1.5
9403	0	1	3	0.5	0.5	-1	5
9404	0	1	3	0.5	0.5	-1	5
9411	0	1	3	0.5	0.5	-1	5
9412	0	1	3	0.5	0.5	-1	5
9416	0	0.5	0.5	0	-0.5	0	0
9417	0	0	8	6	4	2	1
9419	0	0	8	6	4	2	1
9420	0	0	8	6	4	2	1
9421	0	0	1.5	0.5	0	-0.5	0
9422	0	0	8	6	4	2	1
9423	0	0.5	1	0	0	0	0
9424	0	0.5	1	0	0	0	0
9425	0	0	1.5	0.5	0	-0.5	0
9426	0	0	1.5	0.5	0	-0.5	0
9427	0	0	1.5	0.5	0	-0.5	0
9428	0	0	1.5	0.5	0	-0.5	0
9429	0	0	1.5	0.5	0	-0.5	0
9430	0	0	1.5	0.5	0	-0.5	0
9431	0	0	1.5	0.5	0	-0.5	0
9432	0	0.5	1	0	0	0	0
9433	0	0.5	1	0	0	0	0
9434	0	0.5	1	0	0	0	0
9435	0	0	1.5	0.5	0	-0.5	0
9436	0	0.5	1	0	0	0	0
9437	0	0	1.5	0.5	0	-0.5	0
9438	0	0	1.5	0.5	0	-0.5	0
9439	0	0.5	1	0	0	0	0
9440	0	0.5	1	0	0	0	0
9462	0	0.5	0.5	0	-0.5	0	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
9502	0	0.5	3.5	2.5	0.5	0	0.5
9503	0	0.5	3.5	2.5	0.5	0	0.5
9504	0	0.5	3.5	2.5	0.5	0	0.5
9505	0	0.5	3.5	2.5	0.5	0	0.5
9506	0	0.5	3.5	2.5	0.5	0	0.5
9507	0	0.5	3.5	2.5	0.5	0	0.5
9508	0	0.5	3.5	2.5	0.5	0	0.5
9509	0	0.5	3.5	2.5	0.5	0	0.5
9510	0	0.5	3.5	2.5	0.5	0	0.5
9511	0	0.5	3.5	2.5	0.5	0	0.5
9591	0	0.5	3.5	2.5	0.5	0	0.5
9592	0	0.5	3.5	2.5	0.5	0	0.5
9593	0	0.5	3.5	2.5	0.5	0	0.5
9594	0	0.5	3.5	2.5	0.5	0	0.5
9595	0	0.5	3.5	2.5	0.5	0	0.5
9596	0	0	7.5	6.5	4	1	0.5
9597	0	0	7.5	6.5	4	1	0.5
9598	0	0	7.5	6.5	4	1	0.5
9599	0	0	7.5	6.5	4	1	0.5
9600	0	0	7.5	6.5	4	1	0.5
9601	0	0.5	3.5	2.5	0.5	0	0.5
9602	0	0	7.5	6.5	4	1	0.5
9603	0	0	7.5	6.5	4	1	0.5
9604	0	0	7.5	6.5	4	1	0.5
9605	0	0	7.5	6.5	4	1	0.5
9606	0	0	7.5	6.5	4	1	0.5
9607	0	0	7.5	6.5	4	1	0.5
9608	0	0.5	2	0.5	0	0	0
9609	0	0.5	2	0.5	0	0	0
9610	0	0.5	2	0.5	0	0	0
9611	0	0.5	3.5	2.5	0.5	0	0.5
9612	0	0.5	3.5	2.5	0.5	0	0.5
9613	0	0.5	3.5	2.5	0.5	0	0.5
9614	0	0.5	3.5	2.5	0.5	0	0.5
9615	0	0.5	3.5	2.5	0.5	0	0.5
9616	0	0.5	3.5	2.5	0.5	0	0.5
9617	0	0.5	3.5	2.5	0.5	0	0.5
9618	0	0.5	3.5	2.5	0.5	0	0.5
9619	0	0.5	3.5	2.5	0.5	0	0.5
9620	0	0.5	3.5	2.5	0.5	0	0.5
9621	0	0.5	3.5	2.5	0.5	0	0.5
9622	0	0.5	3.5	2.5	0.5	0	0.5
9623	0	0.5	3.5	2.5	0.5	0	0.5
9624	0	0.5	3.5	2.5	0.5	0	0.5
9625	0	0.5	3.5	2.5	0.5	0	0.5
9626	0	0.5	3.5	2.5	0.5	0	0.5
9627	0	0.5	3.5	2.5	0.5	0	0.5
9628	0	0.5	3.5	2.5	0.5	0	0.5
9629	0	0.5	3.5	2.5	0.5	0	0.5
9630	0	0.5	3.5	2.5	0.5	0	0.5
9631	0	0.5	3.5	2.5	0.5	0	0.5
9632	0	0.5	3.5	2.5	0.5	0	0.5
9633	0	0.5	3.5	2.5	0.5	0	0.5
9634	0	0	2	1	0	-0.5	0

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
9635	0	0	2	1	0	-0.5	0
9636	0	0	2	1	0	-0.5	0
9637	0	0	2	1	0	-0.5	0
9638	0	0	2	1	0	-0.5	0
9639	0	0	2	1	0	-0.5	0
9640	0	0	2	1	0	-0.5	0
9641	0	0	2	1	0	-0.5	0
9642	0	0	2	1	0	-0.5	0
9643	0	0	2	1	0	-0.5	0
9644	0	0	2	1	0	-0.5	0
9645	0	0	2	1	0	-0.5	0
9646	0	0	2	1	0	-0.5	0
9647	0	0	2	1	0	-0.5	0
9648	0	0	2	1	0	-0.5	0
9649	0	0	2	1	0	-0.5	0
9650	0	0	2	1	0	-0.5	0
9651	0	0	2	1	0	-0.5	0
9652	0	0	2	1	0	-0.5	0
9653	0	0	2	1	0	-0.5	0
9654	0	0	2	1	0	-0.5	0
9655	0	0	2	1	0	-0.5	0
9656	0	0	2	1	0	-0.5	0
9657	0	0	2	1	0	-0.5	0
9658	0	0	2	1	0	-0.5	0
9659	0	0	2	1	0	-0.5	0
9660	0	0	2	1	0	-0.5	0
9661	0	0	2	1	0	-0.5	0
9662	0	0	2	1	0	-0.5	0
9663	0	0	7	10	5	2.5	-4
9664	0	0	7	10	5	2.5	-4
9665	0	0	7	10	5	2.5	-4
9666	0	0	7	10	5	2.5	-4
9667	0	0	7	10	5	2.5	-4
9668	0	0	7	10	5	2.5	-4
9669	0	0	7	10	5	2.5	-4
9670	0	0	7	10	5	2.5	-4
9671	0	0	2	1	0	-0.5	0
9672	0	0	2	1	0	-0.5	0
9764	0	0.5	3.5	2.5	0.5	0	0.5
9993	-0.5	-0.5	1	-2	0	-1	17.5
9994	-0.5	-0.5	1	-2	0	-1	17.5
9995	0	0.5	1	0	0	0	0
9996	0	0.5	1	0	0	0	0
9997	0	0.5	1	0	0	0	0
9998	0	0.5	1	0	0	0	0
1099N	0.5	2	9.5	5	3.5	-9.5	1.5
1099X	0	12	10.5	-2	-4.5	-16.5	-4.5
1234H	0.5	2	9.5	5	3.5	-9.5	1.5
1234I	3.5	0	1	0	0	-2	-1.5
1234J	-0.5	-0.5	1	-2	0	-1	17.5
1462A	0	0	0	0	0.5	0	0
1462B	0	0	0	0	0.5	0	0
1462C	0	0	0	0	0.5	0	0
1994N	0	0	7.5	11	15	0.5	2

Difference in Total Days (Diversion less Existing Conditions) NO DRYDOWN							
Parcel	20Yr	25Yr	50yr	100yr	2009	PMF	500Yr
1994X	0	0	7.5	11	15	0.5	2
253N	0	0	8	10.5	5	4.5	6