

Readjustment of Appraisal of Benefits

Final Report

Prepared For:



Submitted By:



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Executive Summary

Jack Faucett Associates, Inc. (JFA) and Stantec, Inc. are working with the Hunter’s Run Conservancy District (HRCD) to develop recommendations for maintenance and improvement in structural and non-structural flood control measures within the Hocking River Watershed District Boundary. As part of this effort, HRCD retained JFA and Stantec to conduct a reappraisal of project benefits of the selected HRCD maintenance and operations plans.

This report describes the methodology and data applied for the Hunter’s Run Conservancy District (HRCD) *Readjustment of Appraisal of Benefits* project. The analysis is prepared in accordance with the Ohio Revised Code (ORC) Section 6101.54 *Readjustment of appraisal of benefits*, and Section 6101.53 *Conservancy maintenance assessment*. The project will use a two-phased approach to evaluating benefits. The study will use a watershed-wide (Upper Hocking and Hunter’s Run) approach.

This report presents the project's findings of Phase I and Phase II, a *Readjustment of Appraisal of Benefits* study evaluating flood control improvements in the HRCD. Phase I focused on Operating Expenses and Benefit estimation. Phase II added a planned 20-year capital spending plan with new capital investments, including a schedule for the readjustment of benefits using the Work Plan Amendment.

Stantec developed estimates for the opinion of probable costs for two scenarios. The project scenarios and a brief description of each are:

Scenario A – As Built and Maintained. The current HRCD system is maintained at its current efficiency level, including new required capital.

Scenario B – This scenario simulates the likely flood events that would occur if the HRCD system were not in place.

Exhibit ES-0-1: Flood Reduction Scenario Program Elements

| Program | Scenario A | Scenario B |
|------------------|---------------------|--------------------------------|
| Program Elements | Current HRCD System | No System for Flood Mitigation |

JFA developed the estimates of the program benefits for each scenario and calculated the net benefits and benefit-cost ratios. The methods and individual calculations are described in the chapters of this report. The total benefits and costs are provided in Exhibit ES- 2. The estimated benefits of maintaining the HRCD at the current level of efficiency exceed the estimated costs.

Exhibit ES- 0-2: Structure and Contents Benefits of HRCD Maintenance (2021\$, Thousands)

| | Structures | Contents | Total |
|--------------|------------------------------------|----------|-------|
| | Damage Avoided, \$ 2021, Thousands | | |
| Total | \$264 | \$123 | \$396 |

The fourth column of Exhibit ES-3 shows the net benefits (benefits minus costs) for continuing system maintenance.

Exhibit ES0-3: Other Benefits of HRCO Maintenance (2021\$, Thousands)

| | Motor Vehicles | Other Categories | Total |
|------|------------------------------------|------------------|---------|
| Year | Damage Avoided, \$ 2021, Thousands | | |
| | \$98 | \$1,144 | \$1,242 |

The individual benefit categories described in the report and in Exhibit ES—4 provide the present value of each over the expected 50-year program analysis period. Present value indicates how much a future sum of money is worth today, given a specified rate of return. Since the Benefit-Cost Ratio is greater than one, continued system maintenance is justified economically and eligible to proceed for stakeholder consideration according to Ohio law.

Exhibit ES-0-4: Present Value Benefits and Costs (2021\$, Thousands)

| Scenario | Benefits | O&M Plus Capital Costs | Net Benefits | Benefit Cost Ratio |
|-------------------------|----------|---------------------------|--------------|-----------------------|
| Maintain HRCO System | \$1,639 | \$569 | \$1,070 | 2.88 |

Appendix A presents the net present value of benefits and costs for an assumed fifty-year project life. Appendix B provides the Stantec Engineering memos, including HRCO – Readjustment of Appraisal of Benefits – Budget Memo and Appendix C, H&H Tech Memo.

The HRCO is seeking to readjust its appraisal of benefits per the Ohio Revised Code (ORC) Section 6101.54 for a maintenance assessment under ORC 6101.53. Stantec Consulting Services Inc. provided engineering consulting services to HRCO to support the development of a revised assessment record. Stantec documented the analysis in the stand-alone Assessment Methodology Memo dated March 28, 2024. The Assessment Methodology Memo describes the approach HRCO took to develop direct and indirect assessment rates for parcels within the District based on land use class and appraised building values. The parcels’ land use and appraised building values were extracted from the Fairfield County Auditor’s Computer Assisted Mass Appraisal (CAMA) database (Fairfield County, 2024). In summary, the annual total assessment values for the District will be \$251,993 for Direct Beneficiaries and \$454,331 for Indirect Assessments. This results in a total annual assessment value of \$706,324 for the HRCO.

Respectfully Submitted,



Michael F. Lawrence, President



1: Introduction

Jack Faucett Associates, Inc. (JFA) and Stantec, Inc. are working with the Hunter’s Run Conservancy District (HRCD) to develop recommendations for maintenance in structural and non-structural flood control measures within the Upper Hocking River and Hunter’s Run Watershed District Boundary. As part of this effort, HRCD retained JFA and Stantec to conduct a reappraisal of project benefits from full maintenance of the existing HRCD flood mitigation system.

Organization of the Report

This report contains seven chapters. Chapter 1, the introductory chapter, describes the project background and a brief HRCD history. Chapter 2, Methodology, enumerates the tasks included in realizing the project and the literature examined by JFA. It also provides a general overview of benefit-cost analysis (BCA) and describes the types of benefits included. Chapter 3 describes the fully maintained HRCD program costs of the existing flood mitigation system. Chapter 4 reviews the benefit of reduced structural damage to residences and businesses due to the proposed program alternatives. Chapter 5 covers lessened damages to motor vehicles. Chapter 6 reports the other benefit categories, including reduced road closures, the benefits of lowered costs associated with emergency responses and debris removal, the benefit of avoiding administrative costs for the National Flood Insurance Program, the estimated costs of reduced business sales and wage losses, agricultural losses that may be mitigated by the program’s flood protection and environmental impacts. The final chapter summarizes the key results of the Benefit-Cost Analysis (BCA).

Background and Flood History

The City of Lancaster is located in Fairfield County in the State of Ohio. Fairfield County is part of the Columbus, Ohio, Metropolitan Statistical Area. According to the U.S. Census Bureau, as of 2022, Fairfield County had a population of 162,898, with 40,763 residing in the county seat of Lancaster. The city encompasses approximately 3,900 households. The Census reports 2730 business establishments within Fairfield County.

The Hunter’s Run Conservancy District has a boundary covering 49 square miles. The District Boundary is described in the original Articles of Incorporation filed with the secretary of state on March 27, 1952. The District includes the Hunter’s Run Watershed as delineated by the United States Geological Survey (USGS) and the Upper Hocking Watershed delineated by the USGS and adopted in the 1954 amended work plan. As part of the revised work plan, an additional benefitting area was added to the west of Memorial Drive and South Broad Street, bounded on the south by Spring Street and to the west adjoining the Hunter’s Run Watershed boundary.

The HRCD was established to act as the local sponsor to implement the work plan prepared by the U.S. Department of Agriculture - Soil Conservation Service (SCS). The amended work plan proposed constructing the current HRCD system, including twenty-eight dams constructed by the SCS (Now USDA- Natural Resources Conservation Service (NRCS)) between 1954 and 1960. Each of these structures is operated and maintained by the HRCD. These structures provide benefits to property owners in the District Boundary and to residents of Fairfield County. The primary benefit is the reduction in peak flow from the upper areas of the Hunter's Run and Upper Hocking River Watershed District Boundary, which in turn, reduces the risk of flooding downstream property and infrastructure. [Figure 1](#) shows the HRCD district boundary and locations of the flood/sedimentation control structures.

The HRCD is seeking to readjust its appraisal of benefits per the Ohio Revised Code (ORC) Section 6101.54 for the maintenance assessments under ORC 6101.53. Stantec Consulting Services Inc. (Stantec) provides engineering consulting services to Jack Faucett Associates, Inc. (JFA), who was hired by HRCD to support its reappraisal of benefits assessment. Part of Stantec's scope included a flood risk assessment, utilizing existing hydrologic and hydraulic (H&H) models, to develop comparative water surface elevations (pre- and post-construction of the flood control structures) for multiple flood recurrence intervals. This technical memorandum documents the H&H analysis and results. A second Stantec memorandum on the historic and forward-going HRCD budget is also provided. These memoranda are contained in Appendix B and C of this report for reference and are utilized in the body of the report.

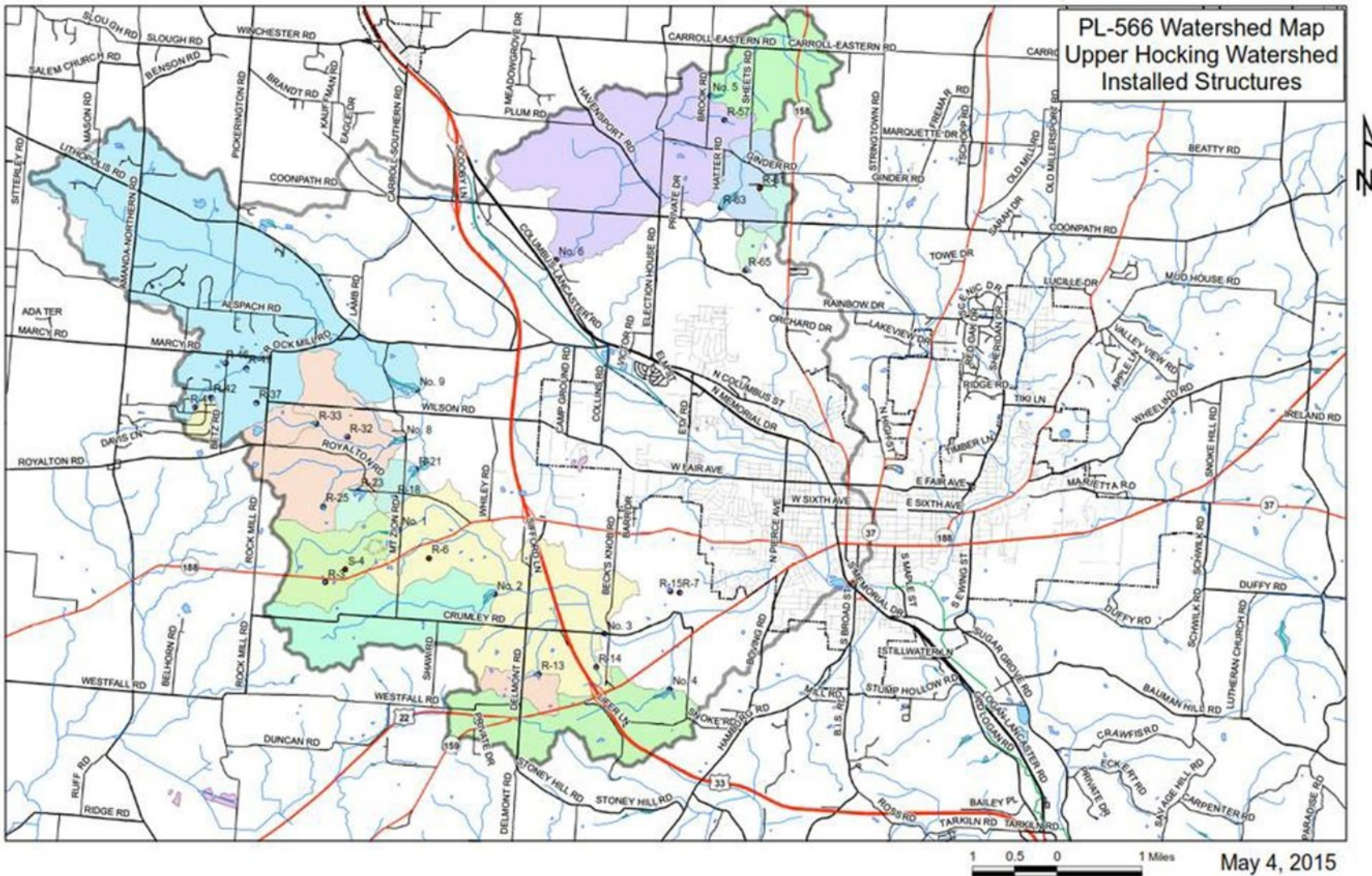


Figure 1: Hunter's Run Conservancy District Boundary (Bold Gray Outline)

Benefit-Cost Analysis

The application of benefit-cost analysis (BCA) has a long-standing history in the region to augment community information and inform local decision-making. Historically, the Ohio Conservancy Law (Section 6101 of the Ohio Revised Code), passed in 1914, gave the State authority to establish conservancy districts to raise funds for improvements through various funding mechanisms.¹ The law was passed in response to the Great Flood of 1913 in Ohio, considered the greatest natural disaster in the state's history. The flooding and aftermath claimed more than 500 lives. The law, also known as the Vonderheide Act, allows flood-prone regions to create plans for projects to mitigate future flooding and manage water conservation.

Benefit-cost analysis can determine if the potential benefit of the project outweighs the expenses of the project. A benefit-cost ratio (BCR) is determined by dividing the present value of total estimated economic benefits by the present value of estimated costs of the recommended improvements. The BCR indicates which project alternatives produce the most benefits for each dollar of cost. Projects with high BCRs produce the most efficiency per dollar invested. The ratio of benefits to costs must exceed 1.0 to be considered for advancement under Ohio Conservancy Law. The rationale and methodology of BCA are explained further in subsequent chapters of this report.

Project Description and Rationale

Government officials and concerned citizens initiated the HRCD Flood Control System to protect the community after the 1948 flash flood devastated the community. Multiple scenarios were developed to explore how to reduce the impact of future floods. All the dams were completed by 1961. The HRCD originally consisted of eight flood control dams and twenty-two sediment control structures. Two of those sediment control structures have been removed from the HRCD's operation.

The well-maintained HRCD flood control system has been effective in protecting the community from a repeat of the 1948 disaster. Today, HRCD is planning for the future with an aggressive system maintenance and rehabilitation plan that will extend the system's protective life. In addition, new capital investment is needed to continue the level of protection the community has come to expect from the aging HRCD system.

This reappraisal of benefits is focused on the value of maintaining the current system to the high standard that has protected the community for more than the past half-century.

¹ http://www.ohiohistorycentral.org/w/Ohio_Conservancy_Law

Traditional reappraisals of benefits are based on past flooding events and the losses that could be experienced by not having effective flood mitigation measures in place in the future. In this evaluation, the existing well-maintained HRCD system continues to protect the community as it was designed. This evaluation considers the value of maintaining the system at its current effectiveness. The alternative is to suspend or greatly curtail system maintenance, eventually severely derogating or eliminating the existing protection.



2: Methodology

Chapter 2 describes the methodology used to evaluate the economic efficiency of the proposed maintenance of the existing HRCD system. It provides background on conducting a benefit-cost analysis (BCA), explains the “base case,” or “no action,” condition in a BCA, expands on the types of benefits measured, and explains the concepts of “net present value” and “discounting” in this type of the analysis.

Fundamentals of Benefit-Cost Analysis

This section briefly overviews the essentials of benefit-cost analysis (BCA). BCA is an economic technique for evaluating what is achieved (benefits) compared to what is invested (costs). It analyzes whether the value of benefits exceeds the value of the costs. This allows decision makers to allocate resources efficiently.

BCA can assist decision-makers in selecting the best alternative by monetizing benefits and costs. The first comparison in BCA is to calculate the net benefits by subtracting economic costs from total economic benefits. This allows the analysis to scale a range of alternatives for comparison. The second comparison calculates the benefit-cost ratio (BCR) by dividing the present value of total economic benefits by the present value of total economic costs. The ratio allows for ranking or comparing different projects by informing which alternative produces the most benefits for every dollar cost (total benefits/total costs). A (BCR) of one or greater (1.0) indicates the total benefits equal to or exceed the total costs. For each dollar of cost, at least a dollar of benefit accrues. If the ratio is less than one (1), the total costs exceed the total benefits. This indicates a poor investment of resources.

For projects such as flood risk management, decision-makers can compare and prioritize projects from across the nation and regionally. Projects with higher BCRs are preferred, and the BCR becomes a factor by which projects are authorized to move from conceptual planning to detailed design and implementation. Under the current program, with the efforts being led by the HRCD to maintain the system efficiency, the Program Team is utilizing the BCA to examine the costs and benefits of the recommended Maintenance Program from a regional perspective. Exhibit 2-1 provides some useful applications of BCA.

Exhibit 2-1: Useful Applications of Benefit-Cost Analyses

Useful Applications of Benefit Cost Analyses

A BCA considers the changes in benefits and costs that a project would cause by a potential improvement to the status quo protection. In flood mitigation, decision-makers may use BCA to help determine the following:

- **Whether or not a project should be undertaken at all** - (i.e., whether the project's life-cycle benefits will exceed its costs)
- **When a project should be undertaken** - A BCA may reveal that the project does not pass economic muster now but would be worth pursuing 10 years from now due to projected regional growth. If so, it may be prudent to take steps now to preserve the future project's footprint.
- **Which among many competing alternatives and projects should be funded given a limited budget** - A BCA can be used to select from among design alternatives that yield different benefits
- **After project implementation** - BCA can evaluate current project performance or evaluate implemented projects to verify BCA ratios for future project performance measurement

Comparison of benefits to costs over the life of a project is not a simple issue of adding up the benefits. This is because the value of the dollar changes with time. A dollar an entity spends or earns in the future is usually worth less than it is today. To compare multiyear projects, one must account for the dollar's changing value. Two factors account for the diminishing value of the dollar with time. These two factors are inflation and the time value of resources. BCA compares projects in real or base year dollars, with the effects of inflation removed. The process measures the time value of resources by the annual percentage factor known as the discount rate. Through discounting, decision-makers can objectively compare different investment alternatives based on their respective current values.

The USACE developed a series of manuals describing how to evaluate the urban benefits of water resource implementation projects. The general guidance within these manuals applies to national and regional analyses. JFA followed the guidance of these manuals in reviewing the current BCA. As described below, it used these USACE-derived procedures to estimate the Regional Economic Development (RED) benefits and costs of the recommended water resource projects.^{2 3} Exhibit 2-2 provides the major steps in the BCA process.

² USACE, Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies, 1983

³ Planning Guidance Notebook" (Engineering Record No. 1105-2-100).

The objective of the following sections is to discuss, in greater detail, several methodological issues and procedures applied in this review. These areas include defining the base case condition, project alternatives, Regional Economic Development (RED) measures, and analysis methodology.

Base Case Condition (“Without Project Alternative”)

An important aspect of benefit-cost analysis is the selection of a base case (i.e., a “without-project condition” or “no action condition”). This study compares maintaining the current HRCF Flood Risk Reduction Program and the expected annual damages if the system were not in place. According to the USACE’s Planning Guidance Notebook, the without-project condition is defined as “... *the most likely condition expected to exist in the future in the absence of a proposed water resources project. Proper definition and forecast of the future without project conditions are critical to the success of the planning process. The future without-project condition constitutes the benchmark against which plans are evaluated.*”⁴

Definition of NED and RED Benefits

The USACE defines National Economic Development (NED) benefits as benefits that accrue to the nation as a whole: “*Beneficial effects in the NED account are increases in the economic value of the national output of goods and services from a plan.*”⁵ The methodology employed by the USACE recognizes NED benefits as only those impacts that would be lost to the nation in the absence of the project. In addition, USACE recognizes improvements in efficiency, such as reductions in the nation’s overall flood protection bill, as NED benefits.

The USACE defines Regional Economic Development (RED) benefits as benefits that accrue at the regional level. According to the USACE Principles and Guidelines, “*The RED account registers changes in the distribution of regional economic activity that result from each alternative plan.*”⁶

Exhibit 2-2: Major Steps in the Benefit Cost Analysis Process

1. Establish objectives.
2. Identify constraints and specify assumptions.
3. Define the base case and identify alternatives.
4. Set the analysis period.
5. Define the level of effort for screening alternatives.
6. Develop base case damage estimate.
7. Estimate benefits and costs relative to base case.
8. Evaluate risks.
9. Compare net benefits and rank alternatives.
10. Make recommendations.

⁴ USACE. 2000. “Planning Guidance Notebook.” (Engineering Record No. 1105-2-100, Section 2-4.b.(1). <http://www.usace.army.mil/publications/eng-regs/er1105-2-100/>

⁵ USACE. 1983. “Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies.” p.8, Section 1.7.1. (b).

⁶ Ibid. p. 11, Section 1.7.4. (a)(1).

Definition of the RED Area

According to the USACE Principles and Guidelines, *“The regions used for RED analysis are those regions within which the plan will have particularly significant income and employment effects.”*

⁷ For this study, Fairfield County in the state of Ohio is the core of the RED area.

Benefit-Cost and Net Present Value Analysis

To determine whether an investment is justifiable under the Ohio Revised Code, the project sponsor performs a Benefit-Cost Analysis (BCA) that quantifies the benefits and costs. The analysis can analyze benefit and cost quantities in many ways, such as total benefits minus total costs (i.e., net present value analysis) or benefits divided by costs (i.e., Benefit-Cost Ratio). In this case, the net present value of the costs is based upon estimated O&M and capital costs provided by Stantec in consultation with the HRCB board. Costs and benefits are estimated in 2021 dollars. However, to be meaningful, a BCA must not only express all benefits and costs in monetary terms but also account for the change in the dollar's value over time.

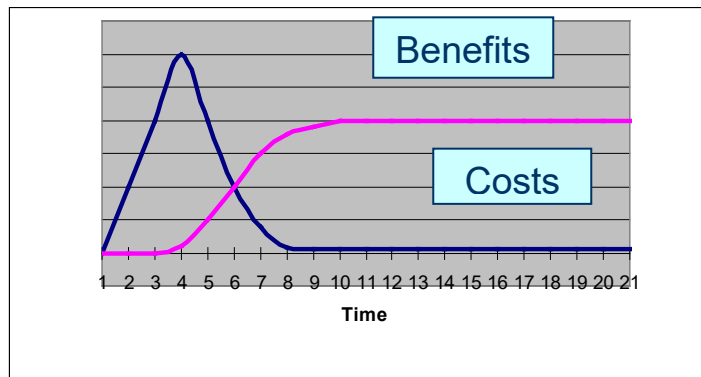
The value of a dollar changes not only with inflation but also because today's dollar is worth more than a dollar available in future years. For example, a single dollar available today would be worth more than one single dollar in five years because it could be invested and earn interest for five years. An economic concept called “net present value” accounts for the impact of time on the value of money and discounts the future value of a dollar. An appropriate discount rate can be used to calculate the “present value” of any sum of resources or money to be spent or received in the future. The discount rate for costs and benefits applied here is from the annual US Office of Management and Budget (OMB) publication, *Discount Rates for Cost-Effectiveness, Lease Purchase, and Related Analyses*⁸, which applies to long-lived infrastructure investments. Applying the discount rate to future sums to calculate their present value is known as “discounting.” Through discounting, different investment alternatives can be objectively compared based on their respective present values, even though each has a different stream of future benefits and costs. This concept of net present value is important because the timing of costs and benefits of a flood risk reduction program are often different.

A frequent observation in public infrastructure projects is that costs accrue both immediately and over time, while benefits accrue over time after most costs accrue. Exhibits 2-3 show typical project benefits and cost flows. Costs, as considered by an engineer, for example, inflate over time to reflect generally accepted increases in the costs for goods and services. This provides an estimate of the cash that will be necessary to complete a project. However, as considered in economics, benefits are discounted as they move into the future. Net present value provides the common ground against which the analysis considers costs and benefits.

⁷ USACE. 1983. “Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies.” p. 11, 1.7.4.(a)(2).

⁸ 2023 Discount Rates for OMB Circular No. A-94, Office of Management and Budget, February 17, 2023

Exhibit 2-3: Sample Project Costs and Benefit Streams



Most major infrastructure projects use a period of analysis of 50 to 100 years.⁹ However, there is no specific criterion for selecting a period of analysis. A period of 50 years has been utilized to develop this BCA.

A Benefit-Cost Ratio (BCR) greater than one (1) indicates the anticipated net present value of benefits derived because the proposed improvements will exceed the estimated net present value of costs and that the investment is anticipated to provide positive value to the community. A ratio of less than one (1) indicates that the anticipated benefits exceed the estimated costs and would require further study or innovative strategies to justify the project.

Economic Analysis Methodology

Developing a flood risk reduction program BCA involves several steps. The initial step in the economic analysis methodology is estimating the program costs and benefits. Once the engineers have analyzed the causes of flooding and developed alternative mitigation strategies, a cost will be calculated for implementing the strategy or strategies.

Program benefits are changes in value to the output of goods and services expressed in monetary units. Economic benefits are those that accrue in the planning area and the rest of the nation from the selected program. Benefits typically include flood damage avoided in commercial and residential buildings, vehicles, transportation, utilities, equipment, roads, bridges, crops, and others. Exhibit 2-4 provides an example of how the BCA weighs benefits and costs against each other.

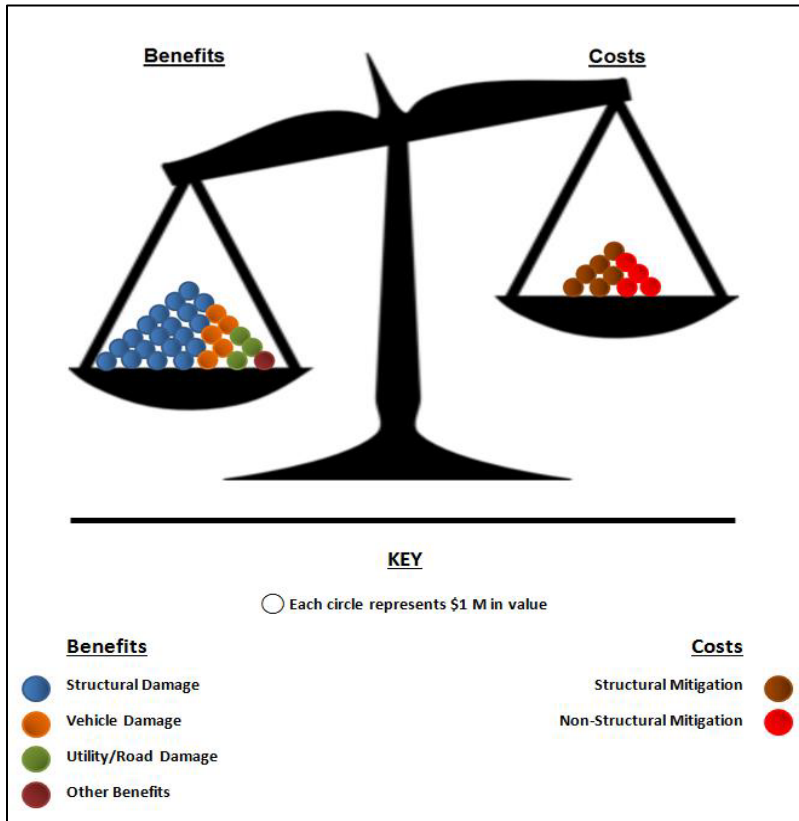
In many cases, the largest and most common single category of loss from natural disasters is flood damage, in terms of damages to property, injury, and the loss of human life.^{10 11} Many of

⁹ USACE, National Economic Development Procedures Manual, Urban Flood Damage. IWR Report 88-R-2. March 1988

¹⁰ <https://www.nationalgeographic.com/environment/natural-disasters/floods/>. Accessed April 2022.

these losses can be reduced or prevented with proper planning and engineered solutions. A flood damage reduction plan includes one or more of the measures identified by the engineers. Each one of these measures has some effect on one or more of the three input relationships to the hydro-economic model used to estimate expected annual damages (EAD). The effects of damage reduction measures on the various EAD relationships are what provide the monetized benefits of flood risk reduction.

Exhibit 2-4: Example of Benefits versus Costs in Flood Mitigation BCA (Hypothetical)



A stage damage function (i.e., depth damage or damage function) shows the relationship between the water depth and the amount of damage sustained at that depth. Contents, structure, business loss, transportation losses, and other physical and economic damage categories may separate damages. The effectiveness of any plan in reducing these various categories of damage will vary from measure to measure and plan to plan. It is generally the economist's job to estimate a damage function without and with a plan in place and then to estimate a new one for every plan that may alter the damage function.

¹¹ FEMA. National Flood Insurance Program. <https://www.floodsmart.gov/> Accessed April 2022.

A stage-discharge function (i.e., the rating curve) shows the relationship between the amount of water (discharge or flow) and the stage or depth it reaches in the floodplain reach. A reach is a continuous extent of water, especially a stretch of river between two bends. Some flood damage reduction measures will alter the stage-discharge relationship. A levee or floodwall for example may cause a given amount of water to attain a greater depth, causing the rating curve or a part of it to shift upward.

The discharge-exceedance frequency function (i.e., the flow-frequency or frequency curve) shows the relationship between a flow of water (discharge) and the frequency with which a flow of that amount or a greater amount will occur in any given year. Some flood damage measures alter this relationship. Ordinarily, a given flow or discharge will become less frequent, thereby reducing damage. It is generally the engineer's job to estimate discharge-exceedance frequency relationships without a plan in place and then to estimate new functions for every plan that may alter the discharge-exceedance frequency function.

Channel modifications can affect the discharge-exceedance frequency function as well as the rating curve. In many cases, the modifications will increase velocity in the improved section but downstream, where no improvements have been made, there may be a greater discharge and an increase in its frequency.

The analysis proceeds with inventorying all structures and land use within the identified floodplain. Structural damage costs for the without program and with the program were estimated using the USACE Hydrologic Engineering Center Flood Damage Analysis (HEC-FDA) Economic model. The analysis follows the framework and methodology as directed by the *HEC-FDA Flood Damage Reduction Analysis User's Manual (April 2016)*. The content damage, including motor vehicles, is also estimated by applying the HEC-FDA model to the structure inventory and the water surface profiles without the program compared to the project scenarios. The difference between the without and with program damages is the damage avoided for the major categories of benefits. Other benefit categories included in this report include:

- Transportation Impacts
- Emergency Response Costs
- NFIP Administration Impacts
- Business Losses
- Business Cleanup Costs
- Business Emergency Preparation Costs
- Agricultural Losses
- Environment Impacts

For each benefit category, the study team utilized existing data and tools to estimate the EAD as was done with the HEC-FDA model. The absence of recent damaging flood events due to the high level of maintenance of the existing HRCD system led to the use of Benefit Transfer Techniques for the other benefits category. This process identifies damage rates from local

flooding events experienced in similar communities and applies those rates to Fairfield County for the floods that would be predicted if the HRCD system were not maintained to ensure the current level of flood protection in Fairfield County.

3: Operating Costs

This chapter presents the estimates for the HRCD Baseline Operating Budget. This baseline operating budget is expected to maintain the level of protection that the community has experienced from the well-maintained HRCD system.

HRCD Baseline Operating Budget

Stantec first developed a baseline operating budget for the district based on past HRCD expenses. Lindel Jackson, Board of Directors President for HRCD, provided 2020 and 2021 actual annual District expenditures on June 27th, 2022. On December 14th, 2022, the expenses incurred through the end of November 2022, and forecasted for December 2022, were provided to Stantec by Mr. Jackson. Table 1 summarizes those costs.

Exhibit 3-1: 2020 through 2022 Actual Expenditures for HRCD

| | 2020 | 2021 | *2022 |
|----------------------------------|------------------|------------------|------------------|
| Payroll | | | |
| Payroll / Benefits / BWC / etc. | \$25,106 | \$27,783 | \$33,514 |
| SUBTOTAL | \$25,106 | \$27,783 | \$33,514 |
| Expenses | | | |
| Insurance | \$4,125 | \$3,749 | \$5,073 |
| Legal Fees | \$6,853 | \$5,750 | \$4,305 |
| State Audit | \$0 | \$574 | \$0 |
| Director Expenses | \$0 | \$773 | \$0 |
| Mileage/Travel | \$1,199 | \$808 | \$263 |
| ODNR Dam Inspection Fee | \$7,656 | \$7,560 | \$7,560 |
| Loan Payment Fairfield County | \$0 | \$0 | \$20,000 |
| Bank Service Fee | \$24 | \$0 | \$0 |
| Phone Service | \$0 | \$0 | \$1,849 |
| SUBTOTAL | \$19,857 | \$19,214 | \$39,049 |
| Services | | | |
| Vegetation Services | \$65,957 | \$41,406 | \$46,574 |
| Maintenance Contracts | \$20,892 | \$31,158 | \$2,538 |
| Consultant Contract | \$50,674 | \$16,524 | \$25,604 |
| Other Contracts | \$3,699 | \$1,511 | \$0 |
| Matching Funds | \$0 | \$66,500 | \$0 |
| SUBTOTAL | \$141,222 | \$157,098 | \$74,715 |
| Supplies / Incidentals | | | |
| Fuel | \$3,565 | \$5,174 | \$6,832 |
| Administration / Office Supplies | \$1,807 | \$1,732 | \$1,703 |
| Equipment Repairs | \$3,980 | \$82 | \$457 |
| Materials and Supplies | \$2,784 | \$3,748 | \$4,532 |
| Miscellaneous | \$509 | \$600 | \$447 |
| SUBTOTAL | \$12,643 | \$11,337 | \$13,971 |
| Equipment Purchases | | | |
| Truck and Accessories | \$0 | \$21,984 | \$0 |
| SUBTOTAL | \$0 | \$21,984 | \$0 |
| TOTAL | \$198,827 | \$237,415 | \$161,249 |

*December 2022 is forecasted

HRCD Future Operating Budget

Based on past expenditures, projected potential operating expenses for five years from 2023 to 2027 were developed in coordination with HRCD. Two Stantec engineers, Mr. Jackson with the HRCD and Jonathan Ferbrache of the Fairfield Soil and Water Conservation District, participated in a call on December 16, 2022, to discuss the proposed spending plan and additional operating cost assumptions to be made. Stantec performed no additional analyses or research to verify these expenditures independent of HRCD. Table 2 summarizes the projected baseline operating budget for 2023 through 2027 based on the December 16, 2022 call. Following the call, Mr. Jackson provided Stantec with the 2023 HRCD proposed budget, which generally aligned with the discussion that took place on December 16, 2022.

Exhibit 3-2: Hunter’s Run Actual Spend (2020-2022), with 2023-2027 Operating Expenses Projected

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Payroll | \$25,106 | \$27,783 | \$33,514 | \$51,900 | \$176,099 | \$183,143 | \$188,638 | \$188,638 |
| Expenses | \$19,857 | \$19,214 | \$39,049 | \$45,700 | \$71,554 | \$34,376 | \$35,407 | \$35,407 |
| Services | \$141,222 | \$157,098 | \$74,715 | \$166,100 | \$271,500 | \$282,360 | \$290,831 | \$290,831 |
| Supplies / Incidentals | \$12,643 | \$11,337 | \$13,971 | \$20,050 | \$22,903 | \$23,819 | \$24,533 | \$24,533 |
| Equip. Purchases | \$0 | \$21,984 | \$0 | \$0 | \$8,000 | \$8,000 | \$8,000 | \$8,000 |
| Operating Expenses | \$198,827 | \$237,415 | \$161,249 | \$283,750 | \$550,056 | \$531,698 | \$547,409 | \$547,409 |

Assumptions made for the future operating budget include:

Overall

- 2023 projected expenses are generally increased by 5% to calculate 2024 expenses.
- 2024 projected expenses are generally increased by 4% to calculate 2025 expenses.
- 2025 projected expenses are generally increased by 3% to calculate 2026 expenses.
- 2027 projected expenses are equal to 2026 expenses.

Payroll

- One additional staff member will be hired in 2024. Based on past ratios, benefits and payroll taxes will increase.

Expenses

- Legal fees are increased beginning in 2024 to account for the assessment process.
- State audits occur every five years, with the next audit occurring in 2024.
- Fairfield County loan (2022-2024) will be paid off after 2024.
- The board of appraisers will be compensated in 2024 and 2025.

Services

- Vegetation maintenance increases begin in 2024.
- Mailings / PR will increase beginning in 2023.

-
- Consultant / Other Maintenance contracts to begin in 2023.
 - No dredging activities are planned currently.

Equipment Purchases

- The budget for a truck will be saved starting in 2024 and will continue for seven years.

Future Capital Costs

In addition to the baseline operating and maintenance expenditure projections, future capital projects will be necessary for the HRCD system to maintain its current level of protection. We understand that the HRCD has been coordinating with the NRCS and Ohio DNR to develop a plan for addressing deficiencies and deferred maintenance for the 28 dams in the HRCD Work Plan. In a letter from NRCS dated May 12, 2023, the following plan was noted:

The HRCD Work Plan amendment expects to release the following structures over the next 20 years if reasonable agreements can be reached with landowners (in numeric order): S-4, R-3, R-7, R-13, R-14, R-15, R-25, R-33, R-37, R-47, R-57, and R-65.

The HRCD Work Plan will retain and modernize the following structures over the next 30 years (in numeric order): Structures #1, #2, #3 (assuming land rights are addressed), #4, #5, #6, #9, R-18, R-21, R-41, R-42, R-46 (unless Bloom Township will receive it), R-61 (until R-63 spillway is addressed), and R-63.

The HRCD Work Plan will continue to maintain compliance with active O&M agreements with NRCS (in numeric order): Structures #8 and R-23

Implementing this plan will require capital spending at each of the 28 facilities. For the facilities to be “released” or turned over to landowners, nominal costs for small repairs and engineering/legal services were assumed. For the other facilities, the HRCD provided the results of studies and analyses performed by others to inform the capital costs. Stantec did not perform independent cost estimating or attempt to verify the accuracy or applicability of the estimates provided by HRCD or other third parties.

For Dams No. 5, R-18, R-21, R-61, and R-63, “Flood Study and Alternatives Analysis” reports from Hull & Associates, LLC (now Verdantas) were provided by HRCD. A separate report for each dam was provided. The reports presented estimates of the current condition, capacity, and downstream hazard potential of the structure and evaluated alternatives and/or risk reduction measures to continue safe operation of the structure or to decommission the structure. The following assumptions were made based on reviews of the reports and discussions with HRCD:

Dam No. 5: Assumed implementation of Alternative 5B, which includes replacement of the principal spillway pipe.

R-18: Assumed implementation of Alternative 5B, which includes replacing the principal spillway pipe and dredging the basin.

R-21: Assumed implementation of Alternative 5B, including replacing the principal spillway pipe.

R-61: Assumed implementation of Alternative 5B which includes replacement of the principal spillway pipe. This Alternative 5B solution and cost from the R-61 report was also applied to dams R-23, R-41, R-42, and R-46.

R-63: Assumed implementation of both Alternative 1A to widen the emergency spillway and Alternative 5B which includes replacement of the principal spillway pipe.

A draft alternatives screening analysis was performed by the NRCS for Dam No. 4. Results of the screening analysis were provided to Stantec in the draft document titled, "Screening_HRCD4.pdf". This document lists seven alternatives for Dam No. 4 with certain screening criteria such as Completeness, Effectiveness, Efficiency (cost), and Acceptability. Based on this document, HRCD indicated that Alternative 1, which includes raising the dam and armoring the auxiliary spillway, with a cost of \$2 Million, should be assumed. HRCD further recommended that major modifications with an estimated value of \$2 Million also be planned for Dam Nos. 1, 2, 3, and 9 as they are comparable structures.

In addition to the planned capital projects discussed above, HRCD recommended the inclusion of additional dam rehabilitation costs to account for the repair or replacement of existing concrete structures at Dams Nos. 4, 5, 6, 9, 12, and R-63. Mr. Ferbrache provided additional directions via email on December 28th, 2022, to account for these costs.

These capital costs are anticipated to require funding of \$750,000 per year for the next 20 years or \$15 million. Fortunately, funds to support the rehabilitation of the almost 70-year-old HRCD system are available from state and federal grant programs. These grant programs offered by FEMA, NRCS, and others require the local authority, in this case HRCD, to provide a level of matching funds to receive the grant funding. The level of funding match is set by the grant agency. To qualify for these grant funds, the HRCD will establish a fund to demonstrate the immediate availability of matching funds needed to qualify for the grant program. HRCD will set aside \$250,000 each year for the next twenty years for this purpose. For each dollar of local funding available for matching, HRCD expects to have three dollars available to address the pressing system rehabilitation needs.

Appendix A summarizes the expected capital cost expenditure by HRCD over the next 20 years with a total estimated cost of \$5,000,000 with an additional \$10,000,000 provided by grant programs. Over the 50-year project evaluation period, the total HRCD cost is \$33,238,267 with a net present value (NPR) of cost of \$28,440,922 or \$568,818 NPV per year in 2021 dollars.

4: Structure/Content Damages

Damages to structure, contents, and automobiles account for any damages that result from a flood event. These categories provide the foundation for the economic evaluation of the alternatives. Flood risk reduction projects are developed with these damages in mind; the goal of plan formulation is to minimize these flood impacts in a way that is consistent with protecting the environment and quality of life in our communities. The USACE Hydrologic Engineering Center's Flood Damage Analysis (HEC-FDA) software was used in this BCA to estimate damages to structures, contents, and automobiles for without-dams and with-dams alternatives of the Fairfield Ohio *Hunter's Run Conservatory District*.

The structure inventory developed for the HEC-FDA analysis comprises all residential and nonresidential structures within the planning model's up to a 0.2% Annual Chance Exceedance (ACE) (500-year) event floodplain and additional structures located in areas that could potentially experience induced flooding identified by project engineers. The structure inventory used for this 2023 analysis was developed by JFA and Stantec based on County Appraiser Office records and Light Detection and Ranging (LiDAR) data collected in 2007 for the County.

Rationale and Justification for Inclusion

Among the physical damage categories identified by the USACE are the savings of structure and contents from flood damage. According to the Corps, most benefits from flood damage reduction projects come from the reduction of inundation damages.¹² The loss of contents may include furnishings and equipment, decorations, raw materials, and processed materials, among others. The damages are calculated individually for residential, commercial, industrial, agricultural, and public/other properties. Outside property damage can also be significant, including sheds, garages, and other small buildings – structures that may be particularly vulnerable to collapse or being washed away in a flood. Guidance from the Corps states that the value of electrical or mechanical equipment in residential garages damaged by flooding should also be recorded.

Damages play a significant role in studies designed for flood mitigation decisions. Regardless of the scope of the study at hand, the Corps states:

“...accurate estimates of damages to residential and commercial structures and their contents are essential in establishing the feasibility and optimal choice of engineering plans designed to alleviate the effects of flooding. The relationship between the depth of flooding and the severity of damage to structures and their contents is an integral part of the methodology used to estimate the economic benefits associated with floodplain modifications.”¹³

¹² Institute for Water Resource, USACE. National Economic Development Procedures Manual – Urban Flood Damage. IWR Report 88-R-2, March 1988.

¹³ USACE. Final Report: Depth-Damage Relationships for Structures, Contents, and Vehicles and Content-To-Structure Value Ratios (CSV) In Support of The Donaldsonville To The Gulf, Louisiana, Feasibility Study. March 2006.

This project follows the Corps' guidance in determining the benefits derived by removing structures from the floodplain. These benefits are then used in the benefit-cost analysis according to accepted Corps practice, which is consistent with the Ohio Revised Code. Modern depth damage curves, such as those incorporated in the CORP HEC/FDA model, include, in a single curve, the structure and content damage based on the level of inundation.

Structure Inventory Overview

The structure inventory developed and refined for the analysis contains 2589 structures: 2240 residential (86.5%), 271 commercial (10.5%), 54 public (2.1%), 17 agriculture (0.7%), and seven industrial (0.3%). Exhibit 4-1 shows this structure breakdown.

Exhibit 4-1: Fairfield County Structure Inventory

| Structure Type | Damage Category | Structure Count | Percent of Total |
|----------------|-----------------|-----------------|------------------|
| Agriculture | AG | 17 | 0.7% |
| Industrial | IND | 7 | 0.3% |
| Commercial | COM | 271 | 10.5% |
| Public/Other | P&O | 54 | 2.1% |
| Residential | RES | 2240 | 86.5% |
| Total | | 2589 | 100% |

Residential structures comprise most of the structures in the inventory. Exhibit 4-2 provides a summary of the types of residential structures that exist in the study area. Of the 2240 residential structures included in the analysis, 1359 are single-family houses multi-story without basements (60.7%), 576 are single family one story without basements (25.7%), 190 are multi-family multi-story without basements (8.5%), 74 are single family multi-story with basements (3.3%), 41 are single family one story with basements (1.8%).

Exhibit 4-2: Residential Structures by Type

| Key | |
|---------------|----|
| One Story | OS |
| Single-Family | SF |
| No Basement | NB |

| Residence Type | Count | Percent of Total |
|----------------|-------------|------------------|
| RES-SF | 74 | 3.3% |
| RES-NB | 190 | 8.5% |
| RES-SFOS | 41 | 1.8% |
| RES-SFNB | 1359 | 60.7% |
| RES-SFOSNB | 576 | 25.7% |
| Total | 2240 | 100% |

The structure inventory includes specific building attributes for each structure, including a unique structure name, parcel ID, latitude/longitude, structure type, structure/content value, stream, bank side on which the structure is located, approximate stream station location, depth damage function (DDF), first-floor elevation (FFE), and ground elevation. The Structure Location Stantec determined came from structure locations using a Geographic Information System (GIS) polygon data layer provided by Fairfield County. The polygons represent building footprints across the county and contain ParcelID numbers, which allow for cross-referencing with Fairfield County Auditor data. Stantec selected structures within a 500-foot buffer of the hydraulic model’s (without-dam) 0.2% ACE (500-year) event floodplain.

Structures less than 500 square feet were eliminated from the inventory to focus the analysis on primary structures, not sheds, garages, or other ancillary buildings. In certain cases, smaller structures were included if they were the only building on a parcel. Stantec added new building polygons and assigned property ID numbers to account for new home construction within the 500-year event extent.

Stantec assigned structures to either Hunter’s Run Watershed or Hocking River Watershed District Boundary based on the distance from the stream to determine flood hazard impacts. Buildings near the confluence of the two streams that may be affected by flooding from either are assigned to the Hocking River Watershed District Boundary. Stantec also assigned specific hydraulic model cross-sections to match each structure to a stream’s water surface elevations based on the hydraulic model. Assigned stations are the closest point where the structure is perpendicular to the stream.

Structure Elevation

Stantec determined building footprint elevations for each structure using a 1.25-foot Digital Elevation Model (DEM) created by the Ohio Geographically Referenced Information Program (OGRIP). The DEM is derived from Light Detection and Ranging (LiDAR) collected in 2007 by OGRIP. Based on the LiDAR information, Stantec added DEM surface elevations to the building polygon

layer. The lowest and highest elevation associated with each structure footprint was added to the structure inventory.

Most structures have no significant variation between the lowest and highest elevations at each building footprint. Stantec reviewed certain structures where the elevation difference was significant and updated the structure inventory with recommended changes on a case-by-case basis. For the remainder of the structures, Stantec recommended that JFA use the average of the lowest and highest elevations to calculate the adjacent ground elevations for the building structures. JFA then increased the ground elevation by a set amount depending on the structure type to estimate the height of the first-floor elevation (FFE) relative to the ground.

HEC-FDA was used to estimate the damage to structures, contents, and automobiles. The HEC-FDA program compiles data generated from the hydraulic analyses, as well as the structure inventory and associated data described above. The hydraulic components used in this analysis included the water surface profiles for each stream for each of the eight analyzed exceedance probability flood events: 20% (5-year), 10% (10-year), 4% (25-year), 2% (50-year), 1% (100-year), 0.5% (200-year), 0.4% (250-year), and 0.2% (500-year) ACE flood events. These compiled data are a series of probabilistic curves defining relationships between flood stage, frequency of occurrence, and flood stage and damages. These relationships are used to generate a curve relating the probability of occurrence and total damages, the integration of which provides the EAD.

Structure Value

Fairfield County tax assessors provided value data for residential and non-residential structures in the study area. The tax assessor data listed multiple valuation components, the appraised building value was used if available and the assessed building value if not.

Depth-Damage Functions

Each structure was assigned a Depth Damage Function (DDF) that estimates an economic loss as a percentage of the value of the structure or contents based on the depth of flooding. The DDFs used in this analysis were based on the USACE analysis completed in 2015. The 2015 analysis used two sources: Physical Depth-Damage Function Summary Report North Atlantic Coast Comprehensive Study: Resilient Adaptation to Increasing Risk, and EGM 09-04 Generic Depth-Damage Relationships for Vehicles. All structure and content DDFs assigned to residential, commercial, industrial, agricultural, and public/other structures were developed by USACE as referenced in the Physical Depth-Damage Function Summary Report. These DDFs are considered generic and are appropriate for use throughout the United States. The DDFs are divided into multiple categories based on the type of structure (e.g., one-story, two-story, foundation type), with separate DDFs representing damage to the structure and the contents. The DDFs were assigned to each structure based on information contained in the tax assessor databases (e.g., number of floors, presence of basement). A content-to-structural value (CSVR) of 50 percent was used for residential structures.

HEC-FDA Methodology

Structural damage costs were estimated using the USACE Hydrologic Engineering Center Flood Damage Analysis (HEC-FDA) Economic model. The analysis follows the framework and methodology as directed by the *HEC-FDA Flood Damage Reduction Analysis User's Manual (April 2016)*. Project analysts used Revision 1.4.2 of the HEC-FDA model to assess floodplain damage and develop Equivalent Annual Damage (EAD) estimates for the base case “without dams” and “with dams” two program scenarios:

Without Dams Scenario (Base Case): The Without scenario evaluated damage to structures in the base case of no dams or protective structures.

With Dams Scenario: We evaluated damage to structures caused by current dams and protective structures that are in place and maintained.

The time value of resources is measured by an annual percentage factor known as the discount rate. An appropriate discount rate can be used to calculate the "present value" of any sum of resources or money to be spent or received in the future. The analysis used a discount rate of 0.6 percent for the present value calculation. This discount rate was obtained from the annual Office of Management and Budget publication *Discount Rates for Cost-Effectiveness, Lease Purchase, and Related Analyses*, which applies to long-lived infrastructure investments. Applying the discount rate to future sums to calculate their present value is known as "discounting." Through discounting, different investment alternatives can be objectively compared based on their respective present values, even though each has a different stream of future benefits and costs.

Costs and benefits are expressed in 2021 prices, and for each phase of the project, a 50-year benefit period is assumed for each phase of the project, beginning in the year after that phase of the project construction is completed. No uncertainty factors were used to develop the analysis, nor were Monte Carlo simulations employed to evaluate risk and uncertainty. The analyses of without-dams and with-dams damage include damages or costs incurred from various categories. The economic analysis considers damage to structures and contents, damage to automobiles, increased emergency response expenditures, evacuation and subsistence expenditures, reoccupation costs, and commercial cleanup and restoration costs. These categories are intended to capture a substantial portion of the financial burden incurred by a flood event; however, they are not comprehensive enough to capture every cost or damage that could result from flooding in the area.

Generally, flood damages from an event increase as flood event frequency decreases; they are typically higher for the 0.01% Annual Chance Exceedance (ACE) flood compared to the 50% ACE flood. Damages by flood frequency are paramount from the economic perspective since flood damages are reduced to annualized averages based on the annual chance probability of flood occurrence. To estimate expected annual damages (EADs) from flooding, eight flooding event frequencies were modeled, representing a range of recurrence probabilities from a 50% ACE (2-year) flood event to a 0.2 ACE (500-year) flood event.

Hydrologic and Hydraulic Modeling

Damage Reaches

Stantec Consulting Services Inc. conducted a thorough review of existing information available on the Hunter's Run and Hocking River Watershed District Boundary hydrology and stream flow. The full description of the process and results of the Stantec evaluation of these systems with and without the HRCD fully maintained flood control system in place are shown in Appendix A: HRCD – Readjustment of Appraisal of Benefits – H&H Tech Memo, dated January 6, 2023.

Stantec, using the Corps of Engineer's HEC-RAS model, developed water surface profiles for each study stream in both the Without- and With-Dam scenarios for the eight recurrence intervals. These water surface profiles were provided to JFA and are read into the HEC-FDA model to estimate damage for the eight return frequencies.

Flood Stage Damage Estimation

HEC-FDA uses modeled flooding events to estimate damages to affected structures based on data associated with each structure. HEC-FDA was used to estimate the damage to structures, contents, and automobiles. The HEC-FDA program compiles data generated from the hydraulic analyses, as well as the structure inventory and associated data described above. The hydraulic components used in this analysis included the water surface profiles for each stream for each of the eight analyzed exceedance probability flood events: 50% (2-year), 20% (5-year), 10% (10-year), 4% (25-year), 2% (50-year), 1% (100-year), 0.4% (250-year) and 0.2% (500-year) ACE flood events.

These compiled data are a series of probabilistic curves defining relationships between flood stage and frequency of occurrence, and flood stage and damages. These relationships are used to generate a curve relating probability of occurrence and total damages; the integration of which provides the Equivalent Annual Damage (EAD) described below.

With-project and without-project damages are estimated for both the initial baseline conditions and future conditions, which account for any growth in development and runoff in the study area. As the hydrologic condition of the study area is not anticipated to increase over the period of analysis, the HEC-FDA model was run only for the initial baseline condition, with the resulting annual damages expected to prevail over the 50-year period of analysis.

Damage Categories

Project analysts assigned each structure or vehicle record to one of five damage categories defined for the analysis consistent with USACE guidance:

RES. Residential structure damage category which includes one story, multi-story, single family, and multi-family homes with and without basements.

COM. Commercial structure damage category which includes activities such as offices and restaurants.

IND. Industrial structures damage category which includes activities such as factories and warehouses.

P&O. Public and other structure damage category which includes municipal buildings, public schools, colleges/universities, and hospitals.

AG. Agriculture structures damage category with includes barns, feed sheds, fencing and others. These damage categories were used to calculate the stage-damage functions and to calculate the Equivalent Annual Damage (EAD) described in the next section.

Results: Equivalent Annual Damage (EAD)

The results of the HEC-FDA analysis are expressed as an Equivalent Annual Damage (EAD) for each scenario. The USACE defines EAD as the damage value associated with the without- or with-project condition over the analysis period (project life), considering changes in hydrology, hydraulics, and flood damage conditions over the project's life. HEC-FDA calculates expected annual damage for each analysis year, discounts the value to present worth, and then annualizes it to obtain the EAD. Rather than compute the expected annual damage for each year, HEC-FDA computes EAD for the base year and most likely future years and interpolates it for subsequent years. The expected annual damage for years beyond the most likely future conditions year is assumed equal to that year.

Expected annual damage represents the mean amount of damage that would occur in **any given year** if **that year** were repeated infinitely many times over. The mean value is based on the frequency of recurrence for each flood event and the uncertainties in stage damage, stage flow, and flow-frequency relationships.

EAD can vary by year, depending on changes in hydraulic, hydrologic, or economic conditions. If each year is taken in sequence from the beginning of the analysis period to the end, the result is a series or "stream" of EAD values.

The calculated EAD for each scenario is presented in Exhibit 4-3. These values are reported in 2021 dollars.

Exhibit 4-3: Equivalent Annual Damage and Improvement by Damage and Scenario

4-3.1. Probability Damage Reduced

| | Expected Annual Damage Reduced (Damage in \$1,000's) | Probability Damage Reduced Exceeds Indicated Values | | |
|--------------|---|---|---------|---------|
| | | 75% | 50% | 25% |
| Structures | 264.09 | 171.42 | 247.09 | 344.89 |
| Content | 132.045 | 85.71 | 123.545 | 172.445 |
| Total | 396.135 | 257.13 | 370.635 | 517.335 |

4-3.2. Damage Reduced by Category

| | AG | COM | IND | P&O | RES | Total Reduction (Damage in \$1,000's) |
|------------|----|--------|------|--------|---------|--|
| Structures | 0 | 63.87 | 1.04 | 21.95 | 177.23 | 264.09 |
| Content | 0 | 31.935 | 0.52 | 10.975 | 88.615 | 132.045 |
| Total | 0 | 95.805 | 1.56 | 32.925 | 265.845 | 396.135 |

4-3.3. Structure Damage Reduced by Category and River

| Stream Name | Equivalent Annual Reduction by Damage Categories (Structure) | | | | | Total (Damage in \$1,000's) |
|---------------|--|-------|------|-------|--------|--------------------------------|
| | AG | COM | IND | P&O | RES | |
| Hocking River | 0.00 | 60.76 | 1.00 | 21.67 | 153.59 | 237.03 |
| Hunter's Run | 0 | 3.11 | 0.03 | 0.28 | 23.64 | 27.06 |

4-3.4. Contents Damage Reduced by Category and River

| Stream Name | Equivalent Annual Reduction by Damage Categories (Contents) | | | | | Total (Damage in \$1,000's) |
|---------------|---|-------|------|-------|-------|--------------------------------|
| | AG | COM | IND | P&O | RES | |
| Hocking River | 0.00 | 30.38 | 0.50 | 10.84 | 76.80 | 118.52 |
| Hunter's Run | 0.00 | 1.56 | 0.02 | 0.14 | 11.82 | 13.53 |

4-3.5. Total Damage Reduced by Category and River

| Stream Name | Equivalent Annual Reduction by Damage Categories (Total) | | | | | Total (Damage in \$1,000's) |
|---------------|--|-------|------|-------|--------|--------------------------------|
| | AG | COM | IND | P&O | RES | |
| Hocking River | 0.00 | 91.14 | 1.50 | 32.51 | 230.39 | 355.55 |
| Hunter's Run | 0.00 | 4.67 | 0.05 | 0.42 | 35.46 | 40.59 |

5: Motor Vehicles

Most damage from a flood event involves damage to structure, contents, and automobiles. These categories provide the foundation for the economic evaluation of the alternatives. This chapter presents the project's benefits by reducing the risk of damage to motor vehicles related to flood events. It includes the rationale and justification for including these benefits and the study team's methodology to calculate them.

Rationale and Justification for Inclusion

This section provides the rationale and justification for including the benefit of reduced flooding of motor vehicles in the BCA. The USACE notes that a major share of flood damage occurs to vehicles in many cases. Vehicle damage often occurs when warning lead times for flooding events are relatively short. Other factors that may influence the amount of vehicle damage include the availability of individuals to move vehicles out of the floodplain and the degree of congestion expected on evacuation routes. Relatively low levels of flooding can nonetheless result in significant damage to vehicles. The USACE includes depth damage to vehicles among the four relationships necessary to estimate flood damages (along with depth damage for structures, depth damage for contents, and content-to-structure value ratio (CSVR)).¹⁴

Vehicle flood damage is among of the most frequent varieties of flood damage. Cars are the most often damaged, though they are also the first and most prone item for owners to relocate to safety. If owners are unaware of impending flooding, they may not move their vehicles from locations near a flooding river in time to avert damage. Drivers sometimes get themselves ensnared on flooding roads while attempting to escape flooding areas. Many motorists are largely uninformed of the water depths that will disable a vehicle and may attempt to drive through flooded areas only to become breakdown victims. Relatively shallow bodies of water can cause significant damage to vehicles. The ability to move vehicles makes it difficult for researchers to gauge damage sustained, which is dependent on the day and time of day of flooding and when the flood warning was provided.¹⁵

Flood damage to vehicles falls into the direct damage category. This damage occurs because of physical contact with floodwater. The damage is also tangible, which means the damages are assessable in monetary terms.¹⁶

¹⁴ US Army Corps of Engineers, New Orleans District, Final Report: Depth-damage relationships for structures, contents and vehicles and content-to-structure value ratios (CSVR) in support of the Donaldsonville to the Gulf, Louisiana, Feasibility Study. March 2006.

¹⁵ Richardson, et. al, 2005. Interview with David Richardson, Kevin Andrews from DEFRA and Bill Watts from Environmental Agency in London, March 17, 2005. Cited in: Volker Meyer and Frank Messner, UFZ-Discussion Papers, National Flood-Damage Evaluation Methods: A Review of Applied Methods In England, the Netherlands, the Czech Republic and Germany.

¹⁶ Smith, K. and Ward, R.: Floods: Physical processes and human impacts. John Wiley & Sons, Chichester, 1998.

This project follows the guidance stated by the Corps in determining benefits derived by removing vehicles from the floodplain. The benefit-cost analysis counts these benefits according to accepted Corps practice.

Estimation Methodology

This section describes the methodology used to estimate the benefit of reduced flooding of motor vehicles. There is no primary data on the number of vehicles subject to flood damage during individual flood events. As a result, the analysis combined data on:

The value of individual vehicle types.

The number of vehicles typically owned by households or parked at commercial structures.

The percentage of vehicles typically evacuated during flooding events.

Depth-damage curves that predict the percent damage to vehicles caused by different water depths.

The water depths resulting from floods are of varying probabilities.

The following sections describe how each of these values was estimated. The final section provides the calculations' results and discusses those results.

Vehicle Values

The project team estimated the average vehicle value by vehicle type by dividing data on the total value of vehicles by the number of vehicles. The Federal Highway Administration provides data on the number of vehicles in the publication Highway Statistics. The Bureau of Economic Analysis (BEA) provides data on the value of all vehicles in U.S. Economic Accounts, Fixed Assets Tables.

The Bureau of Economic Analysis (BEA) provides data on the value of all consumer and business vehicles. The BEA provides 2019 data for Consumer Durable Goods, Private Fixed Assets, and Nonresidential Equipment. The data represent yearend estimates of current-cost net stock, and BEA updated them on September 30, 2022. BEA provides separate data for business and consumer automobiles, light trucks, and heavy trucks. The analysis assumes that the value of consumer-owned heavy trucks is 50 percent of the BEA value of Recreational Vehicles (RVs). The BEA did not have data on the value of the vehicle's stocks held by governments.

The Federal Highway Administration's (FHWA) "Highway Statistics" provides data on the number of vehicles. FHWA provides the data for 2016 in two tables. State Motor-Vehicle Registrations (Table MV-1) provide the number of private and commercial automobiles, buses, trucks, and motorcycles. Truck and Truck-Tractor Registrations (Table MV-9) have a set of columns that provide a Classification of Private and Commercial Trucks Registered. These columns provide data for truck tractors, pickups, vans, sport utilities, and other light trucks. Table MV-1 was the direct source of the number of automobiles. The number of light trucks is a sum of Table MV-9 data on the number of pickups, vans, sport utilities, and other light trucks. The number of heavy trucks is calculated based on the Table MV-1 data on the number of trucks, less the sum of the Table MV-9 figures of the number of pickups, vans, sport utilities, and other light trucks.

Using these sources, the average automobile was valued at \$6,350, the average light truck was valued at \$10,583, and the average heavy truck was valued at \$18,339. The analysis then updated the data

from 2019 values to 2021 values using the U.S. Bureau of Labor Statistics (BLS) Consumer Price Index (CPI) Inflation Calculator.¹⁷ The CPI inflation calculator uses the All-Urban Consumers (CPI-U) U.S. city average series for items that are not seasonally adjusted. This data represents changes in the prices of all goods and services purchased for consumption by urban households. After accounting for inflation, the average automobile was valued at \$6,599, the average light truck was valued at \$10,998, and the average heavy truck was valued at \$19,058. Exhibit 5-1 provides the above calculation and final average values of vehicles by vehicle type.

Exhibit 5-1: Average Value of Vehicles by Vehicle Type

| Vehicle Type | Number of Private and Commercial Vehicles (2019) | Highway Statistics Table Number | Consumer Durable Goods Current Cost (\$, 2019, Million) | Non-Residential Fixed Assets Current Cost Net Stocks (\$, 2019, Million) | Total Vehicle Value (\$, 2019, Million) | Value per Vehicle (\$, 2019) | CPI (January 2021 / January 2019) | Value per Vehicle (\$, 2021) |
|-----------------|--|---------------------------------|---|--|---|------------------------------|-----------------------------------|------------------------------|
| Automobiles | 107,180,635 | TABLE MV-1 | | | | | | |
| Buses | 575,193 | TABLE MV-1 | | | | | | |
| Trucks | 156,080,086 | TABLE MV-1 | | | | | | |
| Motorcycles | 272,402,478 | TABLE MV-1 | | | | | | |
| Truck Tractor | 2,758,682 | TABLE MV-9 | | | | | | |
| Pickups | 48,320,784 | TABLE MV-9 | | | | | | |
| Vans | 15,075,377 | TABLE MV-9 | | | | | | |
| Sport Utilities | 80,511,102 | TABLE MV-9 | | | | | | |
| Other Light | 75,515 | TABLE MV-9 | | | | | | |
| Automobiles | 107,180,635 | | \$522,700 | \$157,900 | \$680,600 | \$6,350 | 1.0392 | \$6,599 |
| Light Trucks | 128,907,401 | | \$1,160,200 | \$514,900 | \$1,675,100 | \$10,583 | 1.0392 | \$10,998 |
| Heavy Trucks | 14,444,854 | | \$10,700 | \$254,200 | \$264,900 | \$18,339 | 1.0392 | \$19,058 |

Vehicle Inventory

Project analysts used the structure inventory and Fairfield County tax assessor records to determine the location and value of vehicles in the study area. For residential structures, the analysis used data on the average number of vehicles owned by households. For commercial, industrial, agriculture, and public/other structures, project analysts used estimates of vehicles per square foot by structure type and data on the square footage of each structure.

The Department of Transportation (2020) estimated an average of 1.9 vehicles per household for the United States. Approximately one auto and one light truck record was generated for each structure record (corrected with 1.9/household). The value was set equal to 60 percent of the value of an average auto or light truck.

¹⁷ U.S. Bureau of Labor Statistics, https://www.bls.gov/data/inflation_calculator.htm

To estimate flood damage of motor vehicles for non-residential structures, project analysts conducted an estimation procedure using the following steps:

Identification of square footage and structure used for each structure.

Identification of vehicles per square foot based on structure use.

Multiply the square footage by vehicles per square foot, vehicle values, and the evacuation factor.

Project analysts obtained square footage for each structure record using Fairfield County tax assessment data.

The analysis used square footage conversion factors to estimate the total number of automobiles, light trucks, and heavy trucks at each non-residential structure. These conversion factors are provided in a report supporting the Federal Emergency Management Agency (FEMA) HAZUS model.¹⁸ Exhibit 5-2 provides the conversion factors.

Exhibit 5-2: HAZUS Conversion Factors

| HAZUS ID | HAZUS Building Code | Building Category | Automobiles per 1,000 Sq. Feet | Light Trucks per 1,000 Sq. Feet | Heavy Trucks per 1,000 Sq. Feet |
|----------|---------------------|-------------------|--------------------------------|---------------------------------|---------------------------------|
| 28 | AGR | AG-NB | 0.43167 | 0.31699 | 0.24999 |
| 28 | AGR | AG-OSNB | 0.43167 | 0.31699 | 0.24999 |
| 18 | COM7 | COM-NB | 1.36045 | 0.99909 | 0.02203 |
| 12 | COM1 | COM-OSNB | 1.26150 | 0.92602 | 0.30836 |
| 18 | IND6 | IND-OSNB | 0.43167 | 0.31699 | 0.24999 |
| 12 | IND6 | IND-NB | 0.60085 | 0.44115 | 0.02203 |
| 30 | GOV1 | P&O-NB | 1.18291 | 0.86884 | 0.02203 |
| 32 | EDU1 | P&O-OSNB | 0.60085 | 0.44115 | 0.02203 |

The HAZUS conversion factor report relied upon several data sources. The International Transportation Engineers (ITE) report, Parking Generation, was the primary source for automobiles and light trucks.¹⁹ The primary data source for heavy trucks was a National Cooperative Highway Research Program report.²⁰ The analysis to develop the data from these reports into conversion factors was extensive. The authors assigned building types from both reports to the HAZUS categories, estimated missing hourly data, converted hourly estimates to daytime and nighttime rates, converted data reported on a basis other than square footage, and scaled results to reflect nationwide vehicle inventories.

¹⁸ HAZUS Vehicle Flood Damage Data and Analysis, Prepared for ABS Consulting by Jack Faucett Associates, June, 2008.

¹⁹ International Transportation Engineers, Parking Generation, 3rd Edition, 2004.

²⁰ National Cooperative Highway Research Program, NCHRP SYNTHESIS 298, Truck Trip Generation Data: A Synthesis of Highway Practice, Michael J. Fischer Cambridge Systematics, Inc. and Myong Han Jack Faucett Associates, Transportation Research Board — National Research Council, National Academy Press, Washington, D.C., 2001.

Vehicle Evacuation Factor

No primary data are available on the extent to which Fairfield area residents successfully evacuated their vehicles during flood events. According to the Southeast Louisiana Evacuation Behavioral Report (2006), following Hurricanes Katrina and Rita, residents used approximately 70 percent of privately owned vehicles for evacuation during storm events. Residents left the remaining 30 percent of vehicles parked at residences and were subject to flooding. The average hurricane warning time is about 36 hours. (National Hurricane Center, 2010). On Aug 17th, 2021, the flash flood warning came after the flash flood rain began with zero warning in some areas of Fairfield County. (Massara, 2021). Fast-moving rivers have a flood warning time of no more than 12 hours and between 12 and 24 hours otherwise. Using 18 Hours of warning time as an average between 12 and 24 hours and comparing the vehicle evacuation rates of hurricanes, this study will use 40 percent vehicle evacuation and 60 percent of vehicles remaining at households.

Depth-Damage Functions

Project analysts developed estimates of the value of flood damage to vehicles using data from an unpublished U.S. Army Corps of Engineers (USACE) document entitled "Estimating Flood Damage to Vehicles" by Stuart A. Davis, Institute for Water Resources. The USACE document used data from a survey of 640 vehicles. The USACE analysis employed statistical regression to estimate the percentage of damage sustained by various vehicle types relative to the depth of flooding. These USACE estimates represent a significant improvement in data quality compared to previous estimates. Data in the earlier version of the HAZUS provided data for only three general water levels and utilized rough estimates of damages collected from industry experts.

The USACE vehicle types included sedans, pickups, SUVs, sports cars, and minivans. Exhibit 5-3 provides the percentage of damage to vehicles by floodwater depth. Project staff assigned sedans and sports cars as proxies for automobiles. The analysis calculates auto damage by depth by weighing sedans at 90 percent and sports cars at 10 percent. These weights use the numbers of these vehicles surveyed in the Institute for Water Resources draft, where there were 37 sports cars and 369 sedans.

Exhibit 5-3: Percent Damage to Vehicles by Water Depth and Vehicle Type

| Depth Above Ground | Survey Data* | | | | | Calculated Data** | | |
|--------------------|--------------|---------|--------|--------|-----------|-------------------|--------------|--------------|
| | Sedans | Pickups | SUVs | Sports | Mini Vans | Autos | Light Trucks | Heavy Trucks |
| 0.5 | 7.6% | 5.2% | 0.0% | 1.4% | 0.0% | 7.0% | 1.8% | 0.0% |
| 1 | 28.0% | 20.3% | 13.8% | 29.2% | 17.8% | 28.1% | 16.6% | 0.0% |
| 2 | 46.2% | 34.4% | 30.6% | 52.8% | 38.3% | 46.9% | 32.9% | 1.8% |
| 3 | 62.2% | 47.5% | 45.8% | 72.2% | 56.8% | 63.2% | 47.8% | 16.6% |
| 4 | 76.0% | 59.6% | 59.4% | 87.4% | 73.3% | 77.1% | 61.2% | 32.9% |
| 5 | 87.6% | 70.7% | 71.4% | 98.4% | 87.8% | 88.7% | 73.2% | 47.8% |
| 6 | 97.0% | 80.8% | 81.8% | 100.0% | 100.0% | 97.3% | 83.7% | 61.2% |
| 7 | 100.0% | 89.9% | 90.6% | 100.0% | 100.0% | 100.0% | 91.5% | 73.2% |
| 8 | 100.0% | 98.0% | 97.8% | 100.0% | 100.0% | 100.0% | 98.1% | 83.7% |
| 9 | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 91.5% |
| 10 | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 98.1% |
| 11 | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Project staff assigned pickups, SUVs, and minivans as proxies for light trucks. The analysis uses the relative number of these vehicles to derive an average damage for each depth of flooding. The number of vehicles of each type in 2019 is reported in Table MV-9 from the Federal Highway Administration's Highway Statistics. The table reports 48,320,784 pickups, 80,511,102 sport utilities, and 15,075,377 vans. Heavy truck damage percentages were estimated assuming that these vehicles have an additional two feet of clearance relative to light trucks based on data from the previous HAZUS model. Therefore, heavy trucks sustain the same degree of damage as light trucks but at higher levels of flooding.

The study assumed that the elevation of the vehicles was equal to the elevation of each structure's adjacent grade, which the study estimated using digital elevation models and GIS.

Water Depths by Return Frequency

Project analysts derived the vehicle's location from the location of the associated structure and assigned it to the stream, stream bank, and damage reach used for the analysis, similar to the structure inventory.

Project engineers assigned structures to streams based on their location in the study area, typically assigning the stream adjacent to the structure. In cases where it was unclear which stream to assign (e.g., a structure located at the confluence of two streams), professional judgment was used to assign the stream based on which stream was most representative of the flood characteristics for that structure.

The analysis imported stream stations, which correspond to those used in the hydraulic model, into ArcGIS software to match each structure to a stream station. The assigned station was the closest point where the structure was perpendicular to the stream.

Results

The values of vehicles present at each structure and the depth-damage curves for vehicles are input into the HEC-FDA model. The model then processes the data in the same manner as for structures. The HEC-FDA model expresses results in terms of an Equivalent Annual Damage (EAD) for each scenario. The US Army Corps of Engineers defines EAD as the damage value associated with the without-or-with project condition over the analysis period (project life), considering changes in hydrology, hydraulics, and flood damage conditions that may occur over the useful life of the program. HEC-FDA calculates expected annual damage for each analysis year, discounts the value to present worth, and then annualizes it to obtain the EAD. Rather than compute the expected annual damage for each year, HEC-FDA computes EAD for the base year and most likely future years and interpolates it for subsequent years. The expected annual damage for years beyond the most likely future conditions year is equal to that year.

The EAD represents the mean amount of damage that may occur in any given year if that year is repeated infinitely many times over. The mean value assumes the frequency of recurrence for each flood event, as well as the uncertainties in stage damage, stage flow, and flow-frequency relationships.

EAD can vary by year, depending on changes in hydraulic, hydrologic, and economic conditions. Throughout the period of analysis, EAD can vary if there are changes in hydraulic, hydrologic, or economic conditions. If each year occurs in sequence from the beginning of the period of analysis to the end, the result is a series or “stream” of EAD values.

Exhibit 5-4 presents the calculated EAD for the base case and each scenario, along with the annual reduction in damages, which represents the benefits of the project. The exhibit reports these values in 2021 dollars.

Exhibit 5-4: Equivalent Annual Damages for Motor Vehicles (\$, Thousands)

With 60% of Vehicles Remaining (Scenario for Case Study)

| Equivalent Vehicle Annual Damage Reduced (\$, Thousands) | | Probability Damage Reduced Exceeds Indicated Values | | |
|---|--------------|--|-------|--------|
| | | 75% | 50% | 25% |
| Automobiles | 41.14 | 25.74 | 39.24 | 55.26 |
| Light Trucks | 35.46 | 20.96 | 33.52 | 48.20 |
| Heavy Trucks | 21.38 | 12.44 | 19.58 | 29.00 |
| Total | 97.98 | 59.14 | 92.34 | 132.46 |

With 30% of Vehicles Remaining

| Equivalent Vehicle Annual Damage Reduced (\$, Thousands) | | Probability Damage Reduced Exceeds Indicated Values | | |
|---|--------------|--|-------|-------|
| | | 75% | 50% | 25% |
| Automobiles | 20.57 | 12.87 | 19.62 | 27.63 |
| Light Trucks | 17.73 | 10.48 | 16.76 | 24.1 |
| Heavy Trucks | 10.69 | 6.22 | 9.79 | 14.5 |
| Total | 48.99 | 29.57 | 46.17 | 66.23 |

With 100% of Vehicles Remaining

| Equivalent Vehicle Annual Damage Reduced (\$, Thousands) | | Probability Damage Reduced Exceeds Indicated Values | | |
|---|---------------|--|--------|--------|
| | | 75% | 50% | 25% |
| Automobiles | 68.57 | 42.90 | 65.40 | 92.10 |
| Light Trucks | 59.10 | 34.93 | 55.87 | 80.33 |
| Heavy Trucks | 35.63 | 20.73 | 32.63 | 48.33 |
| Total | 163.30 | 98.57 | 153.90 | 220.77 |

6: Other Benefits

Flood events can be devastating to a community. The 1948 flash flood in Fairfield County and Lancaster was one such event that led to a coordinated effort between the federal, state, and local authorities to plan, finance, construct, operate, and maintain the HRCD flood prevention system. This study compares the expected flood-related costs in the future with the well-maintained HRCD system in place and what can be expected if the system were not available.

Previous chapters dealt with the expected annual losses to structures and vehicles if the current HRCD system was not available. This chapter estimates the other costs to households, businesses, government, and others that can continue to be avoided by a well-maintained HRCD system. This is usually estimated for the future by looking at past flood events in the community. No recent major flooding events impacted the HRCD region, so an alternative method is required.

Benefit Transfer

Economists use benefit transfer to estimate the economic value of non-market goods or services by applying the results of a study already conducted in a similar location or on a similar good or service. This method allows economists to estimate the value of a good or service without conducting a new study, which can save time and resources. Additionally, benefit transfer can be used to estimate the value of goods and services in locations where data is unavailable.

The benefit transfer method relies on secondary data and estimates nonmarket economic values by transferring available information from original studies already completed. The source(s) of the available economic information is typically referred to as the “study site,” and the context in which this information is used is referred to as the “policy site.” There are two main approaches to benefit transfer: value transfer and function transfer. In a value transfer, a single point estimate, range of multiple point estimates, or measure of central tendency from multiple point estimates (e.g., an average value), is transferred from the original study site(s) where primary research was conducted to a policy site with similar characteristics that is being evaluated. In a function transfer, a statistical function based on the existing literature is used to implement the transfer of a benefit measure. Function transfers can be based on a benefit or demand function from a single study in the existing literature or on a meta-regression function, which summarizes the value estimates reported in multiple studies in a statistical function. The function is adapted to match the characteristics of the policy site that is being evaluated and then used to forecast a nonmarket value estimate for the policy site.²¹

Each community that is impacted by a flood experiences a unique set of impacts that reflect the community characteristics, including population, demographics, built environment, level of protection in place, and other factors. The nature of the flood event also determines the damage. Flash or long duration, velocity of flood waters, sediment content, availability of early warning, and many other factors. However, the categories and severity of flood damage across regions and events are very

²¹ USGS Benefit Transfer Toolkit, <https://sciencebase.usgs.gov/benefit-transfer/activityCalc/index>

similar. Researchers must select transfer study sites that exhibit as similar community and event similarities as possible.

This study reviewed many studies of the damage caused by past flood events. Two recent studies stood out as the most similar impacts to a potential future flood event that might occur in Lancaster and Fairfield County if the HRCD system were not in place. The selected Study Sites are:

The City of Shelby, Richland County, Ohio, Muskingum WCD

The City of Findlay, Hancock County, Ohio, Maumee WCD

These cities and counties are similar in size and are both agriculturally based economies with similar populations and employment opportunities. In addition, the valuation of benefits in these communities was estimated based on the rules contained in the Ohio Revised Code for flood mitigation and protection. The Findlay study was a substantial plan with several proposed engineering solution scenarios. It was decided that the scope of this proposed project, about \$172 Million, was too large to scale the benefits to Lancaster. Thus, the current study relied primarily on the revaluation study for the City of Shelby in Richland County.

Other Benefit Categories

A major flood event can require a response from several municipal agencies, including planning, emergency medical services, fire and rescue, road and utility services, and many more. Business establishments respond by protecting their employees, customers, inventory, and other assets. The extent of the response depends on the severity of the flood event. Generally, the lower the return frequency of the event, the greater the severity and the more extensive the damage. The other benefit categories included in this study are:

- **Transportation Impacts**
- **Emergency Response Costs**
- **NFIP Administration Impacts**
- **Business Losses**
- **Business Cleanup Costs**
- **Business Emergency Preparation Costs**
- **Agricultural Losses**
- **Environment Impacts**

Each of the other benefit categories will be discussed below. In addition to damage to structures and property and additional costs borne by city, county, and state agencies, households, and businesses, floods can cause injuries to persons and even death. No estimation of the loss of life or injury has been developed for this study, and these potential losses are not included in the benefits valuation.

Transportation Impacts

A flood event can significantly impact a regional transportation network. These impacts include road closures and impediments to traffic flow between the origin and destination, both of which result in increased travel times due to detours. This section presents the benefits of reducing the risk of potential impacts related to flood events. It includes the rationale and justification for including these benefits and the methodology the study team used to calculate the benefits.

The rationale and justification for the inclusion of transportation benefits in the benefits of flood mitigation projects commonly assess the benefits of reduced flooding on the transportation network. For example, the USACE National Economic Development Procedures Manual for Urban Flood Damage (NED Manual) states:

“Flooding can temporarily impede traffic by covering roads and bridges. Even the threat of flooding and concern for public safety may make it necessary to close roads and detour traffic. Bridge and road damage may cause detours for several months until repairs can be made. The costs of traffic disruption include 1) the additional operating cost for each vehicle, including depreciation, maintenance, and gasoline per mile of detour; and, 2) the traffic delay costs per passenger.”²²

The methodology used to estimate the transportation-related benefits is described in the COE NED Manual. It recommends estimating the costs of rerouting traffic. The costs of traffic disruption include:

- The additional operating cost for each vehicle, including depreciation, maintenance, and gasoline per mile of detour.
- The traffic delay costs per passenger.

The USACE NED Manual notes, “To determine traffic operating cost, it is first necessary to determine the frequency, depth, and duration of flooding along major stretches of road that are subject to flooding. To concentrate on areas where the most significant benefits might occur, it is necessary to focus on portions of roads where there would be considerable traffic rerouting for long periods of time.”

During the previous floods at the Policy site, numerous routes became impassable. Based on anecdotal information from local records and interviews, the study calculated the results for each route separately and summed the results. In addition, the number of route closures significantly impacts travel delays. As a result, the analysis assumes that the travel times on the alternate routes would double the travel times without delay.

Debris Removal, Relocations & Emergency Response

This chapter presents the rationale, methodology, and results of the economic benefits of reduced emergency preparation and response expenses. These reductions occur when emergency responders can avoid the expenses of significant flood events. The flood damage expenses avoided may include costs of preparing for flood events and costs related to utility damages, debris removal, costs associated with emergency shelters and temporary relocations for residents, government agencies, and businesses, as well as other disaster-related costs. The savings in emergency preparation and response expenditures constitute a benefit of the program.

The US Army Corps of Engineers (USACE) classifies emergency costs as nonphysical flood losses.²³ Federal, State, and local government agencies that provide emergency services and debris removal during flood emergencies incur these costs. Benefits accrue when the community avoids expenses for

²² U.S. Army Corps of Engineers, National Economic Development Procedures Manual - Urban Flood Damage. IWR Report 88-R-2, March 1988. pp. VII-6 – VII-11.

²³ Flood Risk Management. Institute for Water Resources Report 2013-R-05, Department of the Army, U.S. Army Corps of Engineers, Washington, DC, June 2013.

emergency services brought on by flooding. These may include, for example, costs of rescue, flood fighting, and cleanup, along with the costs of debris removal, resident evacuation, temporary housing, and first responders, including police and fire. As noted by the USACE,

“Emergency costs include those expenses resulting from a flood that would not otherwise be incurred. For example, the costs of evacuation and reoccupation, flood fighting, and administrative costs of disaster relief; increased costs of normal operations during the flood; and increased costs of police, fire, or military patrol. Emergency costs should be determined by specific survey or research and should not be estimated by applying arbitrary percentages to the physical damage estimates.”²⁴

The agency’s Flood Risk Management report elaborates:

“Clean up and recovery costs include the cost of all labor and materials associated with cleaning up flood debris and damage, repairing damages, replacing evacuated and moved property, providing emergency food, water, shelter and medical expenses, policing and securing damaged areas, clearing roads, disposing of debris and other similar expenses.”²⁵

The methodology used to estimate the economic benefit from reduced emergency expenses included two workbooks that the Policy Site planning staff had prepared for a previous flood.²⁶ The city compiled this data for an application to FEMA for Disaster Assistance.

Reduced NFIP Administrative Costs

The economic benefit of reducing National Flood Insurance Program (NFIP) administrative costs occurs when structure owners are no longer required to purchase flood insurance or experience fewer flood events. The savings in administrative costs are a benefit of the flood mitigation program.

The NFIP is a federal program created by Congress in 1968 to mitigate future flood losses nationwide through sound, community-enforced building, and zoning ordinances and to provide access to affordable, federally-backed primary flood insurance protection for property owners. The NFIP provides an insurance alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods.²⁷ One purpose is to reduce flood risk by adopting floodplain management standards.²⁸

Owners of structures within the 1% Annual Chance Exceedance (ACE) (100-year) floodplain are required to purchase NFIP flood insurance. As with any insurance, the owners pay yearly premiums for the insurance policies regardless of whether they file claims. The NFIP program returns most of these

²⁴ Economic and Environmental Principles for Water and Related Land Resources Implementation Studies, Planning Guidance Notebook, ER 1105-2-100, Department of the Army, U.S. Army Corps of Engineers, Washington, DC, 22 April 2000.

²⁵ Flood Risk Management. Institute for Water Resources Report 2013-R-05, Department of the Army, U.S. Army Corps of Engineers, Washington, DC, June 2013.

²⁶ Email from Joe Gies of the City of Shelby to JFA on February 23, 2018. The email was a forward of a February 6, 2018 email from Steve Lifer, Finance Director of the City of Shelby to Joe Gies.

²⁷ U.S. Department of Homeland Security. FEMA. National Flood Insurance Program. Answers to Questions about the NFIP. FEMA F-084. March 2011.

²⁸ Congressional Research Service. Introduction to FEMA’s National Flood Insurance Program (NFIP). August 16, 2016.

premiums to the owners through claims payments. However, the program includes administrative costs that owners never recover. In essence, these administrative costs are “lost” each year.

The sustaining of the HRCD Flood Risk Reduction Program removes some structures from the 1% ACE (100-year) floodplain. The owners of these parcels will no longer be required to purchase NFIP insurance. They, therefore, will not pay for certain administrative costs such as insurance agent’s commissions and general overhead costs. Having a well-maintained HRCD system in place also reduces the frequency at which individual structures are flooded. This reduces other administrative costs, such as the cost of claim adjustment. Flood mitigation projects that eliminate the requirement to carry a flood insurance policy or reduce the claim administration burden provide benefits in the form of reduced NFIP administrative costs.

Business Losses

Implementing flood protection measures contained in the HRCD Flood Risk Reduction Program results in economic benefits from reduced business losses. These reductions occur when business structure owners are no longer impaired by recurring flooding events and do not have to close their businesses for an extended or temporary period. The reduction in business losses generated from flood protection measures is a benefit of the flood mitigation program.

The USACE report quotes its own guidance informing how lost wages should be included over and above physical flood damages. The guidance goes on to explain the method to derive those estimates. The National Economic Development (NED) Manual classifies income loss under non-physical damage.²⁹ The manual defines it as:

“...the loss of wages or net profits to businesses over and above physical flood damages. It results from a disruption of normal activities that cannot be recouped from other businesses or from the same business at another time. Prevention of income loss can be counted as a national benefit only to the extent that such loss cannot be offset by postponement of an activity or transfer of the activity to other establishments.”³⁰

Under some conditions, income loss is an NED benefit. The NED Manual states:

“Income losses are reductions in the national income when flooding or the threat of flooding halts production or delivery of goods and services. National losses occur 1) when the production or delivery of these goods and services are not recuperated by postponing the activity or transferring it to another location or 2) when additional costs are caused by delay or transfer of the activity. Businesses and labor incur income losses due to flood-induced shut-downs in producing and delivering goods and services. These losses can occur at any time during three periods: 1) flood warning, when business operations shut down and effort concentrates on damage prevention and evacuation; 2) flood inundation, when flood fighting and evacuation continues; and 3) cleanup and restoration, when there may be a phasing in of normal activity. Even the threat of flooding can cause shut down of business operations for

²⁹ USACE, National Economic Development Procedures Manual – Urban Flood Damage, Section VII-2, 1988.

³⁰ Ibid.

extended periods along large river basins. Inundation can vary from several hours to over a week, depending on the sources of flooding. Income losses may occur directly to the business or institution being flooded. Losses may occur indirectly when roads are closed and public utilities are cut off. Business losses can also occur from the spoilage of perishable commodities and when their processing or distribution are [sic] interrupted by flooding. Income losses also include any additional transportation or production costs that occur from transferring production from one area to another.”³¹

The benefit from reduced business losses in Fairfield County generated by the HRCF Flood Risk Reduction Program is substantial. Data required to estimate the Business Loss Benefits can be gathered from a survey of local businesses/organizations to collect input from the community concerning how past and future flooding impacted their businesses and organizations. Questions could include the number of sales lost to flooding, the costs of flood and emergency preparations, the costs of cleanup from flooding, lost wages, and related informational items.³²

The survey can be emailed to organizations and businesses with available email addresses. Others can receive it by mail. To help increase the number of survey responses, reminder emails are sent to non-responders.

Exhibit 6-2 provides the average (mean) responses to key monetary questions in a survey conducted at the Study Site. Lost sales had the largest monetary impact, followed by cleanup costs. Emergency preparation costs and lost wages had a lower monetary impact.

Exhibit 6-1: Average Monetary Impacts to Businesses from Flooding of Local Businesses

| Item | Mean (Average) |
|---------------------------------------|----------------|
| Lost Sales | \$20,889 |
| Flood and Emergency Preparation Costs | \$1,375 |
| Cleanup Costs | \$9,291 |
| Lost Wages | \$1,929 |

The survey also asked how likely future flooding would cause the businesses to:

- Reconsider expansion or growth,
- Relocate to a new community, or
- Have no impact.

Approximately sixteen percent of businesses would likely reconsider expansion, almost 20 percent would likely relocate, and almost three-quarters indicated that flooding would likely have no impact. Other survey questions requested information about staffing levels and additional comments.

Business Loss Recovery Rate

³¹ Ibid.

³² <https://www.surveymonkey.com/r/TVT7C63>

It is common for businesses to recover temporary business losses caused by flooding over time. Therefore, an estimate of the average business loss recovery rate was developed for the Study Site and applied to the estimated business losses to provide meaningful benefit results in this category. Unfortunately, while the survey questioned respondents about their lost sales recovery rate, very few answered. As a result, the research team decided to use data for a similar flood protection study that the research team conducted in a nearby city.

For this purpose, the team used recent data from an online business survey that cooperated with the Findlay-Hancock County Chamber of Commerce and Economic Development offices to estimate the business loss recovery rate for this benefit category. Based on that survey, the project team estimated the average business loss recovery rate to be 71.67%.

The methodology employed a few adjustments and data estimation techniques to estimate the total benefits. Exhibits 6-3 detail the steps in the methodology.

Exhibit 6-2: Total Monetary Impacts of Flooding on Study Site Businesses

| Category | Mean Dollars per Respondent | Inflation Factor | Nonresidential Structures in 100 year Floodplain | Business Loss Non-Recovery Rate | IMPLAN Multiplier | Total Dollar Losses and Costs |
|------------------------|-----------------------------|------------------|--|---------------------------------|-------------------|-------------------------------|
| Loss of Sales | \$ 20,889 | 1.22 | 149 | 28.33% | 60.50% | \$ 650,827 |
| Cost of Cleanup | \$ 9,291 | 1.22 | 149 | | | \$ 1,688,918 |
| Cost of Emergency Plan | \$ 1,375 | 1.22 | 149 | | | \$ 249,948 |

First, the methodology adjusted the mean values to reflect inflation. The analysis updated the data from 2007 values to 2021 values using the U.S. Bureau of Labor Statistics (BLS) Consumer Price Index (CPI) Inflation Calculator.³³ The CPI inflation calculator uses the All-Urban Consumers (CPI-U) U.S. city average series for items that are not seasonally adjusted. This data represents changes in the prices of all goods and services purchased for consumption by urban households.

Second, the methodology scaled the mean estimate to approximate the values for all of the nonresidential structures in the Study Site's 100-year flood plain. According to the structure inventory, the 100-year flood plain has 149 structures, including 62 commercial structures, 43 professional and office structures, 23 industrial structures, and 21 non-residential agricultural structures.

Third, the methodology adjusted the net income loss to reflect the portion the individual businesses would recover. As a result, only 28.33 percent of business losses are assumed to be permanently lost. The team did not apply the Business Loss Recovery Rate to these Costs of Cleanup and Emergency Plan since the businesses that incurred expenses for these two categories cannot recoup these expenses through regular business activities.

Fourth, the methodology adjusted the estimate to account for the combination of indirect and induced impacts, which increase the economic losses, and leakages and costs of goods sold, which reduce the

³³ U.S. Bureau of Labor Statistics, https://www.bls.gov/data/inflation_calculator.htm

economic losses. The resulting estimate is akin to a local Gross Domestic Product (GNP) measure. This adjustment factor of 60.50% is from a detailed survey and study for a flood protection study project that the US Army Corps of Engineers (USACE) conducted for nearby Findlay, Ohio, and Hancock County.

Finally, a method was required to scale these estimates to other flood return frequencies. The project team determined that the duration of road closures would provide a reasonable proxy for Loss of Net Income as the ability to conduct business requires that both employees and customers can travel. For the other two categories, Costs of Cleanup and Costs of Emergency Plan, the research team utilized the total count of nonresidential buildings that the HEC-FDA model calculates will be damaged in each scenario and flood frequency.

Agricultural Damages Avoided

Avoiding agricultural damage is a benefit of the HRCDF Flood Risk Avoidance program. Ponding and flooding can damage crops, but the extent of the damage depends on the type of plant, growth stage, air temperature, and the duration of the flooding.³⁴ In general:

- Plants with some growth above the water level are more likely to survive.
- A warmer mid-summer flood increases the rate of damage and death to submerged plants, whereas plants can survive longer underwater during a colder spring flood.
- Plants that encounter flash flooding, where the water rises and recedes quickly, are more likely to survive than those that encounter longer-duration flooding.

The agricultural analysis presented here focuses on soybeans, corn, and wheat, which are the primary crops in Central Ohio Counties.

Soybeans can generally survive for 2 to 4 days when completely submerged. The actual time frame depends on air temperature, cloud cover, soil moisture conditions before flooding, and soil drainage rate. Cool air temperatures and cloudy days increase the survival of a flooded soybean crop, whereas in temperatures of 80 degrees Fahrenheit or above, soybean plants may only survive a few days. Increased soil moisture conditions before flooding and a decreased rate of soil drainage contribute to the buildup of toxins and carbon dioxide, which is more damaging to plants than lack of oxygen.

The plant stage of development when ponding occurs, the duration of ponding and the air temperature determine the extent to which flooding damages corn crops. Before the 6-leaf collar stage or when the growing plant is at or below the soil surface, corn can usually survive only 2 to 4 days of flooded conditions. If the air temperature is greater than 77 degrees Fahrenheit during ponding, corn plants may not survive 24 hours. Still, cooler air temperatures (mid-60s or cooler) can prolong survival up to about four days. Also, once the growing point is above the water level, the likelihood of survival improves greatly.

³⁴ Exhibit 10-2 and the discussion of that exhibit provide the sources this study used to estimate potential reduction in yield from flooding by crop.

The most significant factor affecting wheat during a flooding event is air temperature. During summer conditions, 2 to 3 days of flooding can impact plant growth. If the air temperature is above 65 degrees Fahrenheit and the plants are below water for more than 5 to 7 days, the wheat crops will not survive. There is limited information on the effect of flooding on wheat when temperatures are below 40 degrees Fahrenheit. Under cooler temperatures, the negative effects of flooding take longer to impact plant tissues, so winter wheat can tolerate flooding beyond the limits described above for summer conditions.

The Analysis of agricultural damages relies upon detailed studies that the US Army Corps of Engineers (USACE) performed for a flood project in nearby Hancock County. Much of the data USACE used in the analysis represented national or regional data. Where relevant and available, the project team substituted data for Richland County.

Resources published by the USDA National Water Management Center describe the methodology for evaluating crop flood damage. The resources are available online.³⁵ The agricultural damages estimation used the following basic data:

- The U.S. Department of Agriculture (USDA) and National Agricultural Statistics Service (NASS) data sources provided land use, average crop production (bushels per acre), and crop progress and condition by month in Hancock and Putnam Counties.
- The Agricultural Resource Management Survey (ARMS) provided farm operation costs per acre (crop production costs). ARMS is jointly sponsored by USDA's Economic Research Service (ERS) and the National Agricultural Statistics Service (NASS).
- The USDA Economic Research Service provided the 2016 normalized production value per acre by county and crop (based on 5-year lagged averages of actual market prices).

Floodwater damage percentages indicate the average monthly yield loss compared to flood-free conditions. The percentages vary according to the depth and duration of the flood event. The US Army Corps of Engineers (USACE) vetted these estimates with a nearby County Soil and Water Conservation District. The estimated number of acres flooded for the with—and without-project conditions for the 100-year event for each of the two scenarios.

The method for calculating agricultural benefits began with identifying land use and cropping patterns. The study focused on the three primary crops grown in the study area: soybeans, corn, and wheat.

According to the crop distribution, the analysis identified the acres as soybean, corn, or wheat crops. The damages were valued by analyzing the production function of farmland under the with- and without-project alternatives. Assuming the cropping pattern did not change; the benefit was determined by using the applicable farm budget and the likelihood of a yield loss and/or need for replanting according to each month of the year.

³⁵ USDA, Natural Resources Conservation Service, National Water Management Center. Flood Damage Assessment Tools. https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/nwmc/partners/?&cid=nrcs143_009725

The reduction in crop yield because of flooding was estimated from publications and work on other studies (Butzen, 2010; Elmore and Abendroth, 2008; Nielsen, 2011; Pedersen, 2008; Ransom, 2009; Thomison, 2012), but primarily from the USDA Natural Resources Conservation Service study, *Final Supplementation Watershed Plan No. 1, and Environmental Assessment for Big Slough Watershed*.

The analysis calculated replanting costs by summing up the costs per seed, fertilizer, chemicals, hired labor, and opportunity cost of unpaid labor. The analysis calculated total damages (complete loss of crop) for each month by multiplying the average value of the crop per acre and adding the replanting cost, if necessary, by the percentage yield loss. The analysis assumes damage would occur in two scenarios: in the case of 2 to 3 days of flooding or in the case where there were more than three days of flooding.

To estimate the damages for each of these scenarios and each flood event, the analysis multiplies the full damages for each month by the corresponding probability that each flood event would occur in that particular month. The probability of a flood event occurring in a particular month uses data from the U.S. Geological Survey (USGS).

The analysis then multiplies the damages for each scenario by the corresponding number of acres damaged for each crop and for each flood event. The NED benefit is the net increase in yield attributable to a with-project alternative.

Environmental and Land Use Benefits

Environmental benefits of changes in land use resulting from the conversion of land and properties to facilitate the implementation of a Flood Risk Reduction Program can be substantial. Environmental benefits are an important component of flood protection benefits. Federal Emergency Management Agency (FEMA) guidance contends specified types of environmental benefits may be realized when land is returned to open space uses. Land purchase is a significant cost attributed to the Flood Risk Reduction Programs. However, new uses of the purchased properties can provide economic benefits.

FEMA allows environmental benefits to be considered in the evaluation of acquisition projects under its Hazard Mitigation Assistance (HMA) Programs.³⁶ Therefore, in accordance with the FEMA guidance, this project includes environmental benefits in the benefit cost analysis (BCA). The objective is to determine the benefits and costs under The Program.

The project may include the purchase, use, and conversion of lands among various land use types. Each of these land acquisitions and conversions may provide environmental benefits beyond the avoidance of structure damage. Changes in land value are benefits of protected lands from the maintenance of the HRCDFlood Risk Reduction system.

The estimation methodology relies upon environmental values of different land use classes that FEMA developed. The analysis couples these values with data provided on the acreage of the converted lands for four types of land use classifications. The four pre-flood and post-flood mitigation land classifications are:

³⁶ U.S. Department of Homeland Security, "Consideration of Environmental Benefits in the Evaluation of Acquisition Projects under the Hazard Mitigation Assistance (HMA) Programs," FEMA Mitigation Policy – FP-108-024-01, June 18, 2013.

Green Open Space - Defined as land allowed to revert to a natural state or be converted into park-like settings.

Riparian Areas - Similar to Green Open Space, but the land is located along a water feature such as the stream, creek, or river. These areas serve as a buffer to improve water quality entering the stream, as well as reducing erosion potential.

Agricultural Land - Acquired land that remains agricultural and is either leased or sold back for agricultural purposes.

Wetlands - A wetland is an area whose soil is permanently or seasonally saturated with moisture.

FEMA provides environmental values for the four types of land. The relevant report states:

“FEMA has identified and quantified environmental benefits for mitigation activities. Incorporating environmental benefits into the overall quantification of benefits for acquisition-related activities supports the Flood Insurance and Mitigation Administration’s (FIMA’s) mission of risk reduction, environmental compliance, and preservation of the natural and beneficial functions of the floodplain.”³⁷

In addition, FEMA has developed an Excel-based “Environmental Benefits Calculator for Acquisition Projects” and a policy statement on the consideration of environmental benefits.³⁸ Finally, a more detailed report provides detailed environmental benefits for many land use types and the methodology and data used to estimate the values.³⁹ Exhibit 11-1 provides these values in monetized benefits per acre per year.

The project team adjusted these values for use in this project. First, the analysis updated the data from 2011 values to 2021 values using the U.S. Bureau of Labor Statistics (BLS) Consumer Price Index (CPI) Inflation Calculator.⁴⁰ The CPI inflation calculator uses the All-Urban Consumers (CPI-U) U.S. city average series for not seasonally adjusted items. This data represents changes in the prices of all goods and services purchased for consumption by urban households. The analysis used the CPI change from February 2011 to February 2018.

Next, the analysis eliminated the benefits of Erosion Control and Flood Hazard Reduction from the Riparian Areas post-project land use category. The project team did this to eliminate double counting, as the analysis already accounts for these items' benefits in categories such as structural benefits.

Significance of Environmental Benefits in Ohio Flood Mitigation

³⁷ FEMA, Hazard Mitigation Assistance Guidance, Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program, Federal Emergency Management Agency Department of Homeland Security, Washington, DC, February 27, 2015.

³⁸ U.S. Department of Homeland Security, “Consideration of Environmental Benefits in the Evaluation of Acquisition Projects under the Hazard Mitigation Assistance (HMA) Programs,” FEMA Mitigation Policy – FP-108-024-01, June 18, 2013.

³⁹ Final Sustainability Benefits Methodology Report, Federal Emergency Management Agency, Department of Homeland Security, Developed under Contract HSFEHQ-10-D-0806, Task Order HSFEHQ-11-J-1408, Washington, D.C., August 23, 2012

⁴⁰ U.S. Bureau of Labor Statistics, https://www.bls.gov/data/inflation_calculator.htm

Periodic or seasonal riverine flooding is a natural event that can result in adverse and beneficial environmental impacts. Floodplain planning and management can modify these adverse impacts and may lead to the loss of some beneficial effects. The dam construction and maintenance of the HRC D have helped form the community that exists in 2023. Modifications to the upper catchment response to precipitation, adding river flow and sediment controls, as well as new land use patterns in flood risk areas can all complicate the natural flood regime, causing impacts to the environment that can be substantial based on the environmental valuation of land categories estimated by FEMA and discussed above.

Recognizing the substantial environmental impacts of flood events has led to action by the federal government to address the issue directly. For example, The Food, Conservation, and Energy Act of 2008 (often referred to as the 2008 Farm Bill) directed the USDA to facilitate the participation of American farmers, ranchers, and forest landowners in environmental markets. Since 2008, USDA has established the Office of Environmental Markets, supporting market development nationwide by developing tools and analyzing market barriers. The Office of Environmental Markets also works closely with other USDA agencies, such as The Natural Resources Conservation Service and Economic Research Service, on market-related activities.

In 2023, FEMA updated the 2015 Hazard Mitigation Assistance Guidance, Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program, reaffirming and updating the requirements for benefit-cost analyses to qualify for flood-related pre-disaster mitigation grants. The updated FEMA Guidance includes environmental benefits as a key component of flood mitigation BCA. Indeed, the FEMA Ecosystem Services Benefits Calculator (ESBC) spreadsheet is used in conjunction with the FEMA BCA Tool Kit to estimate the environment's benefits from proposed mitigation projects. This study employed a similar process.

In Ohio, the revaluation of benefits studies conducted by other conservancy districts has included environmental damages avoided and benefits established by their revised plans. For example, the Shelby, Ohio study estimated that environmental benefits accounted for about 22 percent of total benefits, or about \$6.5 Million. A study in Findlay, Ohio, also found environmental benefits of over \$62 Million, accounting for 23 percent of total benefits.

Estimation of Other Benefits

This study is unique as the benefit estimation concerns the avoidance of a flood event that has never occurred since the HRC D system was developed. Assuming that the HRC D System is well maintained, modernized, and modified as needed in the future, the current level of protection can be maintained. The HRC D flood risk minimization system has provided this level of protection for over sixty years.

The challenge presented to the study team was to estimate the expected annual losses if the HRC D system had never been developed. It is an attempt to understand the value that the well-maintained HRC D system provides to the households, public facilities, and businesses that are located within the HRC D. For potential benefits to structures, residences, businesses, public facilities, vehicles, or others, the engineers can use the FEMA and Corps of Engineers models to simulate flood events over time.

Assumptions about expected precipitation, land elevation, and river flow allow estimates of structure damage from inundation.

The simulation analysis was conducted in both the Study Site and the Policy Site. This allows a comparison of the level of structural damage in the Study Site to that estimated for the Policy site and a further observation of the “Other Damages” that resulted from the flood impact in the Study Site. In the study site, the damage to the business structure is about twice the damage to the residential structure. This is the reverse of the simulation conducted in the Policy City. This difference reflects the unique characteristics of the two communities. This analysis used the Residential Structure damages as the basis for estimating the Other Benefits categories. This ratio reasonably represents the Other Damages that might occur in the Policy Site.

Exhibit 6-3 provides the average annual benefits and costs in 2021 dollars from the Policy Site and the Study Site. The expected annual cost for the HRCD's ongoing operations, maintenance, and capital improvements over the next fifty years is \$569,000 in 2021 dollars. These expenditures are expected to offer the community about \$1.64 Million in expected average annual benefits (EAAB) in 2021 dollars. This produces a benefit-cost ratio (B/CR) of about 2.88. The availability of matching HRCD funds will also give the District access to about \$500,000 per year in grant funds from state and federal agencies and other sources.

Exhibit 6-3: Benefits by Category, Study Site, and Policy Site (2021 \$, Thousands)

| Category | Study Site | | Lancaster City, Fairfield County | | |
|-------------------------|---------------------------|------------------------------|----------------------------------|------------------------------|--------------------|
| | Costs (Net Present Value) | Benefits (Net Present Value) | Costs (Net Present Value) | Benefits (Net Present Value) | Benefit/Cost Ratio |
| Project Construction | \$ 40,359 | | \$ 569 | | |
| Residential Structures | | \$ 2,897 | | \$ 266 | |
| Business Structures | | \$ 5,420 | | \$ 131 | |
| Vehicles | | \$ 2,036 | | \$ 98 | |
| Transport | | \$ 1,112 | | \$ 102 | |
| Emergency Response | | \$ 1,076 | | \$ 99 | |
| NFIP Admin. | | \$ 1,365 | | \$ 125 | |
| Business Loss | | \$ 1,074 | | \$ 99 | |
| Business Cleanup | | \$ 922 | | \$ 85 | |
| Business Emergency Prep | | \$ 301 | | \$ 28 | |
| Agriculture | | \$ 66 | | \$ 6 | |
| Environment | | \$ 6,549 | | \$ 601 | |
| Total | | | \$ 569 | \$ 1,639 | 2.88 |

Two Other Benefit categories that were included in the Study Site analysis were not included in the Policy Site analysis: Construction Impacts and Intensification of use benefits. In this study, the proposed capital expenditures are relatively small, and it is unclear whether these projects would impact local employment and income. Therefore, these potential benefits were not quantified. The HRCD system was built over 60 years ago. If it had not been built, Fairfield County and the City of Lancaster would have developed differently due to the likely occurrence and continuing threat of

damaging floods like the 1948 flash flood. It is challenging to envision how the community would have developed and coped with such flood risks.

Some research has shown that severe flood experiences have reduced the community's economic vitality. A body of research shows that the impact of flooding on property values is from about a 5% to about 30% reduction after severe flooding. Lancaster and Fairfield County have certainly benefited from higher property values because of the success of the HRCDF, providing flood protection for over 60 years. Estimating the value of this benefit is challenging, but the average of the previous studies suggests about a 13% impact on property values. In the 500-year floodplain, the County Appraisers' Office estimates the current value of all structures at about \$300 Million. If 13 percent of that value were associated with the flood protection provided by HRCDF over the past sixty years, that would be about \$39 Million in added value to the community. That is almost twenty-five times greater than the benefits estimated in this study.

7: Benefit-Cost Analysis Results

This section summarizes and compares the data on benefits and costs developed in the previous sections of this report. It begins with an overview of Conservancy District Law, summarizes costs, summarizes benefits, compares costs to benefits, and then concludes with the presentation of benefit-cost ratios.

For the Conservancy Court to approve a reappraisal of benefits, it must determine that the benefits exceed the cost. In Muskingum Watershed Conservancy District vs. Clow, 57 Ohio App. 132 (Fifth District 1937), the syllabus of the court discussed section 6828-33 of the General Code (now R.C. §6101.34) and stated that it was essential “that it be determined as a matter of fact that the estimated cost of the improvement is less than the benefit appraised.” The Court also noted that the term “cost,” as used in this section, means the cost to the district and does not include contribution by the Federal Government or by the State of Ohio.

The primary purpose of this report is to evaluate the benefits and costs of the HRCD Flood Risk Reduction Program, including the proposed maintenance activities in the Program Plan. From a legal perspective, it is important to consider the benefits and costs of the entire program from its inception. The timing of the construction activities and costs and the period where benefits accrue determine the present value of benefits and costs. The analysis assumes the stream of project costs and benefits continues for 50 years after completing all project phases.

Exhibit 7-1 summarizes the costs and benefits of the ongoing maintenance plan under consideration. The net present value of costs equals \$569,000. The net present value of benefits equals \$1,639,000 for the assumption that the HRCD system provides the region flood protection benefits.

Exhibit 7-4: Cost and Benefits of the HRCD Flood Risk Reduction Program (2021\$, Thousands)

| Scenario | Benefits | O&M Plus Capital Costs | Net Benefits | Benefit Cost Ratio |
|-------------------------|----------|---------------------------|--------------|-----------------------|
| Maintain HRCD System | \$1,639 | \$569 | \$1,070 | 2.88 |

Economists typically compare the present values of benefits and costs in two ways. One is to calculate the difference between the benefits and the costs. Economists referred to this as the net present value (NPV). If this value is larger than zero, benefits exceed costs, and the project is economically justified. The second method is to calculate the ratio of benefits to costs. If the benefit-cost ratio (B/C Ratio) exceeds one, the project is economically justified.

Exhibit 7-1 also presents the results of the benefit-cost analysis in terms of net benefits and benefit-cost ratio. The net benefits are positive, and the cost-benefit ratios exceed one. Therefore, the continued maintenance of the HRCD flood control system is economically justified. For each dollar invested, communities will receive about \$2.88 in continued flood protection.

Exhibit 7-2 summarizes the individual benefits described in the previous chapters and provides the present values of each benefit over the expected 50-year program analysis period. Overall, the Benefit/Cost Ratio is 2.88.

Exhibit 7-5: Present Value Benefits and Costs (2021\$, Thousands)

| Category | Lancaster City, Fairfield County | | |
|-------------------------|------------------------------------|---------------------------------------|---------------------------|
| | Costs (Net Present Value) | Benefits (Net Present Value) | Benefit/ Cost Ratio |
| Project Construction | \$ 569 | | |
| Residential Structures | | \$ 266 | |
| Business Structures | | \$ 131 | |
| Vehicles | | \$ 98 | |
| Transport | | \$ 102 | |
| Emergency Response | | \$ 99 | |
| NFIP Admin. | | \$ 125 | |
| Business Loss | | \$ 99 | |
| Business Cleanup | | \$ 85 | |
| Business Emergency Prep | | \$ 28 | |
| Agriculture | | \$ 6 | |
| Environment | | \$ 601 | |
| Total | \$ 569 | \$ 1,639 | 2.88 |

Exhibits 7-3 and 7-4 summarize the individual benefits and BCR for HRCD in graphical form.

Exhibit 7-6: Present Value Benefits, by Category (2021\$, Thousands)

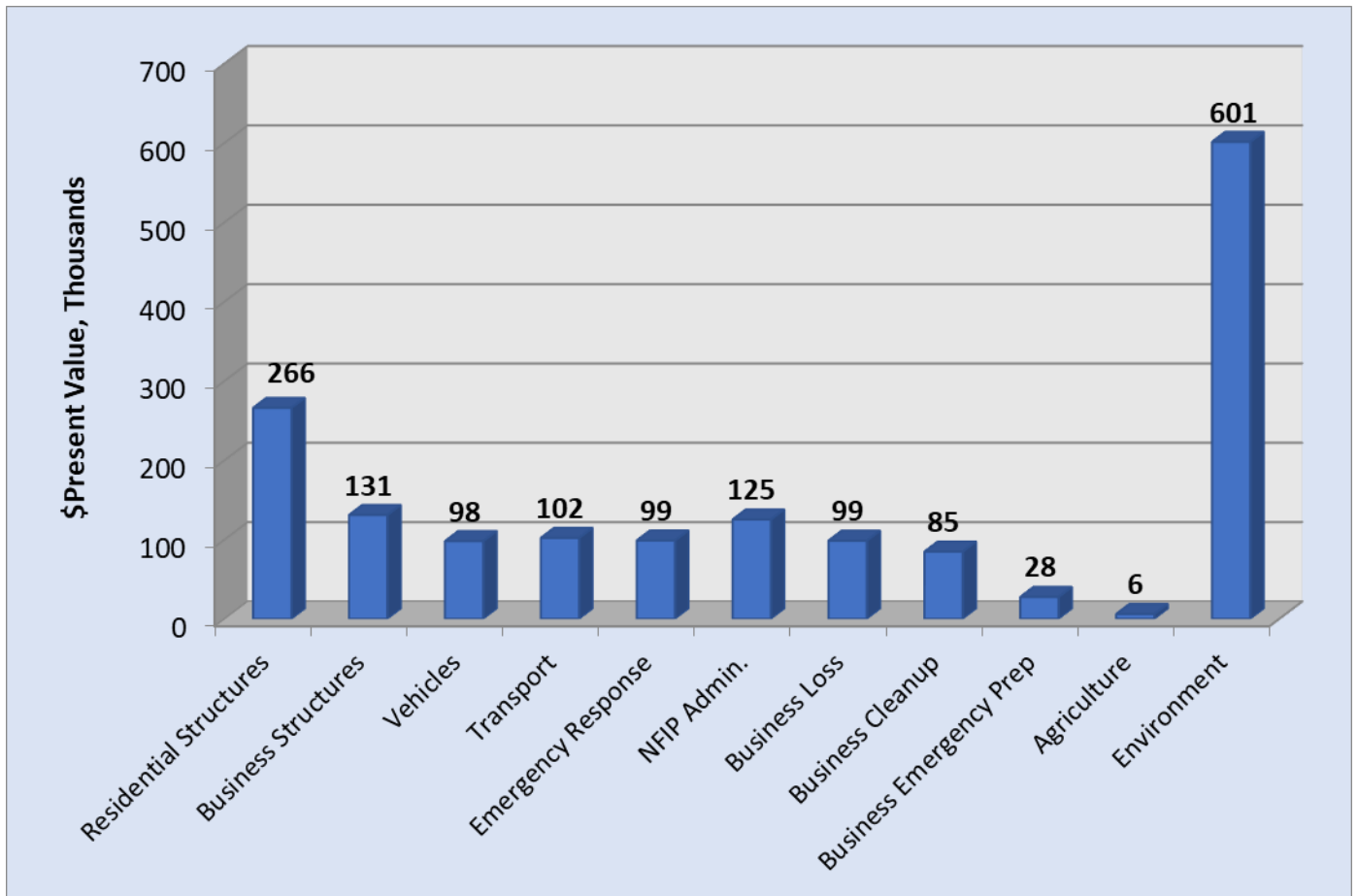
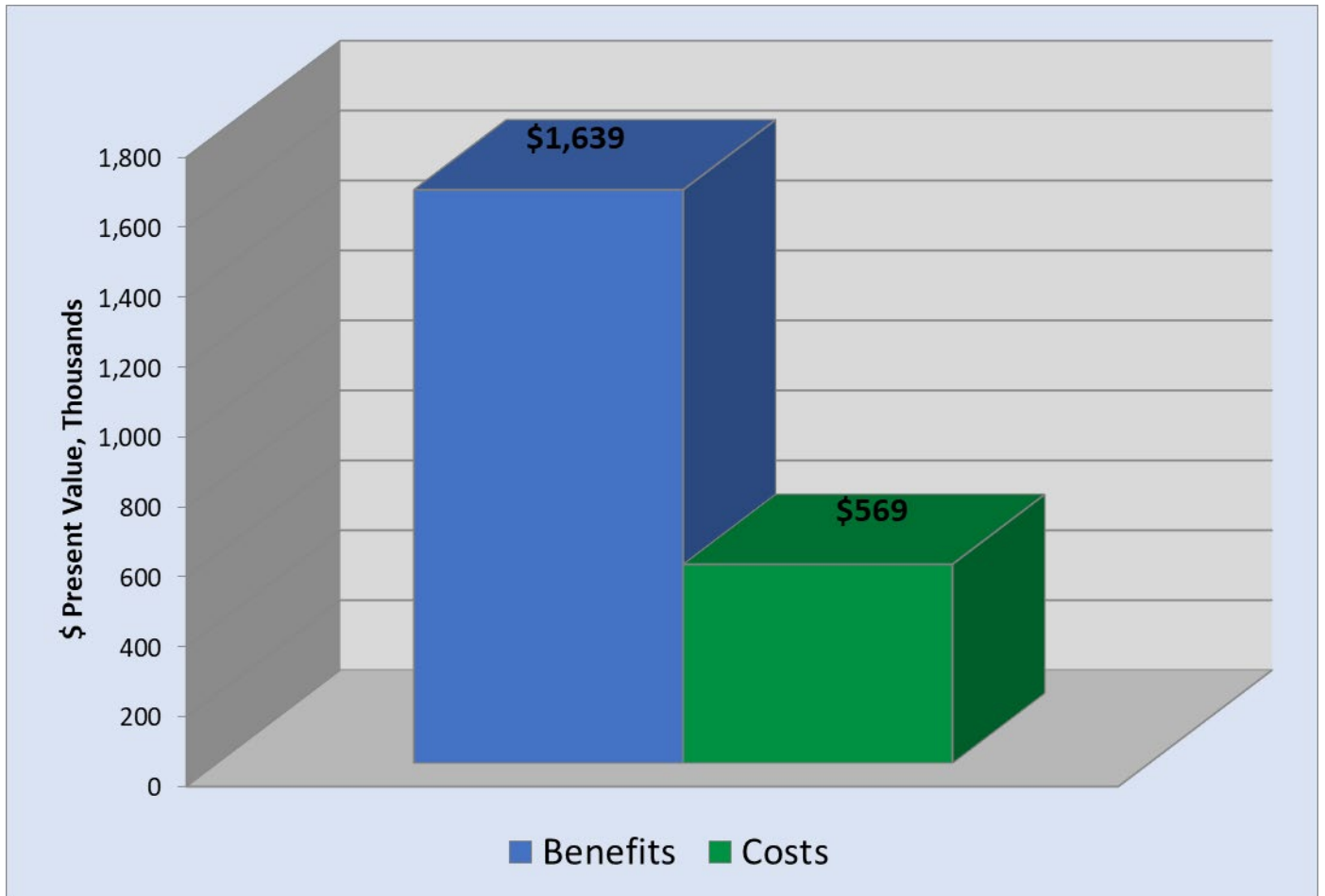


Exhibit 7-4: Benefits and Cost (2021\$, Thousands)



Appendix A: Present Value of HRCDD

| Yr. | Year | Operations & Maintenance Cost 2021 Dollars | Capital Cost | Total Costs in 2021 Dollars | Net Present Value |
|-----|--------------|---|------------------|--------------------------------|----------------------|
| 1 | 2020 | 198,827 | | 198,827 | 198,827 |
| 2 | 2021 | 237,415 | | 237,415 | 235,999 |
| 3 | 2022 | 161,249 | | 161,249 | 159,331 |
| 4 | 2023 | 283,750 | | 283,750 | 278,703 |
| 1 | 2024 | 550,056 | 250,000 | 800,056 | 800,056 |
| 2 | 2025 | 531,698 | 250,000 | 781,698 | 777,036 |
| 3 | 2026 | 547,409 | 250,000 | 797,409 | 787,926 |
| 4 | 2027 | 547,409 | 250,000 | 797,409 | 783,226 |
| 5 | 2028 | 547,409 | 250,000 | 797,409 | 778,555 |
| 6 | 2029 | 547,409 | 250,000 | 797,409 | 773,911 |
| 7 | 2030 | 547,409 | 250,000 | 797,409 | 769,296 |
| 8 | 2031 | 547,409 | 250,000 | 797,409 | 764,707 |
| 9 | 2032 | 547,409 | 250,000 | 797,409 | 760,146 |
| 10 | 2033 | 547,409 | 250,000 | 797,409 | 755,613 |
| 11 | 2034 | 547,409 | 250,000 | 797,409 | 751,106 |
| 12 | 2035 | 547,409 | 250,000 | 797,409 | 746,626 |
| 13 | 2036 | 547,409 | 250,000 | 797,409 | 742,173 |
| 14 | 2037 | 547,409 | 250,000 | 797,409 | 737,747 |
| 15 | 2038 | 547,409 | 250,000 | 797,409 | 733,347 |
| 16 | 2039 | 547,409 | 250,000 | 797,409 | 728,973 |
| 17 | 2040 | 547,409 | 250,000 | 797,409 | 724,625 |
| 18 | 2041 | 547,409 | 250,000 | 797,409 | 720,303 |
| 19 | 2042 | 547,409 | 250,000 | 797,409 | 716,007 |
| 20 | 2043 | 547,409 | 250,000 | 797,409 | 711,737 |
| 21 | 2044 | 547,409 | | 547,409 | 485,682 |
| 22 | 2045 | 547,409 | | 547,409 | 482,786 |
| 23 | 2046 | 547,409 | | 547,409 | 479,906 |
| 24 | 2047 | 547,409 | | 547,409 | 477,044 |
| 25 | 2048 | 547,409 | | 547,409 | 474,199 |
| 26 | 2049 | 547,409 | | 547,409 | 471,371 |
| 27 | 2050 | 547,409 | | 547,409 | 468,559 |
| 28 | 2051 | 547,409 | | 547,409 | 465,765 |
| 29 | 2052 | 547,409 | | 547,409 | 462,987 |
| 30 | 2053 | 547,409 | | 547,409 | 460,225 |
| 31 | 2054 | 547,409 | | 547,409 | 457,480 |
| 32 | 2055 | 547,409 | | 547,409 | 454,752 |
| 33 | 2056 | 547,409 | | 547,409 | 452,040 |
| 34 | 2057 | 547,409 | | 547,409 | 449,344 |
| 35 | 2058 | 547,409 | | 547,409 | 446,664 |
| 36 | 2059 | 547,409 | | 547,409 | 444,000 |
| 37 | 2060 | 547,409 | | 547,409 | 441,352 |
| 38 | 2061 | 547,409 | | 547,409 | 438,719 |
| 39 | 2062 | 547,409 | | 547,409 | 436,103 |
| 40 | 2063 | 547,409 | | 547,409 | 433,502 |
| 41 | 2064 | 547,409 | | 547,409 | 430,916 |
| 42 | 2065 | 547,409 | | 547,409 | 428,346 |
| 43 | 2066 | 547,409 | | 547,409 | 425,791 |
| 44 | 2067 | 547,409 | | 547,409 | 423,252 |
| 45 | 2068 | 547,409 | | 547,409 | 420,727 |
| 46 | 2069 | 547,409 | | 547,409 | 418,218 |
| 47 | 2070 | 547,409 | | 547,409 | 415,724 |
| 48 | 2071 | 547,409 | | 547,409 | 413,244 |
| 49 | 2072 | 547,409 | | 547,409 | 410,780 |
| 50 | 2073 | 547,409 | | 547,409 | 408,330 |
| | Total | 28,238,627 | 5,000,000 | 33,238,627 | 28,440,922 |



Appendix B: Stantec Budget Memorandum



| | | | |
|-------|--|-------|--|
| To: | Michael F. Lawrence Jack Faucett Associates | From: | David Hayson Stantec Consulting Services Inc. |
| File: | 173410638 | Date: | August 3, 2023 |

Reference: HRCD – Readjustment of Appraisal of Benefits – Budget Memo

BACKGROUND

The Hunters Run Conservancy District (HRCD) has a boundary covering the 49 square mile Hunters Run and Upper Hocking River watershed in Fairfield County, Ohio. The HRCD was established in March 1952 primarily to act as the local sponsor to implement a Work Plan prepared by the US Department of Agriculture – Soil Conservation Service (SCS). The May 1954 amended Work Plan proposed construction of eight flood control structures and twenty-two sedimentation control structures within the District boundary to reduce and detain potential flood waters, reduce soil erosion and sediment transport, and improve local economic conditions.

The current HRCD system includes twenty-eight dams constructed by the SCS (Now USDA - Natural Resources Conservation Service (NRCS)) between 1954 and 1960. Each of these structures are operated and maintained by the HRCD. These structures provide benefit to property owners in the watershed and to residents of Fairfield County. The primary benefit is the reduction in peak flow from the upper areas of the Hunters Run and Upper Hocking River Watershed which in turn, reduces the risk of flooding to downstream property and infrastructure. Figure 1 shows the HRCD district boundary and locations of the flood / sedimentation control structures.

The HRCD is seeking to readjust their appraisal of benefits per the Ohio Revised Code (ORC) Section 6101.54 for the maintenance assessments under ORC 6101.53. Stantec Consulting Services Inc. (Stantec) is providing consulting services to Jack Faucett Associates, Inc. (JFA) who was hired by HRCD to support its reappraisal of benefits assessment. Part of Stantec's scope included the documentation of a baseline District budget and development of a future needs assessment based on information provided by the District. This technical memorandum documents the projected HRCD budget, and the data used to inform it.

Reference: HRC D – Readjustment of Appraisal of Benefits – Budget Memo

BASELINE OPERATING BUDGET

Stantec first developed a baseline operating budget for the district based on past HRC D expenses. Lindel Jackson, Board of Directors President for HRC D, provided 2020 and 2021 actual annual District expenditures on June 27th, 2022. On December 14th, 2022, the expenses incurred through the end of November 2022, and forecasted for December 2022, were provided to Stantec by Mr. Jackson. Table 1 summarizes those costs.

Table 1 – 2020 through 2022 Actual Expenditures for HRC D

| | 2020 | 2021 | *2022 |
|----------------------------------|------------------|------------------|------------------|
| Payroll | | | |
| Payroll / Benefits / BWC / etc. | \$25,106 | \$27,783 | \$33,514 |
| SUB TOTAL | \$25,106 | \$27,783 | \$33,514 |
| Expenses | | | |
| Insurance | \$4,125 | \$3,749 | \$5,073 |
| Legal Fees | \$6,853 | \$5,750 | \$4,305 |
| State Audit | \$0 | \$574 | \$0 |
| Director Expenses | \$0 | \$773 | \$0 |
| Mileage/Travel | \$1,199 | \$808 | \$263 |
| ODNR Dam Inspection Fee | \$7,656 | \$7,560 | \$7,560 |
| Loan Payment Fairfield County | \$0 | \$0 | \$20,000 |
| Bank Service Fee | \$24 | \$0 | \$0 |
| Phone Service | \$0 | \$0 | \$1,849 |
| SUB TOTAL | \$19,857 | \$19,214 | \$39,049 |
| Services | | | |
| Vegetation Services | \$65,957 | \$41,406 | \$46,574 |
| Maintenance Contracts | \$20,892 | \$31,158 | \$2,538 |
| Consultant Contract | \$50,674 | \$16,524 | \$25,604 |
| Other Contracts | \$3,699 | \$1,511 | \$0 |
| Matching Funds | \$0 | \$66,500 | \$0 |
| SUB TOTAL | \$141,222 | \$157,098 | \$74,715 |
| Supplies / Incidentals | | | |
| Fuel | \$3,565 | \$5,174 | \$6,832 |
| Administration / Office Supplies | \$1,807 | \$1,732 | \$1,703 |
| Equipment Repairs | \$3,980 | \$82 | \$457 |
| Materials and Supplies | \$2,784 | \$3,748 | \$4,532 |
| Miscellaneous | \$509 | \$600 | \$447 |
| SUB TOTAL | \$12,643 | \$11,337 | \$13,971 |
| Equipment Purchases | | | |
| Truck and Accessories | \$0 | \$21,984 | \$0 |
| SUB TOTAL | \$0 | \$21,984 | \$0 |
| TOTAL | \$198,827 | \$237,415 | \$161,249 |

*December 2022 is forecasted

Reference: HRCO – Readjustment of Appraisal of Benefits – Budget Memo

FUTURE OPERATING BUDGET

Based on past expenditures, projected potential operating expenses for five years from 2023 to 2027 were developed in coordination with HRCO. Two Stantec engineers, Mr. Jackson with the HRCO, and Jonathan Ferbrache of the Fairfield Soil and Water Conservation District participated in a call on December 16th, 2022, to discuss the proposed spending plan and additional operating cost assumptions to be made. No additional analyses or research was performed by Stantec to verify these expenditures independent of HRCO. Table 2 shows a summary of the projected baseline operating budget for 2023 through 2027 based on the call from December 16th, 2022. Following the call, Mr. Jackson provided Stantec with the 2023 HRCO proposed budget, which generally aligned with the discussion that took place on December 16th, 2022.

Table 2 – Hunters Run Actual Spend (2020-2022), with 2023-2027 Operating & Maintenance Expenses Projected

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Payroll | \$25,106 | \$27,783 | \$33,514 | \$51,900 | \$176,099 | \$183,143 | \$188,638 | \$188,638 |
| Expenses | \$19,857 | \$19,214 | \$39,049 | \$45,700 | \$71,554 | \$34,376 | \$35,407 | \$35,407 |
| Services | \$141,222 | \$157,098 | \$74,715 | \$166,100 | \$271,500 | \$282,360 | \$290,831 | \$290,831 |
| Supplies / Incidentals | \$12,643 | \$11,337 | \$13,971 | \$20,050 | \$22,903 | \$23,819 | \$24,533 | \$24,533 |
| Equip. Purchases | \$0 | \$21,984 | \$0 | \$0 | \$8,000 | \$8,000 | \$8,000 | \$8,000 |
| Operating & Maintenance Expenses | \$198,827 | \$237,415 | \$161,249 | \$283,750 | \$550,056 | \$531,698 | \$547,409 | \$547,409 |

Assumptions made for the future operating budget include:

- Overall
 - 2023 projected expenses are generally increased by 5% to calculate 2024 expenses.
 - 2024 projected expenses are generally increased by 4% to calculate 2025 expenses.
 - 2025 projected expenses are generally increased by 3% to calculate 2026 expenses.
 - 2027 projected expenses are equal to 2026 expenses.
- Payroll
 - One additional staff member hired in 2024. Benefits / payroll taxes increase based on past ratios.
- Expenses
 - Legal fees are increased beginning in 2024 to account for the assessment process.
 - State audit occurs every five years with the next audit occurring in 2024.
 - Fairfield County loan (2022-2024) will be paid off after 2024.
 - Board of appraisers will be compensated in 2024 and 2025.
- Services
 - Vegetation maintenance increases begin in 2024.
 - Mailings / PR will increase beginning in 2023
 - Consultant / Other Maintenance contracts to begin in 2023.
 - o No dredging activities are planned at this time
- Equipment Purchases
 - Budget for a truck will be saved starting in 2024 and will continue for seven years.

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Reference: HRCD – Readjustment of Appraisal of Benefits – Budget Memo

ADDITIONAL FUTURE COSTS

CAPITAL COSTS

In addition to the baseline operating and maintenance expenditure projections, future capital projects will be necessary for the HRCD system. We understand that the HRCD has been coordinating with the NRCS and Ohio DNR to develop a plan for addressing deficiencies and deferred maintenance for the 28 dams in the HRCD Work Plan. In a letter from NRCS dated May 12, 2023, the following plan was noted:

- The HRCD Work Plan amendment expectation is to release the following structures over the next 20 years if reasonable agreements can be reached with landowners (in numeric order): S-4, R-3, R-7, R-13, R-14, R-15, R-25, R-33, R-37, R-47, R-57 and R-65.
- The HRCD Work Plan will retain and modernize the following structures over the next 30 years (in numeric order): Structures #1, #2, #3 (assuming land rights are addressed), #4, #5, #6, #9, R-18, R-21, R-41, R-42, R-46 (unless Bloom Township will receive it), R-61 (until R-63 spillway is addressed), and R-63.
- The HRCD Work Plan will continue to maintain in compliance with active O&M agreements with NRCS (in numeric order): Structures #8 and R-23

Implementation of this plan will require capital spending at each of the 28 facilities. For the facilities to be “released” or turned-over to landowners, nominal costs for small repairs and engineering/legal services were assumed. For the other facilities, the HRCD provided the results of studies and analyses performed by others to inform the capital costs. Stantec did not perform any independent cost estimating and did not attempt to verify the accuracy or applicability of the estimates provided by HRCD or other third parties.

For Dams No. 5, R-18, R-21, R-61, and R-63, “Flood Study and Alternatives Analysis” reports from Hull & Associates, LLC (now Verdantas) were provided by HRCD. A separate report for each dam was provided. The reports presented estimates of the current condition, capacity, and downstream hazard potential of the structure, and evaluated alternatives and/or risk reduction measures in order to continue safe operation of the structure or to decommission the structure. The following assumptions were made based on reviews of the reports and discussions with HRCD:

- Dam No. 5: Assumed implementation of Alternative 5B which includes replacement of the principal spillway pipe.
- R-18: Assumed implementation of Alternative 5B which includes replacement of the principal spillway pipe and dredging of the basin.
- R-21: Assumed implementation of Alternative 5B which includes replacement of the principal spillway pipe.
- R-61: Assumed implementation of Alternative 5B which includes replacement of the principal spillway pipe. This Alternative 5B solution and cost from the R-61 report was also applied to dams R-23, R-41, R-42, and R-46.
- R-63: Assumed implementation of both Alternative 1A to widen the emergency spillway and Alternative 5B which includes replacement of the principal spillway pipe.

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Reference: HRCD – Readjustment of Appraisal of Benefits – Budget Memo

A draft alternatives screening analysis was performed by the NRCS for Dam No. 4. Results of the screening analysis were provided to Stantec in the draft document titled, "Screening_HRCD4.pdf". This document lists seven alternatives for Dam No. 4 with certain screening criteria such as Completeness, Effectiveness, Efficiency (cost), and Acceptability. Based on this document, HRCD indicated that Alternative 1 which includes raising the dam and armoring the auxiliary spillway, with a cost of \$2 Million, should be assumed. HRCD further recommended that major modifications with an estimated value of \$2 Million also be planned for Dam Nos. 1, 2, 3, and 9 as they are comparable structures.

In addition to the planned capital projects discussed above, HRCD recommended the inclusion of additional dam rehabilitation costs to account for repair or replacement of existing concrete structures at Dams No. 4, 5, 6, 9, and 12 and R-63. Mr. Ferbrache provided additional direction via email on December 28th, 2022 to account for these costs.

Table 3 summarizes the expected capital expenditure over the next 20 years with a total estimated cost of \$14,880,000.

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Reference: HRCB – Readjustment of Appraisal of Benefits – Budget Memo

Table 3 – Capital Costs Projected for 28 HRCB Structures

| Asset | Planned Costs (\$ 2023) | Description | Source |
|--------------|------------------------------------|---|--|
| Dam1 | \$2,000,000 | Major Modification | NRCS Estimate for Dam 4 Modification |
| Dam2 | \$2,000,000 | Major Modification | NRCS Estimate for Dam 4 Modification |
| Dam3 | \$2,000,000 | Major Modification | NRCS Estimate for Dam 4 Modification |
| Dam4 | \$2,450,000 | Major Modification with Concrete Rehab | NRCS Estimate for Dam 4 Modification + Concrete Repair Estimate for Dam 5 |
| Dam5 | \$1,060,000 | Principal Spillway Pipe Replacement with Concrete Rehab | Hull Flood Study Alt. 5B and Concrete Repair Estimate |
| Dam6 | \$450,000 | Concrete Rehab | Concrete Repair Estimate for Dam 5 |
| Dam8 | \$100,000 | No Action. | Contingency for Future Repairs. |
| Dam9 | \$2,900,000 | Major Modification with Concrete Rehab | NRCS Estimate for Dam 4 Modification + 2X Concrete Repair Estimate for Dam 5 |
| R-3 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-7 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-13 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-14 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-15 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-18 | \$100,000 | Principal Spillway Pipe Replacement | Hull Flood Study Alt. 5B |
| R-21 | \$270,000 | Principal Spillway Pipe Replacement | Hull Flood Study Alt. 5B |
| R-23 | \$100,000 | Principal Spillway Pipe Replacement | Hull Flood Study for R61 - PS Replacement |

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Reference: HRCB – Readjustment of Appraisal of Benefits – Budget Memo

| Asset | Planned Costs (\$ 2023) | Description | Source |
|---------------|------------------------------------|--|---|
| R-25 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-33 | \$50,000 | Divest | NRCS / HRCB Work Plan |
| R-37 | \$100,000 | Reduce Dam Height and Divest | Hull Flood Study R21 - Alt. 2 - Dam Lowering |
| R-41 | \$100,000 | Principal Spillway Pipe Replacement | Hull Flood Study for R61 - PS Replacement |
| R-42 | \$100,000 | Principal Spillway Pipe Replacement | Hull Flood Study for R61 - PS Replacement |
| R-46 | \$100,000 | Principal Spillway Pipe Replacement | Hull Flood Study for R61 - PS Replacement |
| R-47 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| R-57 | \$100,000 | Reduce Dam Height and Divest | Hull Flood Study R21 - Alt. 2 - Dam Lowering |
| R-61 | \$110,000 | Principal Spillway Pipe Replacement | Hull Flood Study Alt. 5B |
| R-63 | \$520,000 | Principal Spillway Pipe Replacement and Concrete Rehab | Hull Flood Study Alt. 1A + Alt. 5B + 50% Concrete Repair Estimate for Dam 5 |
| R-65 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| S-4 | \$30,000 | Divest | NRCS / HRCB Work Plan |
| Total: | \$14,880,000 | | |

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Reference: HRCB – Readjustment of Appraisal of Benefits – Budget Memo

Stantec Consulting Services Inc.



David Hayson PE, S

Senior Project Engineer

Phone: 513-842-8214

david.hayson@stantec.com

Attachment:

c. John Menninger, Stantec

Appendix C: Stantec Technical Memorandum

| | | | |
|-------|--|-------|--|
| To: | Michael F. Lawrence Jack Faucett Associates | From: | David Hayson Stantec Consulting Services Inc. |
| File: | 173410638 | Date: | January 5, 2023 |

Reference: HRCD – Readjustment of Appraisal of Benefits – H&H Tech Memo

BACKGROUND

The Hunters Run Conservancy District (HRCD) has a boundary covering the 49 square mile Hunters Run and Upper Hocking River watershed in Fairfield County, Ohio. The HRCD was established in March 1952 primarily to act as the local sponsor to implement a Work Plan prepared by the US Department of Agriculture – Soil Conservation Service (SCS). The May 1954 amended Work Plan proposed construction of eight flood control structures and twenty-two sedimentation control structures within the District boundary to reduce and detain potential flood waters, reduce soil erosion and sediment transport, and improve local economic conditions.

The current HRCD system includes twenty-eight dams constructed by the SCS (Now USDA- Natural Resources Conservation Service (NRCS)) between 1954 and 1960. Each of these structures are operated and maintained by the HRCD. These structures provide benefit to property owners in the watershed and to residents of Fairfield County. The primary benefit is the reduction in peak flow from the upper areas of the Hunters Run and Upper Hocking River Watershed which in turn, reduces the risk of flooding to downstream property and infrastructure. Figure 1 shows the HRCD district boundary and locations of the flood / sedimentation control structures.

The HRCD is seeking to readjust their appraisal of benefits per the Ohio Revised Code (ORC) Section 6101.54 for the maintenance assessments under ORC 6101.53. Stantec Consulting Services Inc. (Stantec) is providing engineering consulting services to Jack Faucett Associates, Inc. (JFA) who was hired by HRCD to support its reappraisal of benefits assessment. Part of Stantec's scope included a flood risk assessment, utilizing existing hydrologic and hydraulic (H&H) models, to develop comparative water surface elevations (pre- and post-construction of the flood control structures) for multiple flood recurrence intervals. This technical memorandum documents the H&H analysis and results.

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Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

HYDROLOGIC MODEL

The Federal Emergency Management Agency (FEMA) reports estimated 10%, 4%, 2%, and 1% Annual Chance Exceedance (ACE) (10-, 25-, 50-, and 100-year) peak discharges for Hunters Run and the Hocking River, as documented in the Effective Fairfield County, Ohio Flood Insurance Study (FIS) number 39045CV001C published in April 2020. These peak discharges were developed using LPIII regression on stream-gage records based on historic US Geological Survey (USGS) streamflow gaging station data available on Hunters Run (USGS No. 03156000) and the Hocking River (USGS No. 03156400). Both gages are discontinued. The FEMA peak discharges are based on stream-gage data from a time period after the flood control structures were completed (Hocking River 1956-1974, Hunters Run 1956-1976). Ungaged streams used regression equations described in Water-Resources Investigations Report 03-4164.

Since the FEMA peak discharges are based solely on data from after the flood control structures were implemented, an alternate methodology was necessary to estimate peak discharge prior to their construction. To simulate the hydrology of the watershed, Stantec leveraged an existing Hydrologic Engineering Center Hydrologic Modeling System (HEC-HMS), Version 2.2.2 (USACE 2003) hydrologic model developed by the USGS and NRCS for the 64.7 square mile Upper Hocking River basin. Figure 2 shows a schematic of the HEC-HMS model. This hydrologic model included information associated with the nine (9) major flood control structures in the system (Dams No. 1, No. 2, No. 3, No. 4, No. 5, No. 6, No. 8, No. 9, and R-63). These structures included relevant elevation-storage-outflow data that was not modified. The other minor sediment control structures were not explicitly represented in this model.

Reference: HRCO – Readjustment of Appraisal of Benefits – H&H Tech Memo



Figure 2. Upper Hocking River – HEC-HMS Schematic

Point precipitation estimates were obtained from the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 Precipitation Frequency Data Server (Reference 2) for a representative location within the watershed (Latitude: 39.7181° N; Longitude: 82.6751° W). Figure 3 shows the location of the project point precipitation depths. The HEC-HMS Version 2.2.2 model requires precipitation inputs to be converted to millimeters (mm). Since the values obtained from NOAA Atlas 14 are point precipitation estimates, an areal reduction factor (ARF) was applied considering basin-average precipitation totals. The ARF is the ratio of the basin average total precipitation to the maximum point precipitation depth at the storm center. The ARF is 0.945 for the study area based on a contributing drainage area of 64.7 square miles. Using the ARF reduces the overall watershed precipitation depth by 5.5% from the point precipitation depths. Guidance on the ARF can be found in the NOAA Atlas 14 Volume 2 report (Bonnin et al. 2006).

Reference: HRCO – Readjustment of Appraisal of Benefits – H&H Tech Memo

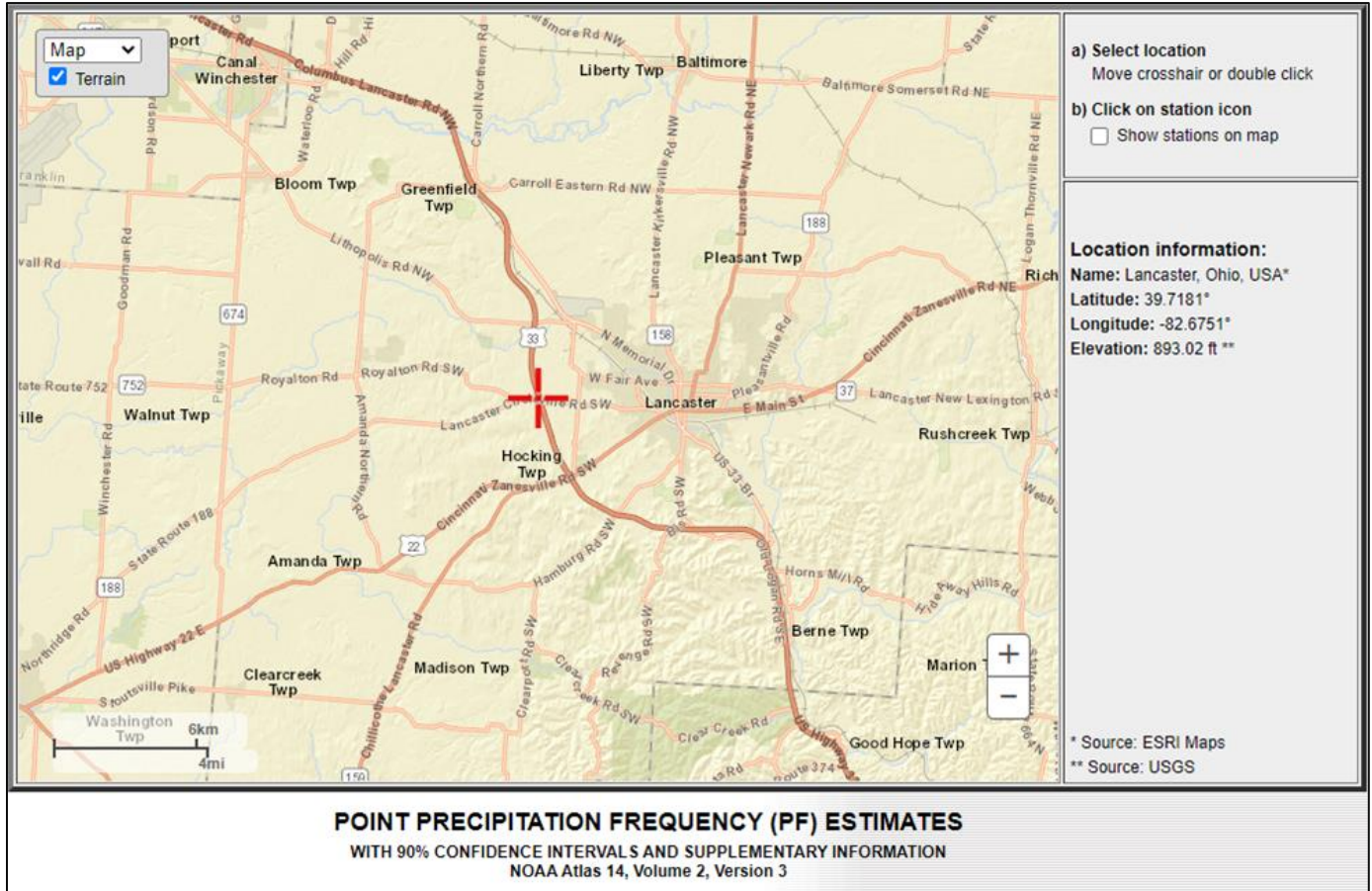


Figure 3. Location of Project Point Precipitation Depths

Table 1 shows the NOAA Atlas 14 precipitation frequency estimates and ARF adjusted values for return periods ranging from 5- to 500-years. The bolded values are those that were input to the HEC-HMS v2.2.2 model.

Table 1. NOAA Atlas 14 Point Precipitation Depths for 24-Hour Duration Storms.

| Return Period (year) | 5-Yr | 10-Yr | 25-Yr | 50-Yr | 100-Yr | 200-Yr | 500-Yr |
|----------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| *24-hour (inches) | 3.19 | 3.68 | 4.37 | 4.93 | 5.53 | 6.15 | 7.03 |
| 24-hour (mm) | 81.03 | 93.47 | 111 | 125.22 | 140.46 | 156.21 | 178.56 |
| **24-hour ARF (mm) | 76.57 | 88.33 | 104.89 | 118.33 | 132.74 | 147.62 | 168.74 |

*NOAA Atlas 14 Point Precipitation Depths for Latitude: 39.7181° N; Longitude: 82.6751° W

**Bolded values indicate values input to the HEC-HMS v2.2.2 model.

The 1st quartile (Q1) 50% temporal distribution used in the analysis was obtained from Appendix A of the NOAA Atlas 14 Volume 2 report (Bonnin et al. 2006). The Q1 50% temporal distribution can be described as having the following characteristics: (1) the majority of the total rainfall falls within the first six hours of the 24-

Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

hour storm, and (2) its representative of the median temporal distribution of each historic storm included in the NOAA Atlas 14 Volume 2 report, Appendix A (Bonnin et al. 2006), and referenced as the 50% curve.

The leveraged HEC-HMS Version 2.2.2 model requires gridded precipitation input, due to the way the model was originally developed. The precipitation depths presented in Table 1 and Figure 4 were overlaid onto a grid consistent with the original precipitation grids used in this model. A python tool that was originally developed to extract gridded NOAA Atlas 14 point precipitation estimates for a user-specified shapefile was modified to produce precipitation grids for the storms of interest. After a raster of the total storm depth is generated, the data is then disaggregated to 5-minute time steps using the Q1 50% temporal distribution described above. The raster of time series data was then converted to *.dss file using the asci2dssgrid.exe tool from within HEC-GridUtil.

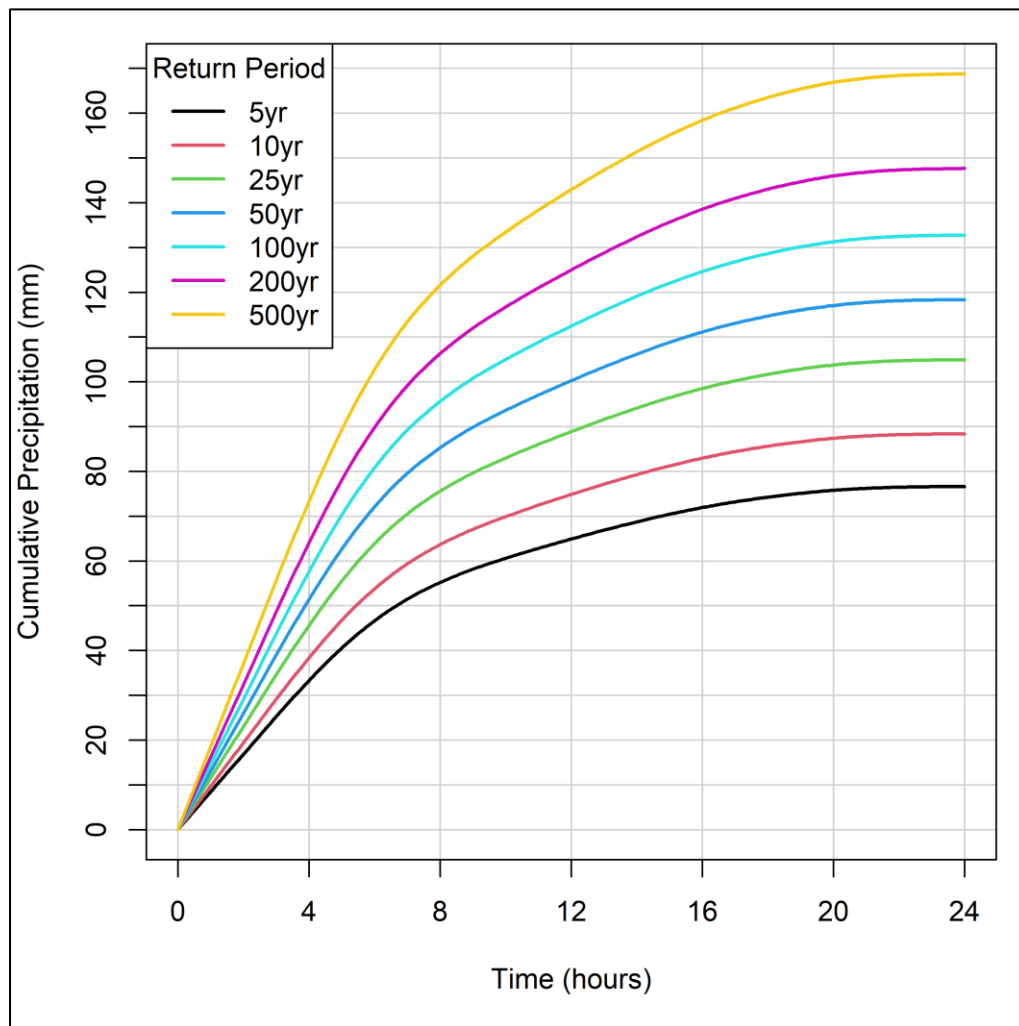


Figure 4. Cumulative Precipitation Time Series for NOAA Atlas 14 ARF Depths

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The HEC-HMS v2.2.2 model simulates the process of direct runoff from excess precipitation on a watershed. The model was set up with the modified Clark (ModClark; Kull and Feldman, 1998; Peters and Easton, 1996) model to account for variations in travel time to the watershed outlet from all regions of the watershed. The ModClark model is a distributed parameter model that explicitly considers spatial variability of characteristics and processes within a watershed.

The watershed wide HEC-HMS model was simulated for each of the seven recurrence intervals for the With-Dam, or “With-Project” scenario. Figure 5 shows the runoff hydrographs for each With-Project recurrence interval at the model outlet located at the intersection of the Hocking River and Sugar Grove Rd. A second scenario was created for Without-Dam, or “Pre-Project” conditions by removing the nine (9) major flood control structures from the model. The same recurrence intervals were simulated to obtain Pre-Project runoff hydrographs.

The Flood Damage Reduction Analysis (HEC-FDA) software (USACE) provides the capability to perform an integrated hydrologic engineering and economic analysis. The software is used for this study to compute expected annual damage (EAD). The HEC-FDA model requires eight annual exceedance probabilities in order to compute results. Therefore, Stantec added an eighth flow discharge for the 250-year storm event, in addition to the seven recurrence intervals noted above, by interpolating between the other discharges.

Reference: HRCO – Readjustment of Appraisal of Benefits – H&H Tech Memo

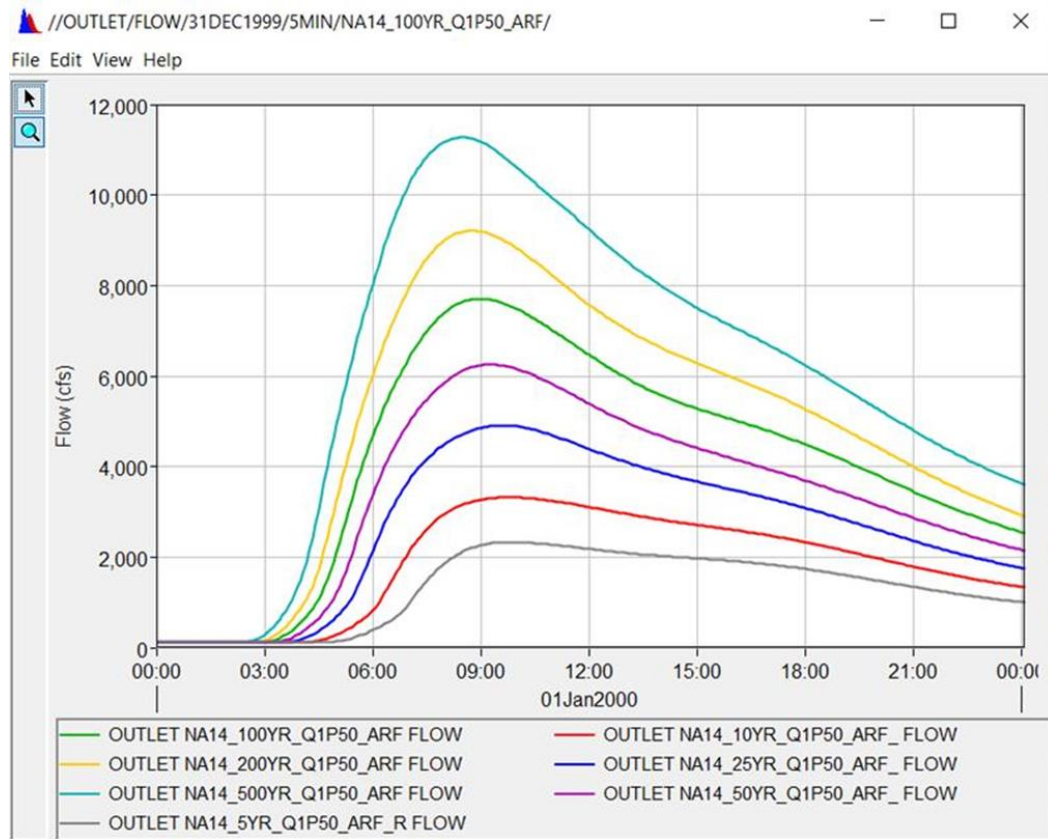


Figure 5. Runoff Hydrographs at the intersection of the Hocking River and Sugar Grove Rd (Model Outlet)

The flood control structures provide benefit in the reduction of peak flow for a range of storm events. A summary of peak discharges for the 1% ACE (100-year) storm event are listed in Table 2 (Hocking River) and Table 3 (Hunters Run) for both the With- and Without-Dam conditions at notable locations.

Table 2. Peak Discharges for the 1% ACE Storm Event on the Hocking River

| Stream | Location | 1% ACE Peak Discharge (cfs) | | % Reduction |
|---------------|------------------------|-----------------------------|-----------------|-------------|
| | | With-Project | Without-Project | |
| Hocking River | US Rt. 33 | 792 | 1,832 | 57% |
| Hocking River | Ety Road | 2,954 | 4,217 | 30% |
| Hocking River | Pierce Ave. | 3,343 | 4,504 | 26% |
| Hocking River | Lincoln Ave. | 3,528 | 4,599 | 23% |
| Hocking River | Hunters Run Confluence | 4,932 | 6,643 | 26% |
| Hocking River | S. Maple St. | 5,374 | 7,084 | 24% |
| Hocking River | Baldwin Run Confluence | 8,004 | 9,673 | 17% |

Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

Table 3. Peak Discharges for the 1% ACE Storm Event on Hunters Run

| Stream | Location | 1% ACE Peak Discharge (cfs) | | % Reduction |
|-------------|------------------------------|-----------------------------|-----------------|-------------|
| | | With-Project | Without-Project | |
| Hunters Run | Lancaster-Circleville Rd. SW | 83 | 324 | 74% |
| Hunters Run | Delmont Rd | 496 | 1,108 | 55% |
| Hunters Run | Crumley Rd SW | 958 | 1,514 | 37% |
| Hunters Run | Stonewall Creek Confluence | 1,434 | 2,322 | 38% |
| Hunters Run | Lincoln Ave. | 1,758 | 2,656 | 34% |

HYDRAULIC MODEL

The georeferenced geometries from the effective FEMA hydraulic models for the Upper Hocking River and Hunters Run were used to establish water surface profiles for both With- and Without-Dam conditions. The Upper Hocking River Hydrologic Engineering Center River Analysis System (HEC-RAS) (Reference 4) model begins downstream of Dam No. 9 and continues to Sugar Grove Rd. The Hunters Run HEC-RAS model begins downstream of Dam No. 1 and extends to the confluence with the Hocking River. Each stream is represented by one reach in the hydraulic model.

Stantec correlated HEC-HMS model junctions and subbasins to corresponding cross sections found in the HEC-RAS model. Peak flow rates were extracted from HEC-HMS at each of the model junctions for each recurrence interval to input within the steady-state HEC-RAS model.

The spatial subbasin delineations were reviewed in concert with orthoimagery and the HEC-RAS model to determine appropriate flow change locations. Table 4 shows the HEC-RAS With-Dam scenario flow change locations and the corresponding junctions where the peak discharges were extracted from HEC-HMS. Table 5 shows the HEC-RAS Without-Dam scenario flow change locations and the corresponding junctions where the peak discharges were extracted from HEC-HMS.

Table 4. Hydrologic and Hydraulic With-Dam Model Cross Section / Junction Correlation

| Stream Name | HEC-RAS Cross Section Station | HEC-HMS Junction / Subbasin Contribution | Peak Discharge (cfs) | | | | | | | |
|---------------|-------------------------------|--|----------------------|---------|---------|---------|----------|----------|-----------|----------|
| | | | 20% ACE | 10% ACE | 4% ACE | 2% ACE | 1% ACE | 0.5% ACE | *0.4% ACE | 0.2% ACE |
| | | | 5-year | 10-year | 25-year | 50-year | 100-year | 200-year | 250-year | 500-year |
| Hocking River | 49098.52 | No.9 | 95 | 135 | 192 | 347 | 542 | 713 | 714 | 754 |
| | 48684.94 | JR1590+R1590W1590 | 158 | 257 | 360 | 523 | 821 | 1,091 | 1,092 | 1,264 |
| | 42271.38 | JR1400+R1400W1400 | 328 | 428 | 563 | 675 | 792 | 911 | 951 | 1,083 |
| | 27968.04 | JR1680+R1680W1680 | 686 | 1,120 | 1,805 | 2,366 | 2,954 | 3,534 | 3,712 | 4,340 |
| | 24746.38 | JR1780+R1780W1780 | 701 | 1,132 | 1,828 | 2,404 | 3,012 | 3,617 | 3,800 | 4,460 |
| | 21844.71 | JR1800+R1800W1800 | 993 | 1,260 | 2,026 | 2,664 | 3,343 | 4,025 | 4,211 | 4,977 |
| | 17182.24 | JR1820+R1820W1820 | 1,001 | 1,284 | 2,064 | 2,728 | 3,442 | 4,163 | 4,360 | 5,178 |

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| Stream Name | HEC-RAS Cross Section Station | HEC-HMS Junction / Subbasin Contribution | Peak Discharge (cfs) | | | | | | | |
|---------------|-------------------------------|--|----------------------|-----------------|----------------|----------------|-----------------|-------------------|--------------------|-------------------|
| | | | 20% ACE 5-year | 10% ACE 10-year | 4% ACE 25-year | 2% ACE 50-year | 1% ACE 100-year | 0.5% ACE 200-year | *0.4% ACE 250-year | 0.2% ACE 500-year |
| Hocking River | 15036.07 | JR1920+R1920W1920 | 832 | 1,315 | 2,108 | 2,790 | 3,528 | 4,274 | 4,496 | 5,331 |
| | 10117.2 | JR2220+R2220W2220 | 1,308 | 1,976 | 3,049 | 3,948 | 4,932 | 5,939 | 6,206 | 7,273 |
| | 5968.066 | JR2200+R2200W2200 | 1,426 | 2,164 | 3,335 | 4,309 | 5,374 | 6,470 | 6,768 | 7,937 |
| | 2834.305 | JR2250+R2250W2250 | 2,477 | 3,494 | 5,125 | 6,510 | 8,004 | 9,548 | 9,982 | 11,660 |
| | 98.008 | Outlet | 2,332 | 3,324 | 4,913 | 6,255 | 7,707 | 9,212 | 9,636 | 11,273 |
| Hunters Run | 37625 | No.1 | 70 | 73 | 78 | 80 | 83 | 85 | 86 | 87 |
| | 32051 | JR2020+R2020W2020 | 154 | 193 | 238 | 274 | 311 | 347 | 361 | 400 |
| | 27054 | JR2190+R2190W2190 | 265 | 320 | 388 | 441 | 496 | 551 | 570 | 629 |
| | 21367 | JR2400 | 428 | 548 | 706 | 831 | 958 | 1,083 | 1,126 | 1,260 |
| | 18993.37 | No.3 | 420 | 537 | 682 | 788 | 904 | 1,022 | 1,027 | 1,095 |
| | 13985 | JR2150+R2150W2150 | 651 | 833 | 1,068 | 1,245 | 1,434 | 1,677 | 1,713 | 1,916 |
| | 5515.1 | JR2070+R2070W2070 | 683 | 880 | 1,134 | 1,324 | 1,528 | 1,772 | 1,818 | 2,032 |
| | 2728.48 | JR2080+R2080W2080 | 769 | 1,000 | 1,296 | 1,518 | 1,758 | 2,024 | 2,087 | 2,335 |

*The 0.4% ACE discharges were interpolated from the other seven recurrence intervals.

Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

Table 5. Hydrologic and Hydraulic Without-Dam Model Cross Section / Junction Correlation

| Stream Name | HEC-RAS Cross Section Station | HEC-HMS Junction / Subbasin Contribution | Peak Discharge (cfs) | | | | | | | |
|---------------|-------------------------------|--|----------------------|-----------------|----------------|----------------|-----------------|-------------------|--------------------|-------------------|
| | | | 20% ACE 5-year | 10% ACE 10-year | 4% ACE 25-year | 2% ACE 50-year | 1% ACE 100-year | 0.5% ACE 200-year | *0.4% ACE 250-year | 0.2% ACE 500-year |
| Hocking River | 49098.52 | J No.9 - Dam Removed | 198 | 313 | 555 | 767 | 997 | 1,233 | 1,299 | 1,567 |
| | 48684.94 | JR1590+R1590W1590 | 325 | 539 | 964 | 1,322 | 1,703 | 2,090 | 2,203 | 2,636 |
| | 42271.38 | JR1400+R1400W1400 | 361 | 595 | 1,046 | 1,426 | 1,832 | 2,243 | 2,364 | 2,824 |
| | 27968.04 | JR1680+R1680W1680 | 918 | 1,530 | 2,523 | 3,343 | 4,217 | 5,105 | 5,380 | 6,366 |
| | 24746.38 | JR1780+R1780W1780 | 918 | 1,517 | 2,508 | 3,336 | 4,219 | 5,123 | 5,399 | 6,408 |
| | 21844.71 | JR1800+R1800W1800 | 993 | 1,628 | 2,675 | 3,556 | 4,504 | 5,476 | 5,772 | 6,863 |
| | 17182.24 | JR1820+R1820W1820 | 1,001 | 1,622 | 2,668 | 3,567 | 4,541 | 5,547 | 5,849 | 6,988 |
| | 15036.07 | JR1920+R1920W1920 | 1,016 | 1,637 | 2,690 | 3,603 | 4,599 | 5,628 | 5,935 | 7,105 |
| | 10117.2 | JR2220+R2220W2220 | 1,506 | 2,474 | 4,000 | 5,273 | 6,643 | 8,050 | 8,488 | 10,067 |
| | 5968.066 | JR2200+R2200W2200 | 1,626 | 2,659 | 4,275 | 5,626 | 7,084 | 8,584 | 9,050 | 10,735 |
| | 2834.305 | JR2250+R2250W2250 | 2,749 | 3,890 | 5,985 | 7,764 | 9,673 | 11,630 | 12,214 | 14,427 |
| 98.008 | Outlet | 2,588 | 3,704 | 5,755 | 7,477 | 9,333 | 11,238 | 11,812 | 13,971 | |
| Hunters Run | 37625 | J No.1 - Dam Removed | 131 | 173 | 230 | 276 | 324 | 373 | 389 | 443 |
| | 32051 | JR2020+R2020W2020 | 221 | 291 | 387 | 465 | 546 | 630 | 657 | 748 |
| | 27054 | JR2190+R2190W2190 | 448 | 590 | 786 | 942 | 1,108 | 1,276 | 1,331 | 1,515 |
| | 21367 | JR2400 | 606 | 801 | 1,070 | 1,286 | 1,514 | 1,745 | 1,822 | 2,075 |
| | 18993.37 | J No.3 - Dam Removed | 600 | 794 | 1,061 | 1,276 | 1,503 | 1,733 | 1,809 | 2,061 |
| | 13985 | JR2150+R2150W2150 | 924 | 1,225 | 1,639 | 1,971 | 2,322 | 2,678 | 2,795 | 3,184 |
| | 5515.1 | JR2070+R2070W2070 | 958 | 1,273 | 1,706 | 2,054 | 2,422 | 2,794 | 2,917 | 3,326 |
| | 2728.48 | JR2080+R2080W2080 | 1,050 | 1,394 | 1,869 | 2,252 | 2,656 | 3,065 | 3,200 | 3,649 |

*The 0.4% ACE discharges were interpolated from the other seven recurrence intervals.

BOUNDARY CONDITIONS

The Hocking River hydraulic model uses normal depth as the downstream boundary condition. The Effective FEMA FIS profile was used to estimate the bed slope at the outlet near Sugar Grover Road. A bed slope of 0.0013 feet/feet was used for the analysis. The FEMA FIS flood profiles show the downstream portion of Hunters Run is backwater controlled by the Hocking River water surface elevations. The Hunters Run hydraulic model used a computed, known water surface elevation from the Hocking River HEC-RAS model for its downstream boundary conditions. Table 6 shows the Hunters Run boundary conditions used in the hydraulic model.

Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

Table 6. Hunters Run – Downstream Boundary Conditions

| Recurrence | With Dams | Without Dams |
|------------|--------------------------------------|--------------|
| | *Known Water Surface Elevation (ft.) | |
| 5-Yr | 810.23 | 810.79 |
| 10-Yr | 812.05 | 813.1 |
| 25-Yr | 814.11 | 814.91 |
| 50-Yr | 815.02 | 816.11 |
| 100-Yr | 816.03 | 818.21 |
| 200-Yr | 816.67 | 819.12 |
| 250-Yr | 816.94 | 819.57 |
| 500-Yr | 818.89 | 821.36 |

*Water Surface Elevations extracted from Hocking River Hydraulic Model

HYDRAULIC RESULTS

The With- and Without-Dam scenarios were simulated in the HEC-RAS model for each of the eight recurrence intervals. The resulting hydraulic model output water surface profile text files are included in Exhibits A through D for both the Hocking River and Hunters Run With- and Without-Dam scenarios. A summary of WSE for the 1% ACE (100-year) storm event are listed in Table 7 (Hocking River) and

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Table 8 (Hunters Run) for both the With- and Without-dam conditions at notable locations.

Table 7. Water Surface Elevations for the 1% ACE Storm Event on the Hocking River

| Stream | Location | 1% ACE Water Surface Elevation (ft) | | Difference (ft.) |
|---------------|------------------------|-------------------------------------|-----------------|------------------|
| | | With-Project | Without-Project | |
| Hocking River | US Rt. 33 | 851.3 | 852.5 | 1.2 |
| Hocking River | Ety Road | 823.8 | 824.8 | 0.9 |
| Hocking River | Pierce Ave. | 821.3 | 822.1 | 0.8 |
| Hocking River | Lincoln Ave. | 818.0 | 819.1 | 1.2 |
| Hocking River | Hunters Run Confluence | 816.9 | 818.8 | 1.9 |
| Hocking River | S. Maple St. | 813.1 | 813.8 | 0.7 |
| Hocking River | Baldwin Run Confluence | 810.7 | 811.2 | 0.5 |

Reference: HRCB – Readjustment of Appraisal of Benefits – H&H Tech Memo

Table 8. Water Surface Elevations for the 1% ACE Storm Event on Hunters Run

| Stream | Location | 1% ACE Water Surface Elevation (ft) | | Difference (ft.) |
|-------------|------------------------------|-------------------------------------|-----------------|------------------|
| | | With-Project | Without-Project | |
| Hunters Run | Lancaster-Circleville Rd. SW | 929.3 | 931.0 | 1.7 |
| Hunters Run | Delmont Rd | 899.3 | 901.7 | 2.4 |
| Hunters Run | Crumley Rd SW | 881.1 | 880.1 | *-1.0 |
| Hunters Run | Stonewall Creek Confluence | 859.0 | 860.9 | 1.9 |
| Hunters Run | Lincoln Ave. | 817.5 | 819.6 | 2.1 |

*With-Project WSEs are higher at the location of Crumley Rd SW due to the inline structure of Dam No. 3.

FLOOD STAGE DAMAGE ESTIMATION

Using HEC-RAS, Stantec developed water surface profiles for each study stream in both the Without- and With-Dam scenarios for the eight recurrence intervals. These water surface profiles are read into the HEC-FDA model in order to estimate damage for the eight return frequencies.

HEC-FDA uses modeled flooding events to estimate damages to affected structures based on data associated with each structure. Stantec provided JFA with a structure inventory in order to estimate damages. The structure inventory developed for the HEC-FDA analysis is comprised of residential and nonresidential structures impacted by potential flooding associated with the analysis.

The structure inventory includes specific attributes for each structure, including a unique structure name, parcel ID, latitude/longitude coordinates, stream and river station, approximate stream station location, and minimum and maximum ground elevations associated with each building footprint.

Structure Location

Stantec determined structure locations using a Geographic Information System (GIS) polygon data layer provided by Fairfield County. The polygons represent building footprints across the county and contain Parcel ID numbers which allow cross-referencing with Fairfield County Auditor data. Stantec selected structures within a 500-foot buffer of the hydraulic model's (without-dam) 0.2% ACE (500-year) event floodplain. Structures less than 500 square feet were eliminated from the inventory in order to focus the analysis on primary structures and not sheds, garages, or other ancillary buildings. In certain cases, smaller structures were included if they were the only building on a parcel. Stantec added some new building polygons and assigned property ID numbers to account for new home construction within the 500-year event extents.

Stantec assigned structures to either Hunters Run or Hocking River based on the distance from the stream to determine flood hazard impacts. Buildings near the confluence of the two streams that may be affected by flooding from either are assigned to the Hocking River. Stantec also assigned specific hydraulic model cross-sections in order to match each structure to a stream's water surface elevations from the hydraulic model. Assigned stations are the closest point where the structure is perpendicular to the stream.

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Structure Elevation

Stantec determined building footprint elevations for each structure using a 1.25-foot Digital Elevation Model (DEM) created by the Ohio Geographically Referenced Information Program (OGRIP). The DEM is derived from Light Detection and Ranging (LiDAR) collected in 2007 by OGRIP. Stantec added DEM surface elevations to the building polygon layer based on the LiDAR information. The lowest and highest elevation associated with each structure footprint was added to the structure inventory.

For most structures, there is not significant variation between the lowest and highest elevations at each building footprint. Stantec reviewed certain structures where the elevation difference was significant and updated the structure inventory with recommended changes on a case-by-case basis. For the remainder of the structures, Stantec recommended that JFA use the average of the lowest and highest elevations to calculate the adjacent ground elevations for the building structures. JFA then increased the ground elevation by a set amount depending on the structure type to estimate the height of the first-floor elevation (FFE) relative to the ground.

HEC-FDA was used to estimate the damages for structures, contents, and automobiles. The HEC-FDA program compiles data generated from the hydraulic analyses, as well as the structure inventory and associated data described above. The hydraulic components used in this analysis included the water surface profiles for each stream for each of the eight analyzed exceedance probability flood events: 20% (5-year), 10% (10-year), 4% (25-year), 2% (50-year), 1% (100-year), 0.5% (200-year), 0.4% (250-year), and 0.2% (500-year) ACE flood events. These compiled data are a series of probabilistic curves defining relationships between flood stage and frequency of occurrence, and flood stage and damages. These relationships are used to generate a curve relating probability of occurrence and total damages; the integration of which provides the EAD.

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Attachment: Exhibit A – Hocking River With Dams Water Surface Profiles
Exhibit B – Hocking River Without Dams Water Surface Profiles
Exhibit C – Hunters Run With Dams Water Surface Profiles
Exhibit D – Hunters Run Without Dams Water Surface Profiles

c. John Menninger, Stantec

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REFERENCES

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2. National Oceanic and Atmospheric Administration (NOAA) Atlas 14, Volume 2, Version 3 through the NOAA Precipitation Frequency Data Server (PFDS) (NOAA, 2004, Revised 2006) Retrieved July 2016, from Hydrometeorological Design Studies Center: <http://hdsc.nws.noaa.gov/hdsc/pfds/index.html>
3. 1.25-Foot Resolution LiDAR DEM - Downloaded from <http://ogrip.oit.ohio.gov/> (June, 2016).
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Profile Output Table - HEC-FDA
 HEC-RAS Plan: HockRiv_WithDams River: Hocking River Reach: Hock

Rivers = 1
 # Hydraulic Reaches = 1
 # River Stations = 260
 # Plans = 1
 # Profiles = 8

| Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) |
|-------|-----------|---------|------------------|-------------------|-------------------|
| Hock | 49098.52 | Q005 | 95.00 | 880.77 | 882.96 |
| Hock | 49098.52 | Q010 | 135.00 | 880.77 | 883.31 |
| Hock | 49098.52 | Q025 | 192.00 | 880.77 | 883.73 |
| Hock | 49098.52 | Q050 | 347.00 | 880.77 | 884.49 |
| Hock | 49098.52 | Q100 | 542.00 | 880.77 | 885.28 |
| Hock | 49098.52 | Q200 | 713.00 | 880.77 | 885.84 |
| Hock | 49098.52 | Q250 | 714.00 | 880.77 | 885.85 |
| Hock | 49098.52 | Q500 | 754.00 | 880.77 | 886.13 |
| Hock | 48993.27 | Q005 | 95.00 | 881.00 | 882.43 |
| Hock | 48993.27 | Q010 | 135.00 | 881.00 | 882.89 |
| Hock | 48993.27 | Q025 | 192.00 | 881.00 | 883.35 |
| Hock | 48993.27 | Q050 | 347.00 | 881.00 | 884.07 |
| Hock | 48993.27 | Q100 | 542.00 | 881.00 | 884.99 |
| Hock | 48993.27 | Q200 | 713.00 | 881.00 | 885.67 |
| Hock | 48993.27 | Q250 | 714.00 | 881.00 | 885.68 |
| Hock | 48993.27 | Q500 | 754.00 | 881.00 | 886.05 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 48684.94 | Q005 | 158.00 | 879.10 | 880.96 |
| Hock | 48684.94 | Q010 | 257.00 | 879.10 | 881.55 |
| Hock | 48684.94 | Q025 | 360.00 | 879.10 | 882.04 |
| Hock | 48684.94 | Q050 | 523.00 | 879.10 | 882.68 |
| Hock | 48684.94 | Q100 | 821.00 | 879.10 | 883.59 |
| Hock | 48684.94 | Q200 | 1091.00 | 879.10 | 884.24 |
| Hock | 48684.94 | Q250 | 1092.00 | 879.10 | 884.25 |
| Hock | 48684.94 | Q500 | 1264.00 | 879.10 | 884.60 |
| Hock | 48407.53 | Q005 | 158.00 | 878.10 | 879.99 |
| Hock | 48407.53 | Q010 | 257.00 | 878.10 | 880.56 |
| Hock | 48407.53 | Q025 | 360.00 | 878.10 | 881.04 |
| Hock | 48407.53 | Q050 | 523.00 | 878.10 | 881.64 |
| Hock | 48407.53 | Q100 | 821.00 | 878.10 | 882.54 |
| Hock | 48407.53 | Q200 | 1091.00 | 878.10 | 883.18 |
| Hock | 48407.53 | Q250 | 1092.00 | 878.10 | 883.19 |
| Hock | 48407.53 | Q500 | 1264.00 | 878.10 | 883.54 |
| Hock | 48149.86 | Q005 | 158.00 | 877.10 | 878.77 |
| Hock | 48149.86 | Q010 | 257.00 | 877.10 | 879.31 |
| Hock | 48149.86 | Q025 | 360.00 | 877.10 | 879.77 |
| Hock | 48149.86 | Q050 | 523.00 | 877.10 | 880.38 |
| Hock | 48149.86 | Q100 | 821.00 | 877.10 | 881.23 |
| Hock | 48149.86 | Q200 | 1091.00 | 877.10 | 881.73 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 48149.86 | Q250 | 1092.00 | 877.10 | 881.74 |
| Hock | 48149.86 | Q500 | 1264.00 | 877.10 | 881.96 |
| Hock | 48027.94 | Q005 | 158.00 | 876.70 | 878.38 |
| Hock | 48027.94 | Q010 | 257.00 | 876.70 | 878.94 |
| Hock | 48027.94 | Q025 | 360.00 | 876.70 | 879.42 |
| Hock | 48027.94 | Q050 | 523.00 | 876.70 | 880.04 |
| Hock | 48027.94 | Q100 | 821.00 | 876.70 | 880.87 |
| Hock | 48027.94 | Q200 | 1091.00 | 876.70 | 881.33 |
| Hock | 48027.94 | Q250 | 1092.00 | 876.70 | 881.34 |
| Hock | 48027.94 | Q500 | 1264.00 | 876.70 | 881.48 |
| Hock | 47864.75 | Q005 | 158.00 | 876.00 | 877.75 |
| Hock | 47864.75 | Q010 | 257.00 | 876.00 | 878.27 |
| Hock | 47864.75 | Q025 | 360.00 | 876.00 | 878.71 |
| Hock | 47864.75 | Q050 | 523.00 | 876.00 | 879.27 |
| Hock | 47864.75 | Q100 | 821.00 | 876.00 | 879.94 |
| Hock | 47864.75 | Q200 | 1091.00 | 876.00 | 880.34 |
| Hock | 47864.75 | Q250 | 1092.00 | 876.00 | 880.35 |
| Hock | 47864.75 | Q500 | 1264.00 | 876.00 | 880.58 |
| Hock | 47611.88 | Q005 | 158.00 | 875.00 | 876.59 |
| Hock | 47611.88 | Q010 | 257.00 | 875.00 | 877.14 |
| Hock | 47611.88 | Q025 | 360.00 | 875.00 | 877.56 |
| Hock | 47611.88 | Q050 | 523.00 | 875.00 | 878.10 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 47611.88 | Q100 | 821.00 | 875.00 | 878.82 |
| Hock | 47611.88 | Q200 | 1091.00 | 875.00 | 879.36 |
| Hock | 47611.88 | Q250 | 1092.00 | 875.00 | 879.37 |
| Hock | 47611.88 | Q500 | 1264.00 | 875.00 | 879.75 |
| Hock | 47348.61 | Q005 | 158.00 | 873.90 | 875.78 |
| Hock | 47348.61 | Q010 | 257.00 | 873.90 | 876.36 |
| Hock | 47348.61 | Q025 | 360.00 | 873.90 | 876.76 |
| Hock | 47348.61 | Q050 | 523.00 | 873.90 | 877.20 |
| Hock | 47348.61 | Q100 | 821.00 | 873.90 | 877.67 |
| Hock | 47348.61 | Q200 | 1091.00 | 873.90 | 877.95 |
| Hock | 47348.61 | Q250 | 1092.00 | 873.90 | 877.96 |
| Hock | 47348.61 | Q500 | 1264.00 | 873.90 | 878.04 |
| Hock | 47102.27 | Q005 | 158.00 | 873.00 | 875.44 |
| Hock | 47102.27 | Q010 | 257.00 | 873.00 | 875.95 |
| Hock | 47102.27 | Q025 | 360.00 | 873.00 | 876.29 |
| Hock | 47102.27 | Q050 | 523.00 | 873.00 | 876.72 |
| Hock | 47102.27 | Q100 | 821.00 | 873.00 | 877.24 |
| Hock | 47102.27 | Q200 | 1091.00 | 873.00 | 877.60 |
| Hock | 47102.27 | Q250 | 1092.00 | 873.00 | 877.61 |
| Hock | 47102.27 | Q500 | 1264.00 | 873.00 | 877.80 |
| Hock | 46858.53 | Q005 | 158.00 | 872.00 | 874.97 |
| Hock | 46858.53 | Q010 | 257.00 | 872.00 | 875.41 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 46858.53 | Q025 | 360.00 | 872.00 | 875.69 |
| Hock | 46858.53 | Q050 | 523.00 | 872.00 | 876.14 |
| Hock | 46858.53 | Q100 | 821.00 | 872.00 | 876.75 |
| Hock | 46858.53 | Q200 | 1091.00 | 872.00 | 877.11 |
| Hock | 46858.53 | Q250 | 1092.00 | 872.00 | 877.12 |
| Hock | 46858.53 | Q500 | 1264.00 | 872.00 | 877.28 |
| | | | | | |
| Hock | 46819.70 | Q005 | 158.00 | 871.52 | 874.96 |
| Hock | 46819.70 | Q010 | 257.00 | 871.52 | 875.38 |
| Hock | 46819.70 | Q025 | 360.00 | 871.52 | 875.63 |
| Hock | 46819.70 | Q050 | 523.00 | 871.52 | 876.03 |
| Hock | 46819.70 | Q100 | 821.00 | 871.52 | 876.49 |
| Hock | 46819.70 | Q200 | 1091.00 | 871.52 | 876.84 |
| Hock | 46819.70 | Q250 | 1092.00 | 871.52 | 876.85 |
| Hock | 46819.70 | Q500 | 1264.00 | 871.52 | 876.99 |
| | | | | | |
| Hock | 46809 | | Culvert | | |
| | | | | | |
| Hock | 46783.77 | Q005 | 158.00 | 869.90 | 872.27 |
| Hock | 46783.77 | Q010 | 257.00 | 869.90 | 872.85 |
| Hock | 46783.77 | Q025 | 360.00 | 869.90 | 873.33 |
| Hock | 46783.77 | Q050 | 523.00 | 869.90 | 873.85 |
| Hock | 46783.77 | Q100 | 821.00 | 869.90 | 874.62 |
| Hock | 46783.77 | Q200 | 1091.00 | 869.90 | 875.14 |
| Hock | 46783.77 | Q250 | 1092.00 | 869.90 | 875.15 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 46783.77 | Q500 | 1264.00 | 869.90 | 875.49 |
| Hock | 46762.80 | Q005 | 158.00 | 869.90 | 872.10 |
| Hock | 46762.80 | Q010 | 257.00 | 869.90 | 872.67 |
| Hock | 46762.80 | Q025 | 360.00 | 869.90 | 873.16 |
| Hock | 46762.80 | Q050 | 523.00 | 869.90 | 873.69 |
| Hock | 46762.80 | Q100 | 821.00 | 869.90 | 874.46 |
| Hock | 46762.80 | Q200 | 1091.00 | 869.90 | 875.03 |
| Hock | 46762.80 | Q250 | 1092.00 | 869.90 | 875.04 |
| Hock | 46762.80 | Q500 | 1264.00 | 869.90 | 875.43 |
| Hock | 46512.47 | Q005 | 158.00 | 869.10 | 870.93 |
| Hock | 46512.47 | Q010 | 257.00 | 869.10 | 871.48 |
| Hock | 46512.47 | Q025 | 360.00 | 869.10 | 871.92 |
| Hock | 46512.47 | Q050 | 523.00 | 869.10 | 872.46 |
| Hock | 46512.47 | Q100 | 821.00 | 869.10 | 873.21 |
| Hock | 46512.47 | Q200 | 1091.00 | 869.10 | 873.74 |
| Hock | 46512.47 | Q250 | 1092.00 | 869.10 | 873.75 |
| Hock | 46512.47 | Q500 | 1264.00 | 869.10 | 874.02 |
| Hock | 46260.17 | Q005 | 158.00 | 868.20 | 869.99 |
| Hock | 46260.17 | Q010 | 257.00 | 868.20 | 870.53 |
| Hock | 46260.17 | Q025 | 360.00 | 868.20 | 870.96 |
| Hock | 46260.17 | Q050 | 523.00 | 868.20 | 871.50 |
| Hock | 46260.17 | Q100 | 821.00 | 868.20 | 872.26 |

| | | | | | |
|------|----------|------|---------|--------|--------|
| Hock | 46260.17 | Q200 | 1091.00 | 868.20 | 872.78 |
| Hock | 46260.17 | Q250 | 1092.00 | 868.20 | 872.79 |
| Hock | 46260.17 | Q500 | 1264.00 | 868.20 | 873.04 |
| Hock | 46012.19 | Q005 | 158.00 | 867.30 | 869.25 |
| Hock | 46012.19 | Q010 | 257.00 | 867.30 | 869.78 |
| Hock | 46012.19 | Q025 | 360.00 | 867.30 | 870.21 |
| Hock | 46012.19 | Q050 | 523.00 | 867.30 | 870.77 |
| Hock | 46012.19 | Q100 | 821.00 | 867.30 | 871.54 |
| Hock | 46012.19 | Q200 | 1091.00 | 867.30 | 872.08 |
| Hock | 46012.19 | Q250 | 1092.00 | 867.30 | 872.09 |
| Hock | 46012.19 | Q500 | 1264.00 | 867.30 | 872.37 |
| Hock | 45745.26 | Q005 | 158.00 | 866.40 | 868.19 |
| Hock | 45745.26 | Q010 | 257.00 | 866.40 | 868.68 |
| Hock | 45745.26 | Q025 | 360.00 | 866.40 | 869.08 |
| Hock | 45745.26 | Q050 | 523.00 | 866.40 | 869.59 |
| Hock | 45745.26 | Q100 | 821.00 | 866.40 | 870.20 |
| Hock | 45745.26 | Q200 | 1091.00 | 866.40 | 870.59 |
| Hock | 45745.26 | Q250 | 1092.00 | 866.40 | 870.60 |
| Hock | 45745.26 | Q500 | 1264.00 | 866.40 | 870.80 |
| Hock | 45628.82 | Q005 | 158.00 | 866.00 | 867.62 |
| Hock | 45628.82 | Q010 | 257.00 | 866.00 | 868.12 |
| Hock | 45628.82 | Q025 | 360.00 | 866.00 | 868.51 |

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|------|----------|------|---------|--------|--------|
| Hock | 45628.82 | Q050 | 523.00 | 866.00 | 869.01 |
| Hock | 45628.82 | Q100 | 821.00 | 866.00 | 869.47 |
| Hock | 45628.82 | Q200 | 1091.00 | 866.00 | 869.73 |
| Hock | 45628.82 | Q250 | 1092.00 | 866.00 | 869.74 |
| Hock | 45628.82 | Q500 | 1264.00 | 866.00 | 869.90 |
| Hock | 45486.69 | Q005 | 158.00 | 865.30 | 866.85 |
| Hock | 45486.69 | Q010 | 257.00 | 865.30 | 867.35 |
| Hock | 45486.69 | Q025 | 360.00 | 865.30 | 867.66 |
| Hock | 45486.69 | Q050 | 523.00 | 865.30 | 868.00 |
| Hock | 45486.69 | Q100 | 821.00 | 865.30 | 868.46 |
| Hock | 45486.69 | Q200 | 1091.00 | 865.30 | 868.83 |
| Hock | 45486.69 | Q250 | 1092.00 | 865.30 | 868.84 |
| Hock | 45486.69 | Q500 | 1264.00 | 865.30 | 868.95 |
| Hock | 45372.38 | Q005 | 158.00 | 864.80 | 866.46 |
| Hock | 45372.38 | Q010 | 257.00 | 864.80 | 866.99 |
| Hock | 45372.38 | Q025 | 360.00 | 864.80 | 867.27 |
| Hock | 45372.38 | Q050 | 523.00 | 864.80 | 867.48 |
| Hock | 45372.38 | Q100 | 821.00 | 864.80 | 867.81 |
| Hock | 45372.38 | Q200 | 1091.00 | 864.80 | 868.08 |
| Hock | 45372.38 | Q250 | 1092.00 | 864.80 | 868.09 |
| Hock | 45372.38 | Q500 | 1264.00 | 864.80 | 868.20 |
| Hock | 45230.57 | Q005 | 158.00 | 864.20 | 865.92 |

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|------|----------|------|---------|--------|--------|
| Hock | 45230.57 | Q010 | 257.00 | 864.20 | 866.41 |
| Hock | 45230.57 | Q025 | 360.00 | 864.20 | 866.72 |
| Hock | 45230.57 | Q050 | 523.00 | 864.20 | 867.04 |
| Hock | 45230.57 | Q100 | 821.00 | 864.20 | 867.24 |
| Hock | 45230.57 | Q200 | 1091.00 | 864.20 | 867.33 |
| Hock | 45230.57 | Q250 | 1092.00 | 864.20 | 867.34 |
| Hock | 45230.57 | Q500 | 1264.00 | 864.20 | 867.42 |
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| Hock | 44953.58 | Q005 | 158.00 | 863.00 | 864.60 |
| Hock | 44953.58 | Q010 | 257.00 | 863.00 | 865.06 |
| Hock | 44953.58 | Q025 | 360.00 | 863.00 | 865.43 |
| Hock | 44953.58 | Q050 | 523.00 | 863.00 | 865.90 |
| Hock | 44953.58 | Q100 | 821.00 | 863.00 | 866.40 |
| Hock | 44953.58 | Q200 | 1091.00 | 863.00 | 866.73 |
| Hock | 44953.58 | Q250 | 1092.00 | 863.00 | 866.74 |
| Hock | 44953.58 | Q500 | 1264.00 | 863.00 | 866.84 |
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| Hock | 44697.50 | Q005 | 158.00 | 861.90 | 863.54 |
| Hock | 44697.50 | Q010 | 257.00 | 861.90 | 864.04 |
| Hock | 44697.50 | Q025 | 360.00 | 861.90 | 864.45 |
| Hock | 44697.50 | Q050 | 523.00 | 861.90 | 864.98 |
| Hock | 44697.50 | Q100 | 821.00 | 861.90 | 865.70 |
| Hock | 44697.50 | Q200 | 1091.00 | 861.90 | 866.18 |
| Hock | 44697.50 | Q250 | 1092.00 | 861.90 | 866.19 |
| Hock | 44697.50 | Q500 | 1264.00 | 861.90 | 866.35 |

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|------|----------|------|---------|--------|--------|
| Hock | 44443.22 | Q005 | 158.00 | 860.80 | 862.49 |
| Hock | 44443.22 | Q010 | 257.00 | 860.80 | 862.99 |
| Hock | 44443.22 | Q025 | 360.00 | 860.80 | 863.42 |
| Hock | 44443.22 | Q050 | 523.00 | 860.80 | 863.97 |
| Hock | 44443.22 | Q100 | 821.00 | 860.80 | 864.78 |
| Hock | 44443.22 | Q200 | 1091.00 | 860.80 | 865.31 |
| Hock | 44443.22 | Q250 | 1092.00 | 860.80 | 865.32 |
| Hock | 44443.22 | Q500 | 1264.00 | 860.80 | 865.57 |
| Hock | 44149.09 | Q005 | 158.00 | 859.50 | 861.22 |
| Hock | 44149.09 | Q010 | 257.00 | 859.50 | 861.73 |
| Hock | 44149.09 | Q025 | 360.00 | 859.50 | 862.15 |
| Hock | 44149.09 | Q050 | 523.00 | 859.50 | 862.68 |
| Hock | 44149.09 | Q100 | 821.00 | 859.50 | 863.45 |
| Hock | 44149.09 | Q200 | 1091.00 | 859.50 | 863.77 |
| Hock | 44149.09 | Q250 | 1092.00 | 859.50 | 863.78 |
| Hock | 44149.09 | Q500 | 1264.00 | 859.50 | 863.85 |
| Hock | 43898.79 | Q005 | 158.00 | 858.50 | 860.16 |
| Hock | 43898.79 | Q010 | 257.00 | 858.50 | 860.69 |
| Hock | 43898.79 | Q025 | 360.00 | 858.50 | 861.08 |
| Hock | 43898.79 | Q050 | 523.00 | 858.50 | 861.58 |
| Hock | 43898.79 | Q100 | 821.00 | 858.50 | 862.33 |
| Hock | 43898.79 | Q200 | 1091.00 | 858.50 | 862.95 |

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|------|----------|------|---------|--------|--------|
| Hock | 43898.79 | Q250 | 1092.00 | 858.50 | 862.96 |
| Hock | 43898.79 | Q500 | 1264.00 | 858.50 | 863.24 |
| Hock | 43647.91 | Q005 | 158.00 | 857.40 | 859.22 |
| Hock | 43647.91 | Q010 | 257.00 | 857.40 | 859.76 |
| Hock | 43647.91 | Q025 | 360.00 | 857.40 | 860.20 |
| Hock | 43647.91 | Q050 | 523.00 | 857.40 | 860.79 |
| Hock | 43647.91 | Q100 | 821.00 | 857.40 | 861.65 |
| Hock | 43647.91 | Q200 | 1091.00 | 857.40 | 862.31 |
| Hock | 43647.91 | Q250 | 1092.00 | 857.40 | 862.32 |
| Hock | 43647.91 | Q500 | 1264.00 | 857.40 | 862.68 |
| Hock | 43394.75 | Q005 | 158.00 | 856.40 | 858.08 |
| Hock | 43394.75 | Q010 | 257.00 | 856.40 | 858.61 |
| Hock | 43394.75 | Q025 | 360.00 | 856.40 | 859.07 |
| Hock | 43394.75 | Q050 | 523.00 | 856.40 | 859.68 |
| Hock | 43394.75 | Q100 | 821.00 | 856.40 | 860.52 |
| Hock | 43394.75 | Q200 | 1091.00 | 856.40 | 861.11 |
| Hock | 43394.75 | Q250 | 1092.00 | 856.40 | 861.12 |
| Hock | 43394.75 | Q500 | 1264.00 | 856.40 | 861.48 |
| Hock | 43183.68 | Q005 | 158.00 | 855.50 | 857.34 |
| Hock | 43183.68 | Q010 | 257.00 | 855.50 | 857.93 |
| Hock | 43183.68 | Q025 | 360.00 | 855.50 | 858.44 |
| Hock | 43183.68 | Q050 | 523.00 | 855.50 | 859.09 |

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|------|----------|------|---------|--------|--------|
| Hock | 43183.68 | Q100 | 821.00 | 855.50 | 859.97 |
| Hock | 43183.68 | Q200 | 1091.00 | 855.50 | 860.60 |
| Hock | 43183.68 | Q250 | 1092.00 | 855.50 | 860.61 |
| Hock | 43183.68 | Q500 | 1264.00 | 855.50 | 861.04 |
| Hock | 42961.61 | Q005 | 158.00 | 854.60 | 856.42 |
| Hock | 42961.61 | Q010 | 257.00 | 854.60 | 857.01 |
| Hock | 42961.61 | Q025 | 360.00 | 854.60 | 857.55 |
| Hock | 42961.61 | Q050 | 523.00 | 854.60 | 858.15 |
| Hock | 42961.61 | Q100 | 821.00 | 854.60 | 858.99 |
| Hock | 42961.61 | Q200 | 1091.00 | 854.60 | 859.64 |
| Hock | 42961.61 | Q250 | 1092.00 | 854.60 | 859.65 |
| Hock | 42961.61 | Q500 | 1264.00 | 854.60 | 860.03 |
| Hock | 42732.49 | Q005 | 158.00 | 853.60 | 856.00 |
| Hock | 42732.49 | Q010 | 257.00 | 853.60 | 856.60 |
| Hock | 42732.49 | Q025 | 360.00 | 853.60 | 857.17 |
| Hock | 42732.49 | Q050 | 523.00 | 853.60 | 857.73 |
| Hock | 42732.49 | Q100 | 821.00 | 853.60 | 858.49 |
| Hock | 42732.49 | Q200 | 1091.00 | 853.60 | 859.12 |
| Hock | 42732.49 | Q250 | 1092.00 | 853.60 | 859.13 |
| Hock | 42732.49 | Q500 | 1264.00 | 853.60 | 859.52 |
| Hock | 42527.14 | Q005 | 158.00 | 852.80 | 855.69 |
| Hock | 42527.14 | Q010 | 257.00 | 852.80 | 856.21 |

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|------|----------|------|---------|--------|--------|
| Hock | 42527.14 | Q025 | 360.00 | 852.80 | 856.76 |
| Hock | 42527.14 | Q050 | 523.00 | 852.80 | 857.16 |
| Hock | 42527.14 | Q100 | 821.00 | 852.80 | 857.59 |
| Hock | 42527.14 | Q200 | 1091.00 | 852.80 | 857.94 |
| Hock | 42527.14 | Q250 | 1092.00 | 852.80 | 858.01 |
| Hock | 42527.14 | Q500 | 1264.00 | 852.80 | 858.31 |
| Hock | 42271.38 | Q005 | 328.00 | 852.00 | 854.98 |
| Hock | 42271.38 | Q010 | 428.00 | 852.00 | 855.44 |
| Hock | 42271.38 | Q025 | 563.00 | 852.00 | 855.94 |
| Hock | 42271.38 | Q050 | 675.00 | 852.00 | 856.31 |
| Hock | 42271.38 | Q100 | 792.00 | 852.00 | 856.67 |
| Hock | 42271.38 | Q200 | 911.00 | 852.00 | 857.01 |
| Hock | 42271.38 | Q250 | 951.00 | 852.00 | 857.12 |
| Hock | 42271.38 | Q500 | 1083.00 | 852.00 | 857.45 |
| Hock | 42018.34 | Q005 | 328.00 | 851.30 | 854.15 |
| Hock | 42018.34 | Q010 | 428.00 | 851.30 | 854.59 |
| Hock | 42018.34 | Q025 | 563.00 | 851.30 | 855.10 |
| Hock | 42018.34 | Q050 | 675.00 | 851.30 | 855.49 |
| Hock | 42018.34 | Q100 | 792.00 | 851.30 | 855.88 |
| Hock | 42018.34 | Q200 | 911.00 | 851.30 | 856.24 |
| Hock | 42018.34 | Q250 | 951.00 | 851.30 | 856.36 |
| Hock | 42018.34 | Q500 | 1083.00 | 851.30 | 856.70 |

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|------|----------|------|---------|--------|--------|
| Hock | 41774.16 | Q005 | 328.00 | 850.50 | 853.47 |
| Hock | 41774.16 | Q010 | 428.00 | 850.50 | 853.94 |
| Hock | 41774.16 | Q025 | 563.00 | 850.50 | 854.50 |
| Hock | 41774.16 | Q050 | 675.00 | 850.50 | 854.93 |
| Hock | 41774.16 | Q100 | 792.00 | 850.50 | 855.33 |
| Hock | 41774.16 | Q200 | 911.00 | 850.50 | 855.71 |
| Hock | 41774.16 | Q250 | 951.00 | 850.50 | 855.83 |
| Hock | 41774.16 | Q500 | 1083.00 | 850.50 | 856.18 |
| Hock | 41576.64 | Q005 | 328.00 | 850.00 | 853.06 |
| Hock | 41576.64 | Q010 | 428.00 | 850.00 | 853.56 |
| Hock | 41576.64 | Q025 | 563.00 | 850.00 | 854.15 |
| Hock | 41576.64 | Q050 | 675.00 | 850.00 | 854.59 |
| Hock | 41576.64 | Q100 | 792.00 | 850.00 | 855.00 |
| Hock | 41576.64 | Q200 | 911.00 | 850.00 | 855.40 |
| Hock | 41576.64 | Q250 | 951.00 | 850.00 | 855.52 |
| Hock | 41576.64 | Q500 | 1083.00 | 850.00 | 855.87 |
| Hock | 41327.77 | Q005 | 328.00 | 849.20 | 852.34 |
| Hock | 41327.77 | Q010 | 428.00 | 849.20 | 852.83 |
| Hock | 41327.77 | Q025 | 563.00 | 849.20 | 853.40 |
| Hock | 41327.77 | Q050 | 675.00 | 849.20 | 853.83 |
| Hock | 41327.77 | Q100 | 792.00 | 849.20 | 854.22 |
| Hock | 41327.77 | Q200 | 911.00 | 849.20 | 854.61 |
| Hock | 41327.77 | Q250 | 951.00 | 849.20 | 854.73 |

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|------|----------|------|---------|--------|--------|
| Hock | 41327.77 | Q500 | 1083.00 | 849.20 | 855.07 |
| Hock | 41078.47 | Q005 | 328.00 | 848.50 | 851.49 |
| Hock | 41078.47 | Q010 | 428.00 | 848.50 | 851.97 |
| Hock | 41078.47 | Q025 | 563.00 | 848.50 | 852.52 |
| Hock | 41078.47 | Q050 | 675.00 | 848.50 | 852.94 |
| Hock | 41078.47 | Q100 | 792.00 | 848.50 | 853.33 |
| Hock | 41078.47 | Q200 | 911.00 | 848.50 | 853.73 |
| Hock | 41078.47 | Q250 | 951.00 | 848.50 | 853.84 |
| Hock | 41078.47 | Q500 | 1083.00 | 848.50 | 854.16 |
| Hock | 40875.63 | Q005 | 328.00 | 847.90 | 850.89 |
| Hock | 40875.63 | Q010 | 428.00 | 847.90 | 851.35 |
| Hock | 40875.63 | Q025 | 563.00 | 847.90 | 851.88 |
| Hock | 40875.63 | Q050 | 675.00 | 847.90 | 852.28 |
| Hock | 40875.63 | Q100 | 792.00 | 847.90 | 852.66 |
| Hock | 40875.63 | Q200 | 911.00 | 847.90 | 853.08 |
| Hock | 40875.63 | Q250 | 951.00 | 847.90 | 853.18 |
| Hock | 40875.63 | Q500 | 1083.00 | 847.90 | 853.46 |
| Hock | 40690.91 | Q005 | 328.00 | 847.30 | 850.05 |
| Hock | 40690.91 | Q010 | 428.00 | 847.30 | 850.43 |
| Hock | 40690.91 | Q025 | 563.00 | 847.30 | 850.86 |
| Hock | 40690.91 | Q050 | 675.00 | 847.30 | 851.16 |
| Hock | 40690.91 | Q100 | 792.00 | 847.30 | 851.43 |

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|------|----------|------|---------|--------|--------|
| Hock | 40690.91 | Q200 | 911.00 | 847.30 | 851.71 |
| Hock | 40690.91 | Q250 | 951.00 | 847.30 | 851.80 |
| Hock | 40690.91 | Q500 | 1083.00 | 847.30 | 852.07 |
| Hock | 40583.05 | Q005 | 328.00 | 846.10 | 849.92 |
| Hock | 40583.05 | Q010 | 428.00 | 846.10 | 850.31 |
| Hock | 40583.05 | Q025 | 563.00 | 846.10 | 850.75 |
| Hock | 40583.05 | Q050 | 675.00 | 846.10 | 851.06 |
| Hock | 40583.05 | Q100 | 792.00 | 846.10 | 851.34 |
| Hock | 40583.05 | Q200 | 911.00 | 846.10 | 851.59 |
| Hock | 40583.05 | Q250 | 951.00 | 846.10 | 851.66 |
| Hock | 40583.05 | Q500 | 1083.00 | 846.10 | 851.92 |
| Hock | 40564 | | Bridge | | |
| Hock | 40372.78 | Q005 | 328.00 | 846.10 | 849.49 |
| Hock | 40372.78 | Q010 | 428.00 | 846.10 | 849.83 |
| Hock | 40372.78 | Q025 | 563.00 | 846.10 | 850.23 |
| Hock | 40372.78 | Q050 | 675.00 | 846.10 | 850.52 |
| Hock | 40372.78 | Q100 | 792.00 | 846.10 | 850.78 |
| Hock | 40372.78 | Q200 | 911.00 | 846.10 | 851.01 |
| Hock | 40372.78 | Q250 | 951.00 | 846.10 | 851.07 |
| Hock | 40372.78 | Q500 | 1083.00 | 846.10 | 851.29 |
| Hock | 40229.93 | Q005 | 328.00 | 846.10 | 848.66 |

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|------|----------|------|---------|--------|--------|
| Hock | 40229.93 | Q010 | 428.00 | 846.10 | 848.99 |
| Hock | 40229.93 | Q025 | 563.00 | 846.10 | 849.41 |
| Hock | 40229.93 | Q050 | 675.00 | 846.10 | 849.74 |
| Hock | 40229.93 | Q100 | 792.00 | 846.10 | 850.06 |
| Hock | 40229.93 | Q200 | 911.00 | 846.10 | 850.39 |
| Hock | 40229.93 | Q250 | 951.00 | 846.10 | 850.49 |
| Hock | 40229.93 | Q500 | 1083.00 | 846.10 | 850.84 |
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| Hock | 39966.75 | Q005 | 328.00 | 844.60 | 847.04 |
| Hock | 39966.75 | Q010 | 428.00 | 844.60 | 847.46 |
| Hock | 39966.75 | Q025 | 563.00 | 844.60 | 847.97 |
| Hock | 39966.75 | Q050 | 675.00 | 844.60 | 848.35 |
| Hock | 39966.75 | Q100 | 792.00 | 844.60 | 848.72 |
| Hock | 39966.75 | Q200 | 911.00 | 844.60 | 849.08 |
| Hock | 39966.75 | Q250 | 951.00 | 844.60 | 849.19 |
| Hock | 39966.75 | Q500 | 1083.00 | 844.60 | 849.54 |
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| Hock | 39713.77 | Q005 | 328.00 | 843.20 | 845.73 |
| Hock | 39713.77 | Q010 | 428.00 | 843.20 | 846.17 |
| Hock | 39713.77 | Q025 | 563.00 | 843.20 | 846.69 |
| Hock | 39713.77 | Q050 | 675.00 | 843.20 | 847.07 |
| Hock | 39713.77 | Q100 | 792.00 | 843.20 | 847.44 |
| Hock | 39713.77 | Q200 | 911.00 | 843.20 | 847.79 |
| Hock | 39713.77 | Q250 | 951.00 | 843.20 | 847.91 |
| Hock | 39713.77 | Q500 | 1083.00 | 843.20 | 848.24 |

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|------|----------|------|---------|--------|--------|
| Hock | 39497.31 | Q005 | 328.00 | 841.90 | 844.82 |
| Hock | 39497.31 | Q010 | 428.00 | 841.90 | 845.22 |
| Hock | 39497.31 | Q025 | 563.00 | 841.90 | 845.70 |
| Hock | 39497.31 | Q050 | 675.00 | 841.90 | 846.06 |
| Hock | 39497.31 | Q100 | 792.00 | 841.90 | 846.41 |
| Hock | 39497.31 | Q200 | 911.00 | 841.90 | 846.74 |
| Hock | 39497.31 | Q250 | 951.00 | 841.90 | 846.85 |
| Hock | 39497.31 | Q500 | 1083.00 | 841.90 | 847.17 |
| Hock | 39282.17 | Q005 | 328.00 | 840.70 | 843.88 |
| Hock | 39282.17 | Q010 | 428.00 | 840.70 | 844.32 |
| Hock | 39282.17 | Q025 | 563.00 | 840.70 | 844.85 |
| Hock | 39282.17 | Q050 | 675.00 | 840.70 | 845.24 |
| Hock | 39282.17 | Q100 | 792.00 | 840.70 | 845.61 |
| Hock | 39282.17 | Q200 | 911.00 | 840.70 | 845.95 |
| Hock | 39282.17 | Q250 | 951.00 | 840.70 | 846.06 |
| Hock | 39282.17 | Q500 | 1083.00 | 840.70 | 846.40 |
| Hock | 39050.52 | Q005 | 328.00 | 840.00 | 842.96 |
| Hock | 39050.52 | Q010 | 428.00 | 840.00 | 843.43 |
| Hock | 39050.52 | Q025 | 563.00 | 840.00 | 843.99 |
| Hock | 39050.52 | Q050 | 675.00 | 840.00 | 844.39 |
| Hock | 39050.52 | Q100 | 792.00 | 840.00 | 844.75 |
| Hock | 39050.52 | Q200 | 911.00 | 840.00 | 845.08 |

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|------|----------|------|---------|--------|--------|
| Hock | 39050.52 | Q250 | 951.00 | 840.00 | 845.19 |
| Hock | 39050.52 | Q500 | 1083.00 | 840.00 | 845.50 |
| Hock | 38795.62 | Q005 | 328.00 | 839.30 | 842.13 |
| Hock | 38795.62 | Q010 | 428.00 | 839.30 | 842.62 |
| Hock | 38795.62 | Q025 | 563.00 | 839.30 | 843.16 |
| Hock | 38795.62 | Q050 | 675.00 | 839.30 | 843.54 |
| Hock | 38795.62 | Q100 | 792.00 | 839.30 | 843.88 |
| Hock | 38795.62 | Q200 | 911.00 | 839.30 | 844.17 |
| Hock | 38795.62 | Q250 | 951.00 | 839.30 | 844.27 |
| Hock | 38795.62 | Q500 | 1083.00 | 839.30 | 844.55 |
| Hock | 38570.01 | Q005 | 328.00 | 838.60 | 841.58 |
| Hock | 38570.01 | Q010 | 428.00 | 838.60 | 842.11 |
| Hock | 38570.01 | Q025 | 563.00 | 838.60 | 842.70 |
| Hock | 38570.01 | Q050 | 675.00 | 838.60 | 843.10 |
| Hock | 38570.01 | Q100 | 792.00 | 838.60 | 843.43 |
| Hock | 38570.01 | Q200 | 911.00 | 838.60 | 843.72 |
| Hock | 38570.01 | Q250 | 951.00 | 838.60 | 843.81 |
| Hock | 38570.01 | Q500 | 1083.00 | 838.60 | 844.08 |
| Hock | 38264.33 | Q005 | 328.00 | 837.70 | 841.01 |
| Hock | 38264.33 | Q010 | 428.00 | 837.70 | 841.55 |
| Hock | 38264.33 | Q025 | 563.00 | 837.70 | 842.13 |
| Hock | 38264.33 | Q050 | 675.00 | 837.70 | 842.52 |

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|------|----------|------|---------|--------|--------|
| Hock | 38264.33 | Q100 | 792.00 | 837.70 | 842.84 |
| Hock | 38264.33 | Q200 | 911.00 | 837.70 | 843.11 |
| Hock | 38264.33 | Q250 | 951.00 | 837.70 | 843.19 |
| Hock | 38264.33 | Q500 | 1083.00 | 837.70 | 843.45 |
| Hock | 38088.79 | Q005 | 328.00 | 837.20 | 840.63 |
| Hock | 38088.79 | Q010 | 428.00 | 837.20 | 841.18 |
| Hock | 38088.79 | Q025 | 563.00 | 837.20 | 841.75 |
| Hock | 38088.79 | Q050 | 675.00 | 837.20 | 842.11 |
| Hock | 38088.79 | Q100 | 792.00 | 837.20 | 842.43 |
| Hock | 38088.79 | Q200 | 911.00 | 837.20 | 842.72 |
| Hock | 38088.79 | Q250 | 951.00 | 837.20 | 842.81 |
| Hock | 38088.79 | Q500 | 1083.00 | 837.20 | 843.09 |
| Hock | 37848.21 | Q005 | 328.00 | 836.50 | 840.33 |
| Hock | 37848.21 | Q010 | 428.00 | 836.50 | 840.89 |
| Hock | 37848.21 | Q025 | 563.00 | 836.50 | 841.44 |
| Hock | 37848.21 | Q050 | 675.00 | 836.50 | 841.77 |
| Hock | 37848.21 | Q100 | 792.00 | 836.50 | 842.05 |
| Hock | 37848.21 | Q200 | 911.00 | 836.50 | 842.31 |
| Hock | 37848.21 | Q250 | 951.00 | 836.50 | 842.38 |
| Hock | 37848.21 | Q500 | 1083.00 | 836.50 | 842.60 |
| Hock | 37612.52 | Q005 | 328.00 | 836.10 | 840.09 |
| Hock | 37612.52 | Q010 | 428.00 | 836.10 | 840.63 |

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|------|----------|------|---------|--------|--------|
| Hock | 37612.52 | Q025 | 563.00 | 836.10 | 841.17 |
| Hock | 37612.52 | Q050 | 675.00 | 836.10 | 841.47 |
| Hock | 37612.52 | Q100 | 792.00 | 836.10 | 841.72 |
| Hock | 37612.52 | Q200 | 911.00 | 836.10 | 841.95 |
| Hock | 37612.52 | Q250 | 951.00 | 836.10 | 842.02 |
| Hock | 37612.52 | Q500 | 1083.00 | 836.10 | 842.22 |
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| Hock | 37369.30 | Q005 | 328.00 | 835.70 | 839.79 |
| Hock | 37369.30 | Q010 | 428.00 | 835.70 | 840.34 |
| Hock | 37369.30 | Q025 | 563.00 | 835.70 | 840.89 |
| Hock | 37369.30 | Q050 | 675.00 | 835.70 | 841.20 |
| Hock | 37369.30 | Q100 | 792.00 | 835.70 | 841.44 |
| Hock | 37369.30 | Q200 | 911.00 | 835.70 | 841.67 |
| Hock | 37369.30 | Q250 | 951.00 | 835.70 | 841.73 |
| Hock | 37369.30 | Q500 | 1083.00 | 835.70 | 841.93 |
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| Hock | 37101.33 | Q005 | 328.00 | 835.30 | 839.41 |
| Hock | 37101.33 | Q010 | 428.00 | 835.30 | 839.97 |
| Hock | 37101.33 | Q025 | 563.00 | 835.30 | 840.60 |
| Hock | 37101.33 | Q050 | 675.00 | 835.30 | 840.90 |
| Hock | 37101.33 | Q100 | 792.00 | 835.30 | 841.13 |
| Hock | 37101.33 | Q200 | 911.00 | 835.30 | 841.34 |
| Hock | 37101.33 | Q250 | 951.00 | 835.30 | 841.40 |
| Hock | 37101.33 | Q500 | 1083.00 | 835.30 | 841.58 |

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|------|----------|------|---------|--------|--------|
| Hock | 36886.15 | Q005 | 328.00 | 834.90 | 838.93 |
| Hock | 36886.15 | Q010 | 428.00 | 834.90 | 839.51 |
| Hock | 36886.15 | Q025 | 563.00 | 834.90 | 840.15 |
| Hock | 36886.15 | Q050 | 675.00 | 834.90 | 840.55 |
| Hock | 36886.15 | Q100 | 792.00 | 834.90 | 840.82 |
| Hock | 36886.15 | Q200 | 911.00 | 834.90 | 841.05 |
| Hock | 36886.15 | Q250 | 951.00 | 834.90 | 841.11 |
| Hock | 36886.15 | Q500 | 1083.00 | 834.90 | 841.29 |
| Hock | 36580.50 | Q005 | 328.00 | 834.30 | 838.47 |
| Hock | 36580.50 | Q010 | 428.00 | 834.30 | 839.06 |
| Hock | 36580.50 | Q025 | 563.00 | 834.30 | 839.69 |
| Hock | 36580.50 | Q050 | 675.00 | 834.30 | 840.06 |
| Hock | 36580.50 | Q100 | 792.00 | 834.30 | 840.37 |
| Hock | 36580.50 | Q200 | 911.00 | 834.30 | 840.65 |
| Hock | 36580.50 | Q250 | 951.00 | 834.30 | 840.72 |
| Hock | 36580.50 | Q500 | 1083.00 | 834.30 | 840.91 |
| Hock | 36329.03 | Q005 | 328.00 | 833.80 | 837.93 |
| Hock | 36329.03 | Q010 | 428.00 | 833.80 | 838.53 |
| Hock | 36329.03 | Q025 | 563.00 | 833.80 | 839.17 |
| Hock | 36329.03 | Q050 | 675.00 | 833.80 | 839.52 |
| Hock | 36329.03 | Q100 | 792.00 | 833.80 | 839.78 |
| Hock | 36329.03 | Q200 | 911.00 | 833.80 | 839.99 |
| Hock | 36329.03 | Q250 | 951.00 | 833.80 | 840.06 |

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|------|----------|------|---------|--------|--------|
| Hock | 36329.03 | Q500 | 1083.00 | 833.80 | 840.26 |
| Hock | 36080.41 | Q005 | 328.00 | 833.30 | 837.46 |
| Hock | 36080.41 | Q010 | 428.00 | 833.30 | 838.09 |
| Hock | 36080.41 | Q025 | 563.00 | 833.30 | 838.70 |
| Hock | 36080.41 | Q050 | 675.00 | 833.30 | 838.99 |
| Hock | 36080.41 | Q100 | 792.00 | 833.30 | 839.17 |
| Hock | 36080.41 | Q200 | 911.00 | 833.30 | 839.31 |
| Hock | 36080.41 | Q250 | 951.00 | 833.30 | 839.35 |
| Hock | 36080.41 | Q500 | 1083.00 | 833.30 | 839.48 |
| Hock | 35827.39 | Q005 | 328.00 | 832.70 | 837.08 |
| Hock | 35827.39 | Q010 | 428.00 | 832.70 | 837.74 |
| Hock | 35827.39 | Q025 | 563.00 | 832.70 | 838.34 |
| Hock | 35827.39 | Q050 | 675.00 | 832.70 | 838.67 |
| Hock | 35827.39 | Q100 | 792.00 | 832.70 | 838.87 |
| Hock | 35827.39 | Q200 | 911.00 | 832.70 | 838.99 |
| Hock | 35827.39 | Q250 | 951.00 | 832.70 | 839.02 |
| Hock | 35827.39 | Q500 | 1083.00 | 832.70 | 839.12 |
| Hock | 35569.52 | Q005 | 328.00 | 832.20 | 836.56 |
| Hock | 35569.52 | Q010 | 428.00 | 832.20 | 837.20 |
| Hock | 35569.52 | Q025 | 563.00 | 832.20 | 837.71 |
| Hock | 35569.52 | Q050 | 675.00 | 832.20 | 837.96 |
| Hock | 35569.52 | Q100 | 792.00 | 832.20 | 838.14 |

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|------|----------|------|---------|--------|--------|
| Hock | 35569.52 | Q200 | 911.00 | 832.20 | 838.29 |
| Hock | 35569.52 | Q250 | 951.00 | 832.20 | 838.34 |
| Hock | 35569.52 | Q500 | 1083.00 | 832.20 | 838.47 |
| Hock | 35309.28 | Q005 | 328.00 | 831.60 | 836.16 |
| Hock | 35309.28 | Q010 | 428.00 | 831.60 | 836.78 |
| Hock | 35309.28 | Q025 | 563.00 | 831.60 | 837.18 |
| Hock | 35309.28 | Q050 | 675.00 | 831.60 | 837.41 |
| Hock | 35309.28 | Q100 | 792.00 | 831.60 | 837.50 |
| Hock | 35309.28 | Q200 | 911.00 | 831.60 | 837.63 |
| Hock | 35309.28 | Q250 | 951.00 | 831.60 | 837.69 |
| Hock | 35309.28 | Q500 | 1083.00 | 831.60 | 837.91 |
| Hock | 35059.51 | Q005 | 328.00 | 831.10 | 835.68 |
| Hock | 35059.51 | Q010 | 428.00 | 831.10 | 836.26 |
| Hock | 35059.51 | Q025 | 563.00 | 831.10 | 836.82 |
| Hock | 35059.51 | Q050 | 675.00 | 831.10 | 837.17 |
| Hock | 35059.51 | Q100 | 792.00 | 831.10 | 837.18 |
| Hock | 35059.51 | Q200 | 911.00 | 831.10 | 837.33 |
| Hock | 35059.51 | Q250 | 951.00 | 831.10 | 837.42 |
| Hock | 35059.51 | Q500 | 1083.00 | 831.10 | 837.71 |
| Hock | 34794.94 | Q005 | 328.00 | 830.50 | 834.68 |
| Hock | 34794.94 | Q010 | 428.00 | 830.50 | 835.06 |
| Hock | 34794.94 | Q025 | 563.00 | 830.50 | 835.48 |

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|------|----------|------|---------|--------|--------|
| Hock | 34794.94 | Q050 | 675.00 | 830.50 | 835.80 |
| Hock | 34794.94 | Q100 | 792.00 | 830.50 | 836.56 |
| Hock | 34794.94 | Q200 | 911.00 | 830.50 | 836.98 |
| Hock | 34794.94 | Q250 | 951.00 | 830.50 | 837.13 |
| Hock | 34794.94 | Q500 | 1083.00 | 830.50 | 837.53 |
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| Hock | 34743.78 | Q005 | 328.00 | 830.50 | 834.53 |
| Hock | 34743.78 | Q010 | 428.00 | 830.50 | 834.89 |
| Hock | 34743.78 | Q025 | 563.00 | 830.50 | 835.28 |
| Hock | 34743.78 | Q050 | 675.00 | 830.50 | 835.61 |
| Hock | 34743.78 | Q100 | 792.00 | 830.50 | 835.94 |
| Hock | 34743.78 | Q200 | 911.00 | 830.50 | 836.93 |
| Hock | 34743.78 | Q250 | 951.00 | 830.50 | 837.09 |
| Hock | 34743.78 | Q500 | 1083.00 | 830.50 | 837.51 |
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| Hock | 34730 | | Bridge | | |
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| Hock | 34682.76 | Q005 | 328.00 | 830.50 | 834.12 |
| Hock | 34682.76 | Q010 | 428.00 | 830.50 | 834.50 |
| Hock | 34682.76 | Q025 | 563.00 | 830.50 | 834.82 |
| Hock | 34682.76 | Q050 | 675.00 | 830.50 | 835.06 |
| Hock | 34682.76 | Q100 | 792.00 | 830.50 | 835.18 |
| Hock | 34682.76 | Q200 | 911.00 | 830.50 | 835.29 |
| Hock | 34682.76 | Q250 | 951.00 | 830.50 | 835.33 |
| Hock | 34682.76 | Q500 | 1083.00 | 830.50 | 835.44 |

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|------|----------|------|---------|--------|--------|
| Hock | 34655.37 | Q005 | 328.00 | 829.00 | 833.91 |
| Hock | 34655.37 | Q010 | 428.00 | 829.00 | 834.39 |
| Hock | 34655.37 | Q025 | 563.00 | 829.00 | 834.75 |
| Hock | 34655.37 | Q050 | 675.00 | 829.00 | 835.00 |
| Hock | 34655.37 | Q100 | 792.00 | 829.00 | 835.12 |
| Hock | 34655.37 | Q200 | 911.00 | 829.00 | 835.21 |
| Hock | 34655.37 | Q250 | 951.00 | 829.00 | 835.24 |
| Hock | 34655.37 | Q500 | 1083.00 | 829.00 | 835.34 |
| Hock | 34408.34 | Q005 | 328.00 | 829.10 | 833.32 |
| Hock | 34408.34 | Q010 | 428.00 | 829.10 | 833.68 |
| Hock | 34408.34 | Q025 | 563.00 | 829.10 | 833.94 |
| Hock | 34408.34 | Q050 | 675.00 | 829.10 | 834.08 |
| Hock | 34408.34 | Q100 | 792.00 | 829.10 | 834.19 |
| Hock | 34408.34 | Q200 | 911.00 | 829.10 | 834.28 |
| Hock | 34408.34 | Q250 | 951.00 | 829.10 | 834.31 |
| Hock | 34408.34 | Q500 | 1083.00 | 829.10 | 834.40 |
| Hock | 34111.18 | Q005 | 328.00 | 829.20 | 832.80 |
| Hock | 34111.18 | Q010 | 428.00 | 829.20 | 833.02 |
| Hock | 34111.18 | Q025 | 563.00 | 829.20 | 833.20 |
| Hock | 34111.18 | Q050 | 675.00 | 829.20 | 833.32 |
| Hock | 34111.18 | Q100 | 792.00 | 829.20 | 833.43 |
| Hock | 34111.18 | Q200 | 911.00 | 829.20 | 833.53 |

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|------|----------|------|---------|--------|--------|
| Hock | 34111.18 | Q250 | 951.00 | 829.20 | 833.56 |
| Hock | 34111.18 | Q500 | 1083.00 | 829.20 | 833.65 |
| Hock | 33870.56 | Q005 | 328.00 | 829.00 | 832.39 |
| Hock | 33870.56 | Q010 | 428.00 | 829.00 | 832.62 |
| Hock | 33870.56 | Q025 | 563.00 | 829.00 | 832.80 |
| Hock | 33870.56 | Q050 | 675.00 | 829.00 | 832.89 |
| Hock | 33870.56 | Q100 | 792.00 | 829.00 | 832.97 |
| Hock | 33870.56 | Q200 | 911.00 | 829.00 | 833.05 |
| Hock | 33870.56 | Q250 | 951.00 | 829.00 | 833.07 |
| Hock | 33870.56 | Q500 | 1083.00 | 829.00 | 833.16 |
| Hock | 33626.12 | Q005 | 328.00 | 828.70 | 831.73 |
| Hock | 33626.12 | Q010 | 428.00 | 828.70 | 831.88 |
| Hock | 33626.12 | Q025 | 563.00 | 828.70 | 832.06 |
| Hock | 33626.12 | Q050 | 675.00 | 828.70 | 832.18 |
| Hock | 33626.12 | Q100 | 792.00 | 828.70 | 832.30 |
| Hock | 33626.12 | Q200 | 911.00 | 828.70 | 832.40 |
| Hock | 33626.12 | Q250 | 951.00 | 828.70 | 832.44 |
| Hock | 33626.12 | Q500 | 1083.00 | 828.70 | 832.53 |
| Hock | 33423.89 | Q005 | 328.00 | 828.50 | 831.29 |
| Hock | 33423.89 | Q010 | 428.00 | 828.50 | 831.41 |
| Hock | 33423.89 | Q025 | 563.00 | 828.50 | 831.57 |
| Hock | 33423.89 | Q050 | 675.00 | 828.50 | 831.67 |

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|------|----------|------|---------|--------|--------|
| Hock | 33423.89 | Q100 | 792.00 | 828.50 | 831.70 |
| Hock | 33423.89 | Q200 | 911.00 | 828.50 | 831.74 |
| Hock | 33423.89 | Q250 | 951.00 | 828.50 | 831.77 |
| Hock | 33423.89 | Q500 | 1083.00 | 828.50 | 831.90 |
| Hock | 33176.69 | Q005 | 328.00 | 828.40 | 830.32 |
| Hock | 33176.69 | Q010 | 428.00 | 828.40 | 830.41 |
| Hock | 33176.69 | Q025 | 563.00 | 828.40 | 830.48 |
| Hock | 33176.69 | Q050 | 675.00 | 828.40 | 830.54 |
| Hock | 33176.69 | Q100 | 792.00 | 828.40 | 830.76 |
| Hock | 33176.69 | Q200 | 911.00 | 828.40 | 831.05 |
| Hock | 33176.69 | Q250 | 951.00 | 828.40 | 831.15 |
| Hock | 33176.69 | Q500 | 1083.00 | 828.40 | 831.49 |
| Hock | 32922.79 | Q005 | 328.00 | 827.40 | 829.31 |
| Hock | 32922.79 | Q010 | 428.00 | 827.40 | 829.43 |
| Hock | 32922.79 | Q025 | 563.00 | 827.40 | 829.79 |
| Hock | 32922.79 | Q050 | 675.00 | 827.40 | 830.16 |
| Hock | 32922.79 | Q100 | 792.00 | 827.40 | 830.53 |
| Hock | 32922.79 | Q200 | 911.00 | 827.40 | 830.89 |
| Hock | 32922.79 | Q250 | 951.00 | 827.40 | 831.01 |
| Hock | 32922.79 | Q500 | 1083.00 | 827.40 | 831.38 |
| Hock | 32694.29 | Q005 | 328.00 | 826.70 | 828.53 |
| Hock | 32694.29 | Q010 | 428.00 | 826.70 | 829.02 |

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| Hock | 32694.29 | Q025 | 563.00 | 826.70 | 829.60 |
| Hock | 32694.29 | Q050 | 675.00 | 826.70 | 830.04 |
| Hock | 32694.29 | Q100 | 792.00 | 826.70 | 830.44 |
| Hock | 32694.29 | Q200 | 911.00 | 826.70 | 830.82 |
| Hock | 32694.29 | Q250 | 951.00 | 826.70 | 830.94 |
| Hock | 32694.29 | Q500 | 1083.00 | 826.70 | 831.33 |
| Hock | 32390.01 | Q005 | 328.00 | 825.70 | 828.40 |
| Hock | 32390.01 | Q010 | 428.00 | 825.70 | 828.90 |
| Hock | 32390.01 | Q025 | 563.00 | 825.70 | 829.51 |
| Hock | 32390.01 | Q050 | 675.00 | 825.70 | 829.97 |
| Hock | 32390.01 | Q100 | 792.00 | 825.70 | 830.38 |
| Hock | 32390.01 | Q200 | 911.00 | 825.70 | 830.76 |
| Hock | 32390.01 | Q250 | 951.00 | 825.70 | 830.88 |
| Hock | 32390.01 | Q500 | 1083.00 | 825.70 | 831.27 |
| Hock | 32314.72 | Q005 | 328.00 | 825.60 | 828.13 |
| Hock | 32314.72 | Q010 | 428.00 | 825.60 | 828.65 |
| Hock | 32314.72 | Q025 | 563.00 | 825.60 | 829.27 |
| Hock | 32314.72 | Q050 | 675.00 | 825.60 | 829.72 |
| Hock | 32314.72 | Q100 | 792.00 | 825.60 | 830.12 |
| Hock | 32314.72 | Q200 | 911.00 | 825.60 | 830.49 |
| Hock | 32314.72 | Q250 | 951.00 | 825.60 | 830.61 |
| Hock | 32314.72 | Q500 | 1083.00 | 825.60 | 830.99 |

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| Hock | 32303 | | Mult Open | | |
| Hock | 32169.77 | Q005 | 328.00 | 825.20 | 827.64 |
| Hock | 32169.77 | Q010 | 428.00 | 825.20 | 828.06 |
| Hock | 32169.77 | Q025 | 563.00 | 825.20 | 828.54 |
| Hock | 32169.77 | Q050 | 675.00 | 825.20 | 828.88 |
| Hock | 32169.77 | Q100 | 792.00 | 825.20 | 829.13 |
| Hock | 32169.77 | Q200 | 911.00 | 825.20 | 829.35 |
| Hock | 32169.77 | Q250 | 951.00 | 825.20 | 829.41 |
| Hock | 32169.77 | Q500 | 1083.00 | 825.20 | 829.60 |
| Hock | 32072.19 | Q005 | 328.00 | 824.50 | 827.57 |
| Hock | 32072.19 | Q010 | 428.00 | 824.50 | 827.99 |
| Hock | 32072.19 | Q025 | 563.00 | 824.50 | 828.47 |
| Hock | 32072.19 | Q050 | 675.00 | 824.50 | 828.82 |
| Hock | 32072.19 | Q100 | 792.00 | 824.50 | 829.07 |
| Hock | 32072.19 | Q200 | 911.00 | 824.50 | 829.28 |
| Hock | 32072.19 | Q250 | 951.00 | 824.50 | 829.35 |
| Hock | 32072.19 | Q500 | 1083.00 | 824.50 | 829.54 |
| Hock | 31984.15 | Q005 | 328.00 | 824.10 | 827.45 |
| Hock | 31984.15 | Q010 | 428.00 | 824.10 | 827.86 |
| Hock | 31984.15 | Q025 | 563.00 | 824.10 | 828.33 |
| Hock | 31984.15 | Q050 | 675.00 | 824.10 | 828.67 |
| Hock | 31984.15 | Q100 | 792.00 | 824.10 | 828.90 |

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|------|----------|------|---------|--------|--------|
| Hock | 31984.15 | Q200 | 911.00 | 824.10 | 829.08 |
| Hock | 31984.15 | Q250 | 951.00 | 824.10 | 829.14 |
| Hock | 31984.15 | Q500 | 1083.00 | 824.10 | 829.29 |
| Hock | 31661.17 | Q005 | 328.00 | 824.00 | 826.80 |
| Hock | 31661.17 | Q010 | 428.00 | 824.00 | 827.20 |
| Hock | 31661.17 | Q025 | 563.00 | 824.00 | 827.69 |
| Hock | 31661.17 | Q050 | 675.00 | 824.00 | 828.05 |
| Hock | 31661.17 | Q100 | 792.00 | 824.00 | 828.41 |
| Hock | 31661.17 | Q200 | 911.00 | 824.00 | 828.66 |
| Hock | 31661.17 | Q250 | 951.00 | 824.00 | 828.71 |
| Hock | 31661.17 | Q500 | 1083.00 | 824.00 | 828.88 |
| Hock | 31423.42 | Q005 | 328.00 | 823.40 | 826.20 |
| Hock | 31423.42 | Q010 | 428.00 | 823.40 | 826.61 |
| Hock | 31423.42 | Q025 | 563.00 | 823.40 | 827.12 |
| Hock | 31423.42 | Q050 | 675.00 | 823.40 | 827.52 |
| Hock | 31423.42 | Q100 | 792.00 | 823.40 | 827.92 |
| Hock | 31423.42 | Q200 | 911.00 | 823.40 | 828.26 |
| Hock | 31423.42 | Q250 | 951.00 | 823.40 | 828.34 |
| Hock | 31423.42 | Q500 | 1083.00 | 823.40 | 828.57 |
| Hock | 31176.68 | Q005 | 328.00 | 822.80 | 825.66 |
| Hock | 31176.68 | Q010 | 428.00 | 822.80 | 826.10 |
| Hock | 31176.68 | Q025 | 563.00 | 822.80 | 826.65 |

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| Hock | 31176.68 | Q050 | 675.00 | 822.80 | 827.07 |
| Hock | 31176.68 | Q100 | 792.00 | 822.80 | 827.50 |
| Hock | 31176.68 | Q200 | 911.00 | 822.80 | 827.85 |
| Hock | 31176.68 | Q250 | 951.00 | 822.80 | 827.92 |
| Hock | 31176.68 | Q500 | 1083.00 | 822.80 | 828.16 |
| Hock | 30920.51 | Q005 | 328.00 | 822.20 | 825.17 |
| Hock | 30920.51 | Q010 | 428.00 | 822.20 | 825.64 |
| Hock | 30920.51 | Q025 | 563.00 | 822.20 | 826.25 |
| Hock | 30920.51 | Q050 | 675.00 | 822.20 | 826.72 |
| Hock | 30920.51 | Q100 | 792.00 | 822.20 | 827.19 |
| Hock | 30920.51 | Q200 | 911.00 | 822.20 | 827.55 |
| Hock | 30920.51 | Q250 | 951.00 | 822.20 | 827.62 |
| Hock | 30920.51 | Q500 | 1083.00 | 822.20 | 827.86 |
| Hock | 30663.72 | Q005 | 328.00 | 821.50 | 824.52 |
| Hock | 30663.72 | Q010 | 428.00 | 821.50 | 825.03 |
| Hock | 30663.72 | Q025 | 563.00 | 821.50 | 825.74 |
| Hock | 30663.72 | Q050 | 675.00 | 821.50 | 826.26 |
| Hock | 30663.72 | Q100 | 792.00 | 821.50 | 826.77 |
| Hock | 30663.72 | Q200 | 911.00 | 821.50 | 827.17 |
| Hock | 30663.72 | Q250 | 951.00 | 821.50 | 827.26 |
| Hock | 30663.72 | Q500 | 1083.00 | 821.50 | 827.59 |
| Hock | 30418.96 | Q005 | 328.00 | 820.90 | 823.91 |

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|------|----------|------|---------|--------|--------|
| Hock | 30418.96 | Q010 | 428.00 | 820.90 | 824.48 |
| Hock | 30418.96 | Q025 | 563.00 | 820.90 | 825.32 |
| Hock | 30418.96 | Q050 | 675.00 | 820.90 | 825.89 |
| Hock | 30418.96 | Q100 | 792.00 | 820.90 | 826.48 |
| Hock | 30418.96 | Q200 | 911.00 | 820.90 | 827.02 |
| Hock | 30418.96 | Q250 | 951.00 | 820.90 | 827.11 |
| Hock | 30418.96 | Q500 | 1083.00 | 820.90 | 827.49 |
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| Hock | 30196.84 | Q005 | 328.00 | 820.50 | 823.47 |
| Hock | 30196.84 | Q010 | 428.00 | 820.50 | 824.12 |
| Hock | 30196.84 | Q025 | 563.00 | 820.50 | 825.07 |
| Hock | 30196.84 | Q050 | 675.00 | 820.50 | 825.67 |
| Hock | 30196.84 | Q100 | 792.00 | 820.50 | 826.28 |
| Hock | 30196.84 | Q200 | 911.00 | 820.50 | 826.84 |
| Hock | 30196.84 | Q250 | 951.00 | 820.50 | 826.94 |
| Hock | 30196.84 | Q500 | 1083.00 | 820.50 | 827.32 |
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| Hock | 29959.60 | Q005 | 328.00 | 820.10 | 822.98 |
| Hock | 29959.60 | Q010 | 428.00 | 820.10 | 823.77 |
| Hock | 29959.60 | Q025 | 563.00 | 820.10 | 824.84 |
| Hock | 29959.60 | Q050 | 675.00 | 820.10 | 825.48 |
| Hock | 29959.60 | Q100 | 792.00 | 820.10 | 826.07 |
| Hock | 29959.60 | Q200 | 911.00 | 820.10 | 826.64 |
| Hock | 29959.60 | Q250 | 951.00 | 820.10 | 826.74 |
| Hock | 29959.60 | Q500 | 1083.00 | 820.10 | 827.18 |

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|------|----------|------|---------|--------|--------|
| Hock | 29773.90 | Q005 | 328.00 | 819.80 | 822.65 |
| Hock | 29773.90 | Q010 | 428.00 | 819.80 | 823.57 |
| Hock | 29773.90 | Q025 | 563.00 | 819.80 | 824.71 |
| Hock | 29773.90 | Q050 | 675.00 | 819.80 | 825.37 |
| Hock | 29773.90 | Q100 | 792.00 | 819.80 | 825.97 |
| Hock | 29773.90 | Q200 | 911.00 | 819.80 | 826.54 |
| Hock | 29773.90 | Q250 | 951.00 | 819.80 | 826.65 |
| Hock | 29773.90 | Q500 | 1083.00 | 819.80 | 827.12 |
| Hock | 29476.88 | Q005 | 328.00 | 819.10 | 822.25 |
| Hock | 29476.88 | Q010 | 428.00 | 819.10 | 823.35 |
| Hock | 29476.88 | Q025 | 563.00 | 819.10 | 824.57 |
| Hock | 29476.88 | Q050 | 675.00 | 819.10 | 825.24 |
| Hock | 29476.88 | Q100 | 792.00 | 819.10 | 825.86 |
| Hock | 29476.88 | Q200 | 911.00 | 819.10 | 826.39 |
| Hock | 29476.88 | Q250 | 951.00 | 819.10 | 826.51 |
| Hock | 29476.88 | Q500 | 1083.00 | 819.10 | 827.04 |
| Hock | 29161.79 | Q005 | 328.00 | 818.40 | 821.91 |
| Hock | 29161.79 | Q010 | 428.00 | 818.40 | 823.18 |
| Hock | 29161.79 | Q025 | 563.00 | 818.40 | 824.46 |
| Hock | 29161.79 | Q050 | 675.00 | 818.40 | 825.15 |
| Hock | 29161.79 | Q100 | 792.00 | 818.40 | 825.79 |
| Hock | 29161.79 | Q200 | 911.00 | 818.40 | 826.31 |

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|------|----------|------|---------|--------|--------|
| Hock | 29161.79 | Q250 | 951.00 | 818.40 | 826.44 |
| Hock | 29161.79 | Q500 | 1083.00 | 818.40 | 826.99 |
| Hock | 29009.42 | Q005 | 328.00 | 818.10 | 821.74 |
| Hock | 29009.42 | Q010 | 428.00 | 818.10 | 823.09 |
| Hock | 29009.42 | Q025 | 563.00 | 818.10 | 824.41 |
| Hock | 29009.42 | Q050 | 675.00 | 818.10 | 825.11 |
| Hock | 29009.42 | Q100 | 792.00 | 818.10 | 825.76 |
| Hock | 29009.42 | Q200 | 911.00 | 818.10 | 826.29 |
| Hock | 29009.42 | Q250 | 951.00 | 818.10 | 826.42 |
| Hock | 29009.42 | Q500 | 1083.00 | 818.10 | 826.97 |
| Hock | 28808.57 | Q005 | 328.00 | 817.80 | 821.55 |
| Hock | 28808.57 | Q010 | 428.00 | 817.80 | 823.00 |
| Hock | 28808.57 | Q025 | 563.00 | 817.80 | 824.33 |
| Hock | 28808.57 | Q050 | 675.00 | 817.80 | 825.06 |
| Hock | 28808.57 | Q100 | 792.00 | 817.80 | 825.73 |
| Hock | 28808.57 | Q200 | 911.00 | 817.80 | 826.27 |
| Hock | 28808.57 | Q250 | 951.00 | 817.80 | 826.40 |
| Hock | 28808.57 | Q500 | 1083.00 | 817.80 | 826.96 |
| Hock | 28499.29 | Q005 | 328.00 | 816.50 | 821.41 |
| Hock | 28499.29 | Q010 | 428.00 | 816.50 | 822.93 |
| Hock | 28499.29 | Q025 | 563.00 | 816.50 | 824.27 |
| Hock | 28499.29 | Q050 | 675.00 | 816.50 | 825.01 |

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|------|----------|------|---------|--------|--------|
| Hock | 28499.29 | Q100 | 792.00 | 816.50 | 825.70 |
| Hock | 28499.29 | Q200 | 911.00 | 816.50 | 826.24 |
| Hock | 28499.29 | Q250 | 951.00 | 816.50 | 826.38 |
| Hock | 28499.29 | Q500 | 1083.00 | 816.50 | 826.94 |
| Hock | 28220.89 | Q005 | 328.00 | 815.30 | 821.34 |
| Hock | 28220.89 | Q010 | 428.00 | 815.30 | 822.89 |
| Hock | 28220.89 | Q025 | 563.00 | 815.30 | 824.23 |
| Hock | 28220.89 | Q050 | 675.00 | 815.30 | 824.98 |
| Hock | 28220.89 | Q100 | 792.00 | 815.30 | 825.67 |
| Hock | 28220.89 | Q200 | 911.00 | 815.30 | 826.22 |
| Hock | 28220.89 | Q250 | 951.00 | 815.30 | 826.36 |
| Hock | 28220.89 | Q500 | 1083.00 | 815.30 | 826.92 |
| Hock | 27968.04 | Q005 | 686.00 | 815.70 | 821.17 |
| Hock | 27968.04 | Q010 | 1120.00 | 815.70 | 822.66 |
| Hock | 27968.04 | Q025 | 1805.00 | 815.70 | 823.96 |
| Hock | 27968.04 | Q050 | 2366.00 | 815.70 | 824.69 |
| Hock | 27968.04 | Q100 | 2954.00 | 815.70 | 825.38 |
| Hock | 27968.04 | Q200 | 3534.00 | 815.70 | 825.92 |
| Hock | 27968.04 | Q250 | 3712.00 | 815.70 | 826.04 |
| Hock | 27968.04 | Q500 | 4340.00 | 815.70 | 826.61 |
| Hock | 27698.43 | Q005 | 686.00 | 815.70 | 820.89 |
| Hock | 27698.43 | Q010 | 1120.00 | 815.70 | 822.39 |

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|------|----------|------|---------|--------|--------|
| Hock | 27698.43 | Q025 | 1805.00 | 815.70 | 823.81 |
| Hock | 27698.43 | Q050 | 2366.00 | 815.70 | 824.56 |
| Hock | 27698.43 | Q100 | 2954.00 | 815.70 | 825.28 |
| Hock | 27698.43 | Q200 | 3534.00 | 815.70 | 825.83 |
| Hock | 27698.43 | Q250 | 3712.00 | 815.70 | 825.95 |
| Hock | 27698.43 | Q500 | 4340.00 | 815.70 | 826.53 |
| Hock | 27511.06 | Q005 | 686.00 | 815.70 | 820.61 |
| Hock | 27511.06 | Q010 | 1120.00 | 815.70 | 822.10 |
| Hock | 27511.06 | Q025 | 1805.00 | 815.70 | 823.66 |
| Hock | 27511.06 | Q050 | 2366.00 | 815.70 | 824.44 |
| Hock | 27511.06 | Q100 | 2954.00 | 815.70 | 825.19 |
| Hock | 27511.06 | Q200 | 3534.00 | 815.70 | 825.75 |
| Hock | 27511.06 | Q250 | 3712.00 | 815.70 | 825.87 |
| Hock | 27511.06 | Q500 | 4340.00 | 815.70 | 826.46 |
| Hock | 27232.74 | Q005 | 686.00 | 815.20 | 820.26 |
| Hock | 27232.74 | Q010 | 1120.00 | 815.20 | 821.78 |
| Hock | 27232.74 | Q025 | 1805.00 | 815.20 | 823.50 |
| Hock | 27232.74 | Q050 | 2366.00 | 815.20 | 824.32 |
| Hock | 27232.74 | Q100 | 2954.00 | 815.20 | 825.09 |
| Hock | 27232.74 | Q200 | 3534.00 | 815.20 | 825.65 |
| Hock | 27232.74 | Q250 | 3712.00 | 815.20 | 825.77 |
| Hock | 27232.74 | Q500 | 4340.00 | 815.20 | 826.36 |

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|------|----------|------|---------|--------|--------|
| Hock | 26908.10 | Q005 | 686.00 | 814.60 | 819.95 |
| Hock | 26908.10 | Q010 | 1120.00 | 814.60 | 821.55 |
| Hock | 26908.10 | Q025 | 1805.00 | 814.60 | 823.35 |
| Hock | 26908.10 | Q050 | 2366.00 | 814.60 | 824.20 |
| Hock | 26908.10 | Q100 | 2954.00 | 814.60 | 824.98 |
| Hock | 26908.10 | Q200 | 3534.00 | 814.60 | 825.55 |
| Hock | 26908.10 | Q250 | 3712.00 | 814.60 | 825.66 |
| Hock | 26908.10 | Q500 | 4340.00 | 814.60 | 826.26 |
| Hock | 26661.38 | Q005 | 686.00 | 814.40 | 819.66 |
| Hock | 26661.38 | Q010 | 1120.00 | 814.40 | 821.23 |
| Hock | 26661.38 | Q025 | 1805.00 | 814.40 | 823.07 |
| Hock | 26661.38 | Q050 | 2366.00 | 814.40 | 823.97 |
| Hock | 26661.38 | Q100 | 2954.00 | 814.40 | 824.79 |
| Hock | 26661.38 | Q200 | 3534.00 | 814.40 | 825.36 |
| Hock | 26661.38 | Q250 | 3712.00 | 814.40 | 825.47 |
| Hock | 26661.38 | Q500 | 4340.00 | 814.40 | 826.08 |
| Hock | 26428.87 | Q005 | 686.00 | 814.20 | 819.40 |
| Hock | 26428.87 | Q010 | 1120.00 | 814.20 | 820.97 |
| Hock | 26428.87 | Q025 | 1805.00 | 814.20 | 822.82 |
| Hock | 26428.87 | Q050 | 2366.00 | 814.20 | 823.76 |
| Hock | 26428.87 | Q100 | 2954.00 | 814.20 | 824.61 |
| Hock | 26428.87 | Q200 | 3534.00 | 814.20 | 825.18 |
| Hock | 26428.87 | Q250 | 3712.00 | 814.20 | 825.29 |

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|------|----------|------|---------|--------|--------|
| Hock | 26428.87 | Q500 | 4340.00 | 814.20 | 825.91 |
| Hock | 26260.22 | Q005 | 686.00 | 814.10 | 819.16 |
| Hock | 26260.22 | Q010 | 1120.00 | 814.10 | 820.73 |
| Hock | 26260.22 | Q025 | 1805.00 | 814.10 | 822.57 |
| Hock | 26260.22 | Q050 | 2366.00 | 814.10 | 823.57 |
| Hock | 26260.22 | Q100 | 2954.00 | 814.10 | 824.46 |
| Hock | 26260.22 | Q200 | 3534.00 | 814.10 | 825.03 |
| Hock | 26260.22 | Q250 | 3712.00 | 814.10 | 825.14 |
| Hock | 26260.22 | Q500 | 4340.00 | 814.10 | 825.75 |
| Hock | 26012.24 | Q005 | 686.00 | 813.60 | 818.91 |
| Hock | 26012.24 | Q010 | 1120.00 | 813.60 | 820.46 |
| Hock | 26012.24 | Q025 | 1805.00 | 813.60 | 822.31 |
| Hock | 26012.24 | Q050 | 2366.00 | 813.60 | 823.31 |
| Hock | 26012.24 | Q100 | 2954.00 | 813.60 | 824.22 |
| Hock | 26012.24 | Q200 | 3534.00 | 813.60 | 824.79 |
| Hock | 26012.24 | Q250 | 3712.00 | 813.60 | 824.88 |
| Hock | 26012.24 | Q500 | 4340.00 | 813.60 | 825.51 |
| Hock | 25760.22 | Q005 | 686.00 | 813.20 | 818.68 |
| Hock | 25760.22 | Q010 | 1120.00 | 813.20 | 820.25 |
| Hock | 25760.22 | Q025 | 1805.00 | 813.20 | 822.06 |
| Hock | 25760.22 | Q050 | 2366.00 | 813.20 | 823.12 |
| Hock | 25760.22 | Q100 | 2954.00 | 813.20 | 824.06 |

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|------|----------|------|-----------|--------|--------|
| Hock | 25760.22 | Q200 | 3534.00 | 813.20 | 824.62 |
| Hock | 25760.22 | Q250 | 3712.00 | 813.20 | 824.70 |
| Hock | 25760.22 | Q500 | 4340.00 | 813.20 | 825.33 |
| Hock | 25505.25 | Q005 | 686.00 | 812.70 | 818.53 |
| Hock | 25505.25 | Q010 | 1120.00 | 812.70 | 820.08 |
| Hock | 25505.25 | Q025 | 1805.00 | 812.70 | 822.00 |
| Hock | 25505.25 | Q050 | 2366.00 | 812.70 | 823.05 |
| Hock | 25505.25 | Q100 | 2954.00 | 812.70 | 823.98 |
| Hock | 25505.25 | Q200 | 3534.00 | 812.70 | 824.53 |
| Hock | 25505.25 | Q250 | 3712.00 | 812.70 | 824.60 |
| Hock | 25505.25 | Q500 | 4340.00 | 812.70 | 825.22 |
| Hock | 25444.19 | Q005 | 686.00 | 812.60 | 818.51 |
| Hock | 25444.19 | Q010 | 1120.00 | 812.60 | 820.07 |
| Hock | 25444.19 | Q025 | 1805.00 | 812.60 | 821.92 |
| Hock | 25444.19 | Q050 | 2366.00 | 812.60 | 822.93 |
| Hock | 25444.19 | Q100 | 2954.00 | 812.60 | 823.84 |
| Hock | 25444.19 | Q200 | 3534.00 | 812.60 | 824.35 |
| Hock | 25444.19 | Q250 | 3712.00 | 812.60 | 824.40 |
| Hock | 25444.19 | Q500 | 4340.00 | 812.60 | 824.99 |
| Hock | 25426 | | Mult Open | | |
| Hock | 25374.75 | Q005 | 686.00 | 812.60 | 818.48 |

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|------|----------|------|---------|--------|--------|
| Hock | 25374.75 | Q010 | 1120.00 | 812.60 | 820.04 |
| Hock | 25374.75 | Q025 | 1805.00 | 812.60 | 821.91 |
| Hock | 25374.75 | Q050 | 2366.00 | 812.60 | 822.88 |
| Hock | 25374.75 | Q100 | 2954.00 | 812.60 | 823.77 |
| Hock | 25374.75 | Q200 | 3534.00 | 812.60 | 824.25 |
| Hock | 25374.75 | Q250 | 3712.00 | 812.60 | 824.29 |
| Hock | 25374.75 | Q500 | 4340.00 | 812.60 | 824.83 |
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| Hock | 25264.53 | Q005 | 686.00 | 812.00 | 818.37 |
| Hock | 25264.53 | Q010 | 1120.00 | 812.00 | 819.92 |
| Hock | 25264.53 | Q025 | 1805.00 | 812.00 | 821.79 |
| Hock | 25264.53 | Q050 | 2366.00 | 812.00 | 822.80 |
| Hock | 25264.53 | Q100 | 2954.00 | 812.00 | 823.73 |
| Hock | 25264.53 | Q200 | 3534.00 | 812.00 | 824.22 |
| Hock | 25264.53 | Q250 | 3712.00 | 812.00 | 824.25 |
| Hock | 25264.53 | Q500 | 4340.00 | 812.00 | 824.81 |
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| Hock | 25003.90 | Q005 | 686.00 | 811.90 | 818.23 |
| Hock | 25003.90 | Q010 | 1120.00 | 811.90 | 819.77 |
| Hock | 25003.90 | Q025 | 1805.00 | 811.90 | 821.63 |
| Hock | 25003.90 | Q050 | 2366.00 | 811.90 | 822.69 |
| Hock | 25003.90 | Q100 | 2954.00 | 811.90 | 823.64 |
| Hock | 25003.90 | Q200 | 3534.00 | 811.90 | 824.25 |
| Hock | 25003.90 | Q250 | 3712.00 | 811.90 | 824.29 |
| Hock | 25003.90 | Q500 | 4340.00 | 811.90 | 824.87 |

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|------|----------|------|---------|--------|--------|
| Hock | 24746.38 | Q005 | 701.00 | 811.90 | 818.05 |
| Hock | 24746.38 | Q010 | 1132.00 | 811.90 | 819.54 |
| Hock | 24746.38 | Q025 | 1828.00 | 811.90 | 821.36 |
| Hock | 24746.38 | Q050 | 2404.00 | 811.90 | 822.41 |
| Hock | 24746.38 | Q100 | 3012.00 | 811.90 | 823.39 |
| Hock | 24746.38 | Q200 | 3617.00 | 811.90 | 824.16 |
| Hock | 24746.38 | Q250 | 3800.00 | 811.90 | 824.19 |
| Hock | 24746.38 | Q500 | 4460.00 | 811.90 | 824.78 |
| Hock | 24493.74 | Q005 | 701.00 | 812.00 | 817.88 |
| Hock | 24493.74 | Q010 | 1132.00 | 812.00 | 819.36 |
| Hock | 24493.74 | Q025 | 1828.00 | 812.00 | 821.17 |
| Hock | 24493.74 | Q050 | 2404.00 | 812.00 | 822.21 |
| Hock | 24493.74 | Q100 | 3012.00 | 812.00 | 823.17 |
| Hock | 24493.74 | Q200 | 3617.00 | 812.00 | 823.83 |
| Hock | 24493.74 | Q250 | 3800.00 | 812.00 | 824.10 |
| Hock | 24493.74 | Q500 | 4460.00 | 812.00 | 824.69 |
| Hock | 24239.34 | Q005 | 701.00 | 812.10 | 817.70 |
| Hock | 24239.34 | Q010 | 1132.00 | 812.10 | 819.16 |
| Hock | 24239.34 | Q025 | 1828.00 | 812.10 | 821.01 |
| Hock | 24239.34 | Q050 | 2404.00 | 812.10 | 822.10 |
| Hock | 24239.34 | Q100 | 3012.00 | 812.10 | 823.09 |
| Hock | 24239.34 | Q200 | 3617.00 | 812.10 | 823.76 |

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|------|----------|------|---------|--------|--------|
| Hock | 24239.34 | Q250 | 3800.00 | 812.10 | 823.93 |
| Hock | 24239.34 | Q500 | 4460.00 | 812.10 | 824.59 |
| Hock | 23980.91 | Q005 | 701.00 | 812.20 | 817.37 |
| Hock | 23980.91 | Q010 | 1132.00 | 812.20 | 818.75 |
| Hock | 23980.91 | Q025 | 1828.00 | 812.20 | 820.57 |
| Hock | 23980.91 | Q050 | 2404.00 | 812.20 | 821.84 |
| Hock | 23980.91 | Q100 | 3012.00 | 812.20 | 822.92 |
| Hock | 23980.91 | Q200 | 3617.00 | 812.20 | 823.60 |
| Hock | 23980.91 | Q250 | 3800.00 | 812.20 | 823.77 |
| Hock | 23980.91 | Q500 | 4460.00 | 812.20 | 824.40 |
| Hock | 23691.60 | Q005 | 701.00 | 811.60 | 816.97 |
| Hock | 23691.60 | Q010 | 1132.00 | 811.60 | 818.23 |
| Hock | 23691.60 | Q025 | 1828.00 | 811.60 | 819.97 |
| Hock | 23691.60 | Q050 | 2404.00 | 811.60 | 821.22 |
| Hock | 23691.60 | Q100 | 3012.00 | 811.60 | 822.42 |
| Hock | 23691.60 | Q200 | 3617.00 | 811.60 | 823.10 |
| Hock | 23691.60 | Q250 | 3800.00 | 811.60 | 823.25 |
| Hock | 23691.60 | Q500 | 4460.00 | 811.60 | 823.87 |
| Hock | 23441.81 | Q005 | 701.00 | 811.00 | 816.54 |
| Hock | 23441.81 | Q010 | 1132.00 | 811.00 | 817.72 |
| Hock | 23441.81 | Q025 | 1828.00 | 811.00 | 819.51 |
| Hock | 23441.81 | Q050 | 2404.00 | 811.00 | 820.83 |

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|------|----------|------|---------|--------|--------|
| Hock | 23441.81 | Q100 | 3012.00 | 811.00 | 821.99 |
| Hock | 23441.81 | Q200 | 3617.00 | 811.00 | 822.57 |
| Hock | 23441.81 | Q250 | 3800.00 | 811.00 | 822.68 |
| Hock | 23441.81 | Q500 | 4460.00 | 811.00 | 823.19 |
| Hock | 23340.83 | Q005 | 701.00 | 811.70 | 816.20 |
| Hock | 23340.83 | Q010 | 1132.00 | 811.70 | 817.32 |
| Hock | 23340.83 | Q025 | 1828.00 | 811.70 | 819.20 |
| Hock | 23340.83 | Q050 | 2404.00 | 811.70 | 820.54 |
| Hock | 23340.83 | Q100 | 3012.00 | 811.70 | 821.71 |
| Hock | 23340.83 | Q200 | 3617.00 | 811.70 | 822.22 |
| Hock | 23340.83 | Q250 | 3800.00 | 811.70 | 822.31 |
| Hock | 23340.83 | Q500 | 4460.00 | 811.70 | 822.71 |
| Hock | 23324 | | Bridge | | |
| Hock | 23273.57 | Q005 | 701.00 | 811.70 | 815.82 |
| Hock | 23273.57 | Q010 | 1132.00 | 811.70 | 816.84 |
| Hock | 23273.57 | Q025 | 1828.00 | 811.70 | 818.84 |
| Hock | 23273.57 | Q050 | 2404.00 | 811.70 | 820.22 |
| Hock | 23273.57 | Q100 | 3012.00 | 811.70 | 821.39 |
| Hock | 23273.57 | Q200 | 3617.00 | 811.70 | 821.78 |
| Hock | 23273.57 | Q250 | 3800.00 | 811.70 | 821.81 |
| Hock | 23273.57 | Q500 | 4460.00 | 811.70 | 821.99 |

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|------|----------|------|---------|--------|--------|
| Hock | 23205.64 | Q005 | 701.00 | 811.40 | 815.79 |
| Hock | 23205.64 | Q010 | 1132.00 | 811.40 | 816.85 |
| Hock | 23205.64 | Q025 | 1828.00 | 811.40 | 818.91 |
| Hock | 23205.64 | Q050 | 2404.00 | 811.40 | 820.33 |
| Hock | 23205.64 | Q100 | 3012.00 | 811.40 | 821.51 |
| Hock | 23205.64 | Q200 | 3617.00 | 811.40 | 822.17 |
| Hock | 23205.64 | Q250 | 3800.00 | 811.40 | 822.24 |
| Hock | 23205.64 | Q500 | 4460.00 | 811.40 | 822.55 |
| Hock | 22959.50 | Q005 | 701.00 | 811.10 | 815.60 |
| Hock | 22959.50 | Q010 | 1132.00 | 811.10 | 816.72 |
| Hock | 22959.50 | Q025 | 1828.00 | 811.10 | 818.88 |
| Hock | 22959.50 | Q050 | 2404.00 | 811.10 | 820.31 |
| Hock | 22959.50 | Q100 | 3012.00 | 811.10 | 821.51 |
| Hock | 22959.50 | Q200 | 3617.00 | 811.10 | 822.08 |
| Hock | 22959.50 | Q250 | 3800.00 | 811.10 | 822.14 |
| Hock | 22959.50 | Q500 | 4460.00 | 811.10 | 822.42 |
| Hock | 22709.58 | Q005 | 701.00 | 810.90 | 815.59 |
| Hock | 22709.58 | Q010 | 1132.00 | 810.90 | 816.71 |
| Hock | 22709.58 | Q025 | 1828.00 | 810.90 | 818.87 |
| Hock | 22709.58 | Q050 | 2404.00 | 810.90 | 820.31 |
| Hock | 22709.58 | Q100 | 3012.00 | 810.90 | 821.51 |
| Hock | 22709.58 | Q200 | 3617.00 | 810.90 | 822.11 |
| Hock | 22709.58 | Q250 | 3800.00 | 810.90 | 822.17 |

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|------|----------|------|---------|--------|--------|
| Hock | 22709.58 | Q500 | 4460.00 | 810.90 | 822.47 |
| Hock | 22462.14 | Q005 | 701.00 | 810.60 | 815.57 |
| Hock | 22462.14 | Q010 | 1132.00 | 810.60 | 816.69 |
| Hock | 22462.14 | Q025 | 1828.00 | 810.60 | 818.86 |
| Hock | 22462.14 | Q050 | 2404.00 | 810.60 | 820.30 |
| Hock | 22462.14 | Q100 | 3012.00 | 810.60 | 821.50 |
| Hock | 22462.14 | Q200 | 3617.00 | 810.60 | 822.10 |
| Hock | 22462.14 | Q250 | 3800.00 | 810.60 | 822.16 |
| Hock | 22462.14 | Q500 | 4460.00 | 810.60 | 822.45 |
| Hock | 22259.12 | Q005 | 701.00 | 810.40 | 815.55 |
| Hock | 22259.12 | Q010 | 1132.00 | 810.40 | 816.67 |
| Hock | 22259.12 | Q025 | 1828.00 | 810.40 | 818.85 |
| Hock | 22259.12 | Q050 | 2404.00 | 810.40 | 820.30 |
| Hock | 22259.12 | Q100 | 3012.00 | 810.40 | 821.50 |
| Hock | 22259.12 | Q200 | 3617.00 | 810.40 | 822.09 |
| Hock | 22259.12 | Q250 | 3800.00 | 810.40 | 822.16 |
| Hock | 22259.12 | Q500 | 4460.00 | 810.40 | 822.45 |
| Hock | 22050.82 | Q005 | 701.00 | 810.20 | 815.54 |
| Hock | 22050.82 | Q010 | 1132.00 | 810.20 | 816.66 |
| Hock | 22050.82 | Q025 | 1828.00 | 810.20 | 818.84 |
| Hock | 22050.82 | Q050 | 2404.00 | 810.20 | 820.29 |
| Hock | 22050.82 | Q100 | 3012.00 | 810.20 | 821.49 |

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|------|----------|------|---------|--------|--------|
| Hock | 22050.82 | Q200 | 3617.00 | 810.20 | 822.08 |
| Hock | 22050.82 | Q250 | 3800.00 | 810.20 | 822.15 |
| Hock | 22050.82 | Q500 | 4460.00 | 810.20 | 822.43 |
| Hock | 21844.71 | Q005 | 993.00 | 810.20 | 815.52 |
| Hock | 21844.71 | Q010 | 1260.00 | 810.20 | 816.64 |
| Hock | 21844.71 | Q025 | 2026.00 | 810.20 | 818.83 |
| Hock | 21844.71 | Q050 | 2664.00 | 810.20 | 820.28 |
| Hock | 21844.71 | Q100 | 3343.00 | 810.20 | 821.48 |
| Hock | 21844.71 | Q200 | 4025.00 | 810.20 | 822.07 |
| Hock | 21844.71 | Q250 | 4211.00 | 810.20 | 822.13 |
| Hock | 21844.71 | Q500 | 4977.00 | 810.20 | 822.42 |
| Hock | 21610.19 | Q005 | 993.00 | 810.10 | 815.49 |
| Hock | 21610.19 | Q010 | 1260.00 | 810.10 | 816.62 |
| Hock | 21610.19 | Q025 | 2026.00 | 810.10 | 818.81 |
| Hock | 21610.19 | Q050 | 2664.00 | 810.10 | 820.27 |
| Hock | 21610.19 | Q100 | 3343.00 | 810.10 | 821.47 |
| Hock | 21610.19 | Q200 | 4025.00 | 810.10 | 822.06 |
| Hock | 21610.19 | Q250 | 4211.00 | 810.10 | 822.12 |
| Hock | 21610.19 | Q500 | 4977.00 | 810.10 | 822.41 |
| Hock | 21405.49 | Q005 | 993.00 | 810.00 | 815.47 |
| Hock | 21405.49 | Q010 | 1260.00 | 810.00 | 816.61 |
| Hock | 21405.49 | Q025 | 2026.00 | 810.00 | 818.81 |

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|------|----------|------|---------|--------|--------|
| Hock | 21405.49 | Q050 | 2664.00 | 810.00 | 820.26 |
| Hock | 21405.49 | Q100 | 3343.00 | 810.00 | 821.47 |
| Hock | 21405.49 | Q200 | 4025.00 | 810.00 | 822.06 |
| Hock | 21405.49 | Q250 | 4211.00 | 810.00 | 822.12 |
| Hock | 21405.49 | Q500 | 4977.00 | 810.00 | 822.40 |
| Hock | 21213.19 | Q005 | 993.00 | 810.00 | 815.46 |
| Hock | 21213.19 | Q010 | 1260.00 | 810.00 | 816.61 |
| Hock | 21213.19 | Q025 | 2026.00 | 810.00 | 818.80 |
| Hock | 21213.19 | Q050 | 2664.00 | 810.00 | 820.26 |
| Hock | 21213.19 | Q100 | 3343.00 | 810.00 | 821.46 |
| Hock | 21213.19 | Q200 | 4025.00 | 810.00 | 822.05 |
| Hock | 21213.19 | Q250 | 4211.00 | 810.00 | 822.11 |
| Hock | 21213.19 | Q500 | 4977.00 | 810.00 | 822.39 |
| Hock | 20966.11 | Q005 | 993.00 | 809.80 | 815.45 |
| Hock | 20966.11 | Q010 | 1260.00 | 809.80 | 816.60 |
| Hock | 20966.11 | Q025 | 2026.00 | 809.80 | 818.80 |
| Hock | 20966.11 | Q050 | 2664.00 | 809.80 | 820.25 |
| Hock | 20966.11 | Q100 | 3343.00 | 809.80 | 821.46 |
| Hock | 20966.11 | Q200 | 4025.00 | 809.80 | 822.05 |
| Hock | 20966.11 | Q250 | 4211.00 | 809.80 | 822.11 |
| Hock | 20966.11 | Q500 | 4977.00 | 809.80 | 822.38 |
| Hock | 20704.17 | Q005 | 993.00 | 809.60 | 815.45 |

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|------|----------|------|---------|--------|--------|
| Hock | 20704.17 | Q010 | 1260.00 | 809.60 | 816.59 |
| Hock | 20704.17 | Q025 | 2026.00 | 809.60 | 818.79 |
| Hock | 20704.17 | Q050 | 2664.00 | 809.60 | 820.25 |
| Hock | 20704.17 | Q100 | 3343.00 | 809.60 | 821.45 |
| Hock | 20704.17 | Q200 | 4025.00 | 809.60 | 822.04 |
| Hock | 20704.17 | Q250 | 4211.00 | 809.60 | 822.10 |
| Hock | 20704.17 | Q500 | 4977.00 | 809.60 | 822.38 |
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| Hock | 20451.35 | Q005 | 993.00 | 809.40 | 815.45 |
| Hock | 20451.35 | Q010 | 1260.00 | 809.40 | 816.59 |
| Hock | 20451.35 | Q025 | 2026.00 | 809.40 | 818.79 |
| Hock | 20451.35 | Q050 | 2664.00 | 809.40 | 820.25 |
| Hock | 20451.35 | Q100 | 3343.00 | 809.40 | 821.45 |
| Hock | 20451.35 | Q200 | 4025.00 | 809.40 | 822.04 |
| Hock | 20451.35 | Q250 | 4211.00 | 809.40 | 822.10 |
| Hock | 20451.35 | Q500 | 4977.00 | 809.40 | 822.37 |
| | | | | | |
| Hock | 20240.47 | Q005 | 993.00 | 809.20 | 815.45 |
| Hock | 20240.47 | Q010 | 1260.00 | 809.20 | 816.59 |
| Hock | 20240.47 | Q025 | 2026.00 | 809.20 | 818.79 |
| Hock | 20240.47 | Q050 | 2664.00 | 809.20 | 820.25 |
| Hock | 20240.47 | Q100 | 3343.00 | 809.20 | 821.45 |
| Hock | 20240.47 | Q200 | 4025.00 | 809.20 | 822.04 |
| Hock | 20240.47 | Q250 | 4211.00 | 809.20 | 822.09 |
| Hock | 20240.47 | Q500 | 4977.00 | 809.20 | 822.37 |

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|------|----------|------|---------|--------|--------|
| Hock | 19988.83 | Q005 | 993.00 | 808.90 | 815.45 |
| Hock | 19988.83 | Q010 | 1260.00 | 808.90 | 816.59 |
| Hock | 19988.83 | Q025 | 2026.00 | 808.90 | 818.79 |
| Hock | 19988.83 | Q050 | 2664.00 | 808.90 | 820.25 |
| Hock | 19988.83 | Q100 | 3343.00 | 808.90 | 821.45 |
| Hock | 19988.83 | Q200 | 4025.00 | 808.90 | 822.04 |
| Hock | 19988.83 | Q250 | 4211.00 | 808.90 | 822.09 |
| Hock | 19988.83 | Q500 | 4977.00 | 808.90 | 822.37 |
| Hock | 19732.79 | Q005 | 993.00 | 808.50 | 815.45 |
| Hock | 19732.79 | Q010 | 1260.00 | 808.50 | 816.59 |
| Hock | 19732.79 | Q025 | 2026.00 | 808.50 | 818.79 |
| Hock | 19732.79 | Q050 | 2664.00 | 808.50 | 820.24 |
| Hock | 19732.79 | Q100 | 3343.00 | 808.50 | 821.45 |
| Hock | 19732.79 | Q200 | 4025.00 | 808.50 | 822.04 |
| Hock | 19732.79 | Q250 | 4211.00 | 808.50 | 822.09 |
| Hock | 19732.79 | Q500 | 4977.00 | 808.50 | 822.37 |
| Hock | 19476.47 | Q005 | 993.00 | 808.20 | 815.44 |
| Hock | 19476.47 | Q010 | 1260.00 | 808.20 | 816.58 |
| Hock | 19476.47 | Q025 | 2026.00 | 808.20 | 818.78 |
| Hock | 19476.47 | Q050 | 2664.00 | 808.20 | 820.23 |
| Hock | 19476.47 | Q100 | 3343.00 | 808.20 | 821.43 |
| Hock | 19476.47 | Q200 | 4025.00 | 808.20 | 822.04 |

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|------|----------|------|---------|--------|--------|
| Hock | 19476.47 | Q250 | 4211.00 | 808.20 | 822.09 |
| Hock | 19476.47 | Q500 | 4977.00 | 808.20 | 822.37 |
| Hock | 19193.75 | Q005 | 993.00 | 807.80 | 815.35 |
| Hock | 19193.75 | Q010 | 1260.00 | 807.80 | 816.51 |
| Hock | 19193.75 | Q025 | 2026.00 | 807.80 | 818.71 |
| Hock | 19193.75 | Q050 | 2664.00 | 807.80 | 820.17 |
| Hock | 19193.75 | Q100 | 3343.00 | 807.80 | 821.43 |
| Hock | 19193.75 | Q200 | 4025.00 | 807.80 | 822.04 |
| Hock | 19193.75 | Q250 | 4211.00 | 807.80 | 822.10 |
| Hock | 19193.75 | Q500 | 4977.00 | 807.80 | 822.37 |
| Hock | 18909.31 | Q005 | 993.00 | 807.40 | 815.19 |
| Hock | 18909.31 | Q010 | 1260.00 | 807.40 | 816.43 |
| Hock | 18909.31 | Q025 | 2026.00 | 807.40 | 818.70 |
| Hock | 18909.31 | Q050 | 2664.00 | 807.40 | 820.16 |
| Hock | 18909.31 | Q100 | 3343.00 | 807.40 | 821.41 |
| Hock | 18909.31 | Q200 | 4025.00 | 807.40 | 822.03 |
| Hock | 18909.31 | Q250 | 4211.00 | 807.40 | 822.08 |
| Hock | 18909.31 | Q500 | 4977.00 | 807.40 | 822.35 |
| Hock | 18880.85 | Q005 | 993.00 | 807.70 | 815.08 |
| Hock | 18880.85 | Q010 | 1260.00 | 807.70 | 816.27 |
| Hock | 18880.85 | Q025 | 2026.00 | 807.70 | 818.42 |
| Hock | 18880.85 | Q050 | 2664.00 | 807.70 | 819.82 |

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|------|----------|------|---------|--------|--------|
| Hock | 18880.85 | Q100 | 3343.00 | 807.70 | 821.30 |
| Hock | 18880.85 | Q200 | 4025.00 | 807.70 | 821.89 |
| Hock | 18880.85 | Q250 | 4211.00 | 807.70 | 821.94 |
| Hock | 18880.85 | Q500 | 4977.00 | 807.70 | 822.20 |
| Hock | 18862 | | Bridge | | |
| Hock | 18795.44 | Q005 | 993.00 | 807.70 | 814.96 |
| Hock | 18795.44 | Q010 | 1260.00 | 807.70 | 816.15 |
| Hock | 18795.44 | Q025 | 2026.00 | 807.70 | 818.30 |
| Hock | 18795.44 | Q050 | 2664.00 | 807.70 | 819.69 |
| Hock | 18795.44 | Q100 | 3343.00 | 807.70 | 821.08 |
| Hock | 18795.44 | Q200 | 4025.00 | 807.70 | 821.59 |
| Hock | 18795.44 | Q250 | 4211.00 | 807.70 | 821.62 |
| Hock | 18795.44 | Q500 | 4977.00 | 807.70 | 821.75 |
| Hock | 18704.83 | Q005 | 993.00 | 806.90 | 814.86 |
| Hock | 18704.83 | Q010 | 1260.00 | 806.90 | 816.05 |
| Hock | 18704.83 | Q025 | 2026.00 | 806.90 | 818.16 |
| Hock | 18704.83 | Q050 | 2664.00 | 806.90 | 819.51 |
| Hock | 18704.83 | Q100 | 3343.00 | 806.90 | 821.00 |
| Hock | 18704.83 | Q200 | 4025.00 | 806.90 | 821.50 |
| Hock | 18704.83 | Q250 | 4211.00 | 806.90 | 821.52 |
| Hock | 18704.83 | Q500 | 4977.00 | 806.90 | 821.62 |

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|------|----------|------|---------|--------|--------|
| Hock | 18445.47 | Q005 | 993.00 | 807.00 | 814.68 |
| Hock | 18445.47 | Q010 | 1260.00 | 807.00 | 815.92 |
| Hock | 18445.47 | Q025 | 2026.00 | 807.00 | 818.08 |
| Hock | 18445.47 | Q050 | 2664.00 | 807.00 | 819.47 |
| Hock | 18445.47 | Q100 | 3343.00 | 807.00 | 820.98 |
| Hock | 18445.47 | Q200 | 4025.00 | 807.00 | 821.58 |
| Hock | 18445.47 | Q250 | 4211.00 | 807.00 | 821.59 |
| Hock | 18445.47 | Q500 | 4977.00 | 807.00 | 821.73 |
| Hock | 18188.79 | Q005 | 993.00 | 807.00 | 814.49 |
| Hock | 18188.79 | Q010 | 1260.00 | 807.00 | 815.74 |
| Hock | 18188.79 | Q025 | 2026.00 | 807.00 | 817.95 |
| Hock | 18188.79 | Q050 | 2664.00 | 807.00 | 819.37 |
| Hock | 18188.79 | Q100 | 3343.00 | 807.00 | 820.89 |
| Hock | 18188.79 | Q200 | 4025.00 | 807.00 | 821.44 |
| Hock | 18188.79 | Q250 | 4211.00 | 807.00 | 821.45 |
| Hock | 18188.79 | Q500 | 4977.00 | 807.00 | 821.53 |
| Hock | 17929.78 | Q005 | 993.00 | 807.10 | 814.34 |
| Hock | 17929.78 | Q010 | 1260.00 | 807.10 | 815.67 |
| Hock | 17929.78 | Q025 | 2026.00 | 807.10 | 817.92 |
| Hock | 17929.78 | Q050 | 2664.00 | 807.10 | 819.35 |
| Hock | 17929.78 | Q100 | 3343.00 | 807.10 | 820.86 |
| Hock | 17929.78 | Q200 | 4025.00 | 807.10 | 821.40 |
| Hock | 17929.78 | Q250 | 4211.00 | 807.10 | 821.41 |

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|------|----------|------|---------|--------|--------|
| Hock | 17929.78 | Q500 | 4977.00 | 807.10 | 821.47 |
| Hock | 17671.15 | Q005 | 993.00 | 807.10 | 814.15 |
| Hock | 17671.15 | Q010 | 1260.00 | 807.10 | 815.51 |
| Hock | 17671.15 | Q025 | 2026.00 | 807.10 | 817.80 |
| Hock | 17671.15 | Q050 | 2664.00 | 807.10 | 819.25 |
| Hock | 17671.15 | Q100 | 3343.00 | 807.10 | 820.77 |
| Hock | 17671.15 | Q200 | 4025.00 | 807.10 | 821.30 |
| Hock | 17671.15 | Q250 | 4211.00 | 807.10 | 821.31 |
| Hock | 17671.15 | Q500 | 4977.00 | 807.10 | 821.32 |
| Hock | 17388.35 | Q005 | 993.00 | 807.20 | 813.98 |
| Hock | 17388.35 | Q010 | 1260.00 | 807.20 | 815.39 |
| Hock | 17388.35 | Q025 | 2026.00 | 807.20 | 817.67 |
| Hock | 17388.35 | Q050 | 2664.00 | 807.20 | 819.11 |
| Hock | 17388.35 | Q100 | 3343.00 | 807.20 | 820.63 |
| Hock | 17388.35 | Q200 | 4025.00 | 807.20 | 821.13 |
| Hock | 17388.35 | Q250 | 4211.00 | 807.20 | 821.14 |
| Hock | 17388.35 | Q500 | 4977.00 | 807.20 | 821.15 |
| Hock | 17182.24 | Q005 | 1001.00 | 807.20 | 813.71 |
| Hock | 17182.24 | Q010 | 1284.00 | 807.20 | 815.15 |
| Hock | 17182.24 | Q025 | 2064.00 | 807.20 | 817.37 |
| Hock | 17182.24 | Q050 | 2728.00 | 807.20 | 818.75 |
| Hock | 17182.24 | Q100 | 3442.00 | 807.20 | 820.28 |

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|------|----------|------|---------|--------|--------|
| Hock | 17182.24 | Q200 | 4163.00 | 807.20 | 820.73 |
| Hock | 17182.24 | Q250 | 4360.00 | 807.20 | 821.06 |
| Hock | 17182.24 | Q500 | 5178.00 | 807.20 | 821.12 |
| Hock | 16944.41 | Q005 | 1001.00 | 806.70 | 813.49 |
| Hock | 16944.41 | Q010 | 1284.00 | 806.70 | 814.99 |
| Hock | 16944.41 | Q025 | 2064.00 | 806.70 | 817.21 |
| Hock | 16944.41 | Q050 | 2728.00 | 806.70 | 818.62 |
| Hock | 16944.41 | Q100 | 3442.00 | 806.70 | 820.23 |
| Hock | 16944.41 | Q200 | 4163.00 | 806.70 | 820.65 |
| Hock | 16944.41 | Q250 | 4360.00 | 806.70 | 820.73 |
| Hock | 16944.41 | Q500 | 5178.00 | 806.70 | 821.09 |
| Hock | 16690.86 | Q005 | 1001.00 | 806.20 | 813.26 |
| Hock | 16690.86 | Q010 | 1284.00 | 806.20 | 814.81 |
| Hock | 16690.86 | Q025 | 2064.00 | 806.20 | 817.07 |
| Hock | 16690.86 | Q050 | 2728.00 | 806.20 | 818.54 |
| Hock | 16690.86 | Q100 | 3442.00 | 806.20 | 820.17 |
| Hock | 16690.86 | Q200 | 4163.00 | 806.20 | 820.58 |
| Hock | 16690.86 | Q250 | 4360.00 | 806.20 | 820.66 |
| Hock | 16690.86 | Q500 | 5178.00 | 806.20 | 821.07 |
| Hock | 16468.67 | Q005 | 1001.00 | 805.70 | 813.10 |
| Hock | 16468.67 | Q010 | 1284.00 | 805.70 | 814.71 |
| Hock | 16468.67 | Q025 | 2064.00 | 805.70 | 817.03 |

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|------|----------|------|---------|--------|--------|
| Hock | 16468.67 | Q050 | 2728.00 | 805.70 | 818.49 |
| Hock | 16468.67 | Q100 | 3442.00 | 805.70 | 820.12 |
| Hock | 16468.67 | Q200 | 4163.00 | 805.70 | 820.51 |
| Hock | 16468.67 | Q250 | 4360.00 | 805.70 | 820.59 |
| Hock | 16468.67 | Q500 | 5178.00 | 805.70 | 821.03 |
| Hock | 16231.17 | Q005 | 1001.00 | 805.20 | 812.89 |
| Hock | 16231.17 | Q010 | 1284.00 | 805.20 | 814.53 |
| Hock | 16231.17 | Q025 | 2064.00 | 805.20 | 816.75 |
| Hock | 16231.17 | Q050 | 2728.00 | 805.20 | 818.10 |
| Hock | 16231.17 | Q100 | 3442.00 | 805.20 | 819.74 |
| Hock | 16231.17 | Q200 | 4163.00 | 805.20 | 820.54 |
| Hock | 16231.17 | Q250 | 4360.00 | 805.20 | 820.55 |
| Hock | 16231.17 | Q500 | 5178.00 | 805.20 | 821.00 |
| Hock | 16184.96 | Q005 | 1001.00 | 806.10 | 812.85 |
| Hock | 16184.96 | Q010 | 1284.00 | 806.10 | 814.51 |
| Hock | 16184.96 | Q025 | 2064.00 | 806.10 | 816.73 |
| Hock | 16184.96 | Q050 | 2728.00 | 806.10 | 818.09 |
| Hock | 16184.96 | Q100 | 3442.00 | 806.10 | 819.70 |
| Hock | 16184.96 | Q200 | 4163.00 | 806.10 | 820.51 |
| Hock | 16184.96 | Q250 | 4360.00 | 806.10 | 820.52 |
| Hock | 16184.96 | Q500 | 5178.00 | 806.10 | 820.97 |
| Hock | 16178 | | Bridge | | |

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|------|----------|------|---------|--------|--------|
| Hock | 16125.36 | Q005 | 1001.00 | 806.10 | 812.81 |
| Hock | 16125.36 | Q010 | 1284.00 | 806.10 | 814.48 |
| Hock | 16125.36 | Q025 | 2064.00 | 806.10 | 816.70 |
| Hock | 16125.36 | Q050 | 2728.00 | 806.10 | 818.06 |
| Hock | 16125.36 | Q100 | 3442.00 | 806.10 | 819.64 |
| Hock | 16125.36 | Q200 | 4163.00 | 806.10 | 820.10 |
| Hock | 16125.36 | Q250 | 4360.00 | 806.10 | 820.31 |
| Hock | 16125.36 | Q500 | 5178.00 | 806.10 | 820.96 |
| Hock | 15995.11 | Q005 | 1001.00 | 804.50 | 812.71 |
| Hock | 15995.11 | Q010 | 1284.00 | 804.50 | 814.43 |
| Hock | 15995.11 | Q025 | 2064.00 | 804.50 | 816.68 |
| Hock | 15995.11 | Q050 | 2728.00 | 804.50 | 818.07 |
| Hock | 15995.11 | Q100 | 3442.00 | 804.50 | 819.68 |
| Hock | 15995.11 | Q200 | 4163.00 | 804.50 | 820.11 |
| Hock | 15995.11 | Q250 | 4360.00 | 804.50 | 820.32 |
| Hock | 15995.11 | Q500 | 5178.00 | 804.50 | 820.96 |
| Hock | 15777.37 | Q005 | 1001.00 | 804.60 | 812.64 |
| Hock | 15777.37 | Q010 | 1284.00 | 804.60 | 814.40 |
| Hock | 15777.37 | Q025 | 2064.00 | 804.60 | 816.67 |
| Hock | 15777.37 | Q050 | 2728.00 | 804.60 | 818.07 |
| Hock | 15777.37 | Q100 | 3442.00 | 804.60 | 819.68 |
| Hock | 15777.37 | Q200 | 4163.00 | 804.60 | 820.10 |

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|------|----------|------|---------|--------|--------|
| Hock | 15777.37 | Q250 | 4360.00 | 804.60 | 820.32 |
| Hock | 15777.37 | Q500 | 5178.00 | 804.60 | 820.96 |
| Hock | 15539.02 | Q005 | 1001.00 | 804.80 | 812.56 |
| Hock | 15539.02 | Q010 | 1284.00 | 804.80 | 814.37 |
| Hock | 15539.02 | Q025 | 2064.00 | 804.80 | 816.66 |
| Hock | 15539.02 | Q050 | 2728.00 | 804.80 | 818.07 |
| Hock | 15539.02 | Q100 | 3442.00 | 804.80 | 819.69 |
| Hock | 15539.02 | Q200 | 4163.00 | 804.80 | 820.10 |
| Hock | 15539.02 | Q250 | 4360.00 | 804.80 | 820.31 |
| Hock | 15539.02 | Q500 | 5178.00 | 804.80 | 820.95 |
| Hock | 15290.91 | Q005 | 1001.00 | 804.90 | 812.48 |
| Hock | 15290.91 | Q010 | 1284.00 | 804.90 | 814.35 |
| Hock | 15290.91 | Q025 | 2064.00 | 804.90 | 816.64 |
| Hock | 15290.91 | Q050 | 2728.00 | 804.90 | 818.06 |
| Hock | 15290.91 | Q100 | 3442.00 | 804.90 | 819.68 |
| Hock | 15290.91 | Q200 | 4163.00 | 804.90 | 820.10 |
| Hock | 15290.91 | Q250 | 4360.00 | 804.90 | 820.31 |
| Hock | 15290.91 | Q500 | 5178.00 | 804.90 | 820.95 |
| Hock | 15036.07 | Q005 | 832.00 | 805.00 | 812.35 |
| Hock | 15036.07 | Q010 | 1315.00 | 805.00 | 814.25 |
| Hock | 15036.07 | Q025 | 2108.00 | 805.00 | 816.57 |
| Hock | 15036.07 | Q050 | 2790.00 | 805.00 | 817.99 |

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|------|----------|------|---------|--------|--------|
| Hock | 15036.07 | Q100 | 3528.00 | 805.00 | 819.64 |
| Hock | 15036.07 | Q200 | 4274.00 | 805.00 | 820.09 |
| Hock | 15036.07 | Q250 | 4496.00 | 805.00 | 820.31 |
| Hock | 15036.07 | Q500 | 5331.00 | 805.00 | 820.95 |
| Hock | 14754.66 | Q005 | 832.00 | 805.20 | 812.22 |
| Hock | 14754.66 | Q010 | 1315.00 | 805.20 | 814.06 |
| Hock | 14754.66 | Q025 | 2108.00 | 805.20 | 816.33 |
| Hock | 14754.66 | Q050 | 2790.00 | 805.20 | 817.71 |
| Hock | 14754.66 | Q100 | 3528.00 | 805.20 | 819.35 |
| Hock | 14754.66 | Q200 | 4274.00 | 805.20 | 820.08 |
| Hock | 14754.66 | Q250 | 4496.00 | 805.20 | 820.29 |
| Hock | 14754.66 | Q500 | 5331.00 | 805.20 | 820.93 |
| Hock | 14690.60 | Q005 | 832.00 | 805.30 | 812.20 |
| Hock | 14690.60 | Q010 | 1315.00 | 805.30 | 814.05 |
| Hock | 14690.60 | Q025 | 2108.00 | 805.30 | 816.31 |
| Hock | 14690.60 | Q050 | 2790.00 | 805.30 | 817.66 |
| Hock | 14690.60 | Q100 | 3528.00 | 805.30 | 819.24 |
| Hock | 14690.60 | Q200 | 4274.00 | 805.30 | 819.61 |
| Hock | 14690.60 | Q250 | 4496.00 | 805.30 | 819.79 |
| Hock | 14690.60 | Q500 | 5331.00 | 805.30 | 820.91 |
| Hock | 14680 | | Bridge | | |

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|------|----------|------|---------|--------|--------|
| Hock | 14626.49 | Q005 | 832.00 | 805.30 | 812.17 |
| Hock | 14626.49 | Q010 | 1315.00 | 805.30 | 814.03 |
| Hock | 14626.49 | Q025 | 2108.00 | 805.30 | 816.28 |
| Hock | 14626.49 | Q050 | 2790.00 | 805.30 | 817.63 |
| Hock | 14626.49 | Q100 | 3528.00 | 805.30 | 819.10 |
| Hock | 14626.49 | Q200 | 4274.00 | 805.30 | 819.37 |
| Hock | 14626.49 | Q250 | 4496.00 | 805.30 | 819.51 |
| Hock | 14626.49 | Q500 | 5331.00 | 805.30 | 820.84 |
| Hock | 14570.86 | Q005 | 832.00 | 804.00 | 812.15 |
| Hock | 14570.86 | Q010 | 1315.00 | 804.00 | 813.98 |
| Hock | 14570.86 | Q025 | 2108.00 | 804.00 | 816.21 |
| Hock | 14570.86 | Q050 | 2790.00 | 804.00 | 817.54 |
| Hock | 14570.86 | Q100 | 3528.00 | 804.00 | 819.04 |
| Hock | 14570.86 | Q200 | 4274.00 | 804.00 | 819.28 |
| Hock | 14570.86 | Q250 | 4496.00 | 804.00 | 819.42 |
| Hock | 14570.86 | Q500 | 5331.00 | 804.00 | 820.84 |
| Hock | 14274.41 | Q005 | 832.00 | 804.40 | 812.04 |
| Hock | 14274.41 | Q010 | 1315.00 | 804.40 | 813.89 |
| Hock | 14274.41 | Q025 | 2108.00 | 804.40 | 816.14 |
| Hock | 14274.41 | Q050 | 2790.00 | 804.40 | 817.52 |
| Hock | 14274.41 | Q100 | 3528.00 | 804.40 | 819.07 |
| Hock | 14274.41 | Q200 | 4274.00 | 804.40 | 819.34 |
| Hock | 14274.41 | Q250 | 4496.00 | 804.40 | 819.48 |

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|------|----------|------|---------|--------|--------|
| Hock | 14274.41 | Q500 | 5331.00 | 804.40 | 820.84 |
| Hock | 13998.38 | Q005 | 832.00 | 804.80 | 811.93 |
| Hock | 13998.38 | Q010 | 1315.00 | 804.80 | 813.80 |
| Hock | 13998.38 | Q025 | 2108.00 | 804.80 | 816.12 |
| Hock | 13998.38 | Q050 | 2790.00 | 804.80 | 817.52 |
| Hock | 13998.38 | Q100 | 3528.00 | 804.80 | 819.08 |
| Hock | 13998.38 | Q200 | 4274.00 | 804.80 | 819.35 |
| Hock | 13998.38 | Q250 | 4496.00 | 804.80 | 819.62 |
| Hock | 13998.38 | Q500 | 5331.00 | 804.80 | 820.84 |
| Hock | 13754.94 | Q005 | 832.00 | 804.60 | 811.81 |
| Hock | 13754.94 | Q010 | 1315.00 | 804.60 | 813.75 |
| Hock | 13754.94 | Q025 | 2108.00 | 804.60 | 816.10 |
| Hock | 13754.94 | Q050 | 2790.00 | 804.60 | 817.51 |
| Hock | 13754.94 | Q100 | 3528.00 | 804.60 | 819.07 |
| Hock | 13754.94 | Q200 | 4274.00 | 804.60 | 819.35 |
| Hock | 13754.94 | Q250 | 4496.00 | 804.60 | 819.62 |
| Hock | 13754.94 | Q500 | 5331.00 | 804.60 | 820.84 |
| Hock | 13506.06 | Q005 | 832.00 | 804.40 | 811.69 |
| Hock | 13506.06 | Q010 | 1315.00 | 804.40 | 813.71 |
| Hock | 13506.06 | Q025 | 2108.00 | 804.40 | 816.09 |
| Hock | 13506.06 | Q050 | 2790.00 | 804.40 | 817.50 |
| Hock | 13506.06 | Q100 | 3528.00 | 804.40 | 819.07 |

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|------|----------|------|---------|--------|--------|
| Hock | 13506.06 | Q200 | 4274.00 | 804.40 | 819.34 |
| Hock | 13506.06 | Q250 | 4496.00 | 804.40 | 819.61 |
| Hock | 13506.06 | Q500 | 5331.00 | 804.40 | 820.84 |
| Hock | 13257.66 | Q005 | 832.00 | 804.20 | 811.57 |
| Hock | 13257.66 | Q010 | 1315.00 | 804.20 | 813.56 |
| Hock | 13257.66 | Q025 | 2108.00 | 804.20 | 815.99 |
| Hock | 13257.66 | Q050 | 2790.00 | 804.20 | 817.42 |
| Hock | 13257.66 | Q100 | 3528.00 | 804.20 | 819.00 |
| Hock | 13257.66 | Q200 | 4274.00 | 804.20 | 819.26 |
| Hock | 13257.66 | Q250 | 4496.00 | 804.20 | 819.61 |
| Hock | 13257.66 | Q500 | 5331.00 | 804.20 | 820.84 |
| Hock | 12938.57 | Q005 | 832.00 | 802.80 | 811.50 |
| Hock | 12938.57 | Q010 | 1315.00 | 802.80 | 813.48 |
| Hock | 12938.57 | Q025 | 2108.00 | 802.80 | 815.84 |
| Hock | 12938.57 | Q050 | 2790.00 | 802.80 | 817.21 |
| Hock | 12938.57 | Q100 | 3528.00 | 802.80 | 818.75 |
| Hock | 12938.57 | Q200 | 4274.00 | 802.80 | 819.28 |
| Hock | 12938.57 | Q250 | 4496.00 | 802.80 | 819.60 |
| Hock | 12938.57 | Q500 | 5331.00 | 802.80 | 820.83 |
| Hock | 12878.22 | Q005 | 832.00 | 804.10 | 811.47 |
| Hock | 12878.22 | Q010 | 1315.00 | 804.10 | 813.45 |
| Hock | 12878.22 | Q025 | 2108.00 | 804.10 | 815.82 |

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|------|----------|------|---------|--------|--------|
| Hock | 12878.22 | Q050 | 2790.00 | 804.10 | 817.19 |
| Hock | 12878.22 | Q100 | 3528.00 | 804.10 | 818.79 |
| Hock | 12878.22 | Q200 | 4274.00 | 804.10 | 819.09 |
| Hock | 12878.22 | Q250 | 4496.00 | 804.10 | 819.44 |
| Hock | 12878.22 | Q500 | 5331.00 | 804.10 | 820.75 |
| Hock | 12866 | | Bridge | | |
| Hock | 12801.41 | Q005 | 832.00 | 804.00 | 811.44 |
| Hock | 12801.41 | Q010 | 1315.00 | 804.00 | 813.42 |
| Hock | 12801.41 | Q025 | 2108.00 | 804.00 | 815.79 |
| Hock | 12801.41 | Q050 | 2790.00 | 804.00 | 817.15 |
| Hock | 12801.41 | Q100 | 3528.00 | 804.00 | 818.73 |
| Hock | 12801.41 | Q200 | 4274.00 | 804.00 | 819.01 |
| Hock | 12801.41 | Q250 | 4496.00 | 804.00 | 819.38 |
| Hock | 12801.41 | Q500 | 5331.00 | 804.00 | 820.72 |
| Hock | 12752.48 | Q005 | 832.00 | 802.70 | 811.37 |
| Hock | 12752.48 | Q010 | 1315.00 | 802.70 | 813.32 |
| Hock | 12752.48 | Q025 | 2108.00 | 802.70 | 815.63 |
| Hock | 12752.48 | Q050 | 2790.00 | 802.70 | 816.94 |
| Hock | 12752.48 | Q100 | 3528.00 | 802.70 | 818.34 |
| Hock | 12752.48 | Q200 | 4274.00 | 802.70 | 819.04 |
| Hock | 12752.48 | Q250 | 4496.00 | 802.70 | 819.41 |
| Hock | 12752.48 | Q500 | 5331.00 | 802.70 | 820.74 |

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|------|----------|------|---------|--------|--------|
| Hock | 12545.38 | Q005 | 832.00 | 803.60 | 811.28 |
| Hock | 12545.38 | Q010 | 1315.00 | 803.60 | 813.24 |
| Hock | 12545.38 | Q025 | 2108.00 | 803.60 | 815.58 |
| Hock | 12545.38 | Q050 | 2790.00 | 803.60 | 816.90 |
| Hock | 12545.38 | Q100 | 3528.00 | 803.60 | 818.36 |
| Hock | 12545.38 | Q200 | 4274.00 | 803.60 | 819.04 |
| Hock | 12545.38 | Q250 | 4496.00 | 803.60 | 819.41 |
| Hock | 12545.38 | Q500 | 5331.00 | 803.60 | 820.74 |
| Hock | 12336.70 | Q005 | 832.00 | 803.20 | 811.20 |
| Hock | 12336.70 | Q010 | 1315.00 | 803.20 | 813.15 |
| Hock | 12336.70 | Q025 | 2108.00 | 803.20 | 815.49 |
| Hock | 12336.70 | Q050 | 2790.00 | 803.20 | 816.81 |
| Hock | 12336.70 | Q100 | 3528.00 | 803.20 | 818.26 |
| Hock | 12336.70 | Q200 | 4274.00 | 803.20 | 819.03 |
| Hock | 12336.70 | Q250 | 4496.00 | 803.20 | 819.40 |
| Hock | 12336.70 | Q500 | 5331.00 | 803.20 | 820.73 |
| Hock | 12112.20 | Q005 | 832.00 | 802.80 | 811.11 |
| Hock | 12112.20 | Q010 | 1315.00 | 802.80 | 813.05 |
| Hock | 12112.20 | Q025 | 2108.00 | 802.80 | 815.34 |
| Hock | 12112.20 | Q050 | 2790.00 | 802.80 | 816.60 |
| Hock | 12112.20 | Q100 | 3528.00 | 802.80 | 817.99 |
| Hock | 12112.20 | Q200 | 4274.00 | 802.80 | 818.49 |

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|------|----------|------|---------|--------|--------|
| Hock | 12112.20 | Q250 | 4496.00 | 802.80 | 819.39 |
| Hock | 12112.20 | Q500 | 5331.00 | 802.80 | 820.72 |
| Hock | 12048.13 | Q005 | 832.00 | 802.60 | 811.08 |
| Hock | 12048.13 | Q010 | 1315.00 | 802.60 | 813.02 |
| Hock | 12048.13 | Q025 | 2108.00 | 802.60 | 815.31 |
| Hock | 12048.13 | Q050 | 2790.00 | 802.60 | 816.56 |
| Hock | 12048.13 | Q100 | 3528.00 | 802.60 | 817.95 |
| Hock | 12048.13 | Q200 | 4274.00 | 802.60 | 818.41 |
| Hock | 12048.13 | Q250 | 4496.00 | 802.60 | 818.82 |
| Hock | 12048.13 | Q500 | 5331.00 | 802.60 | 820.65 |
| Hock | 12043 | | Bridge | | |
| Hock | 11988.72 | Q005 | 832.00 | 802.60 | 811.01 |
| Hock | 11988.72 | Q010 | 1315.00 | 802.60 | 812.95 |
| Hock | 11988.72 | Q025 | 2108.00 | 802.60 | 815.22 |
| Hock | 11988.72 | Q050 | 2790.00 | 802.60 | 816.45 |
| Hock | 11988.72 | Q100 | 3528.00 | 802.60 | 817.77 |
| Hock | 11988.72 | Q200 | 4274.00 | 802.60 | 818.10 |
| Hock | 11988.72 | Q250 | 4496.00 | 802.60 | 818.43 |
| Hock | 11988.72 | Q500 | 5331.00 | 802.60 | 819.73 |
| Hock | 11910.55 | Q005 | 832.00 | 801.40 | 810.99 |
| Hock | 11910.55 | Q010 | 1315.00 | 801.40 | 812.92 |

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|------|----------|------|---------|--------|--------|
| Hock | 11910.55 | Q025 | 2108.00 | 801.40 | 815.19 |
| Hock | 11910.55 | Q050 | 2790.00 | 801.40 | 816.41 |
| Hock | 11910.55 | Q100 | 3528.00 | 801.40 | 817.72 |
| Hock | 11910.55 | Q200 | 4274.00 | 801.40 | 818.11 |
| Hock | 11910.55 | Q250 | 4496.00 | 801.40 | 818.51 |
| Hock | 11910.55 | Q500 | 5331.00 | 801.40 | 819.76 |
| Hock | 11657.02 | Q005 | 832.00 | 801.50 | 810.92 |
| Hock | 11657.02 | Q010 | 1315.00 | 801.50 | 812.85 |
| Hock | 11657.02 | Q025 | 2108.00 | 801.50 | 815.10 |
| Hock | 11657.02 | Q050 | 2790.00 | 801.50 | 816.30 |
| Hock | 11657.02 | Q100 | 3528.00 | 801.50 | 817.61 |
| Hock | 11657.02 | Q200 | 4274.00 | 801.50 | 818.14 |
| Hock | 11657.02 | Q250 | 4496.00 | 801.50 | 818.51 |
| Hock | 11657.02 | Q500 | 5331.00 | 801.50 | 819.71 |
| Hock | 11412.38 | Q005 | 832.00 | 801.50 | 810.87 |
| Hock | 11412.38 | Q010 | 1315.00 | 801.50 | 812.78 |
| Hock | 11412.38 | Q025 | 2108.00 | 801.50 | 815.02 |
| Hock | 11412.38 | Q050 | 2790.00 | 801.50 | 816.20 |
| Hock | 11412.38 | Q100 | 3528.00 | 801.50 | 817.49 |
| Hock | 11412.38 | Q200 | 4274.00 | 801.50 | 818.20 |
| Hock | 11412.38 | Q250 | 4496.00 | 801.50 | 818.56 |
| Hock | 11412.38 | Q500 | 5331.00 | 801.50 | 819.74 |

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|------|----------|------|---------|--------|--------|
| Hock | 11173.04 | Q005 | 832.00 | 801.60 | 810.80 |
| Hock | 11173.04 | Q010 | 1315.00 | 801.60 | 812.70 |
| Hock | 11173.04 | Q025 | 2108.00 | 801.60 | 814.92 |
| Hock | 11173.04 | Q050 | 2790.00 | 801.60 | 816.07 |
| Hock | 11173.04 | Q100 | 3528.00 | 801.60 | 817.34 |
| Hock | 11173.04 | Q200 | 4274.00 | 801.60 | 818.17 |
| Hock | 11173.04 | Q250 | 4496.00 | 801.60 | 818.55 |
| Hock | 11173.04 | Q500 | 5331.00 | 801.60 | 819.73 |
| Hock | 10905.10 | Q005 | 832.00 | 801.70 | 810.73 |
| Hock | 10905.10 | Q010 | 1315.00 | 801.70 | 812.61 |
| Hock | 10905.10 | Q025 | 2108.00 | 801.70 | 814.81 |
| Hock | 10905.10 | Q050 | 2790.00 | 801.70 | 815.93 |
| Hock | 10905.10 | Q100 | 3528.00 | 801.70 | 817.17 |
| Hock | 10905.10 | Q200 | 4274.00 | 801.70 | 818.14 |
| Hock | 10905.10 | Q250 | 4496.00 | 801.70 | 818.52 |
| Hock | 10905.10 | Q500 | 5331.00 | 801.70 | 819.70 |
| Hock | 10549.62 | Q005 | 832.00 | 801.80 | 810.57 |
| Hock | 10549.62 | Q010 | 1315.00 | 801.80 | 812.43 |
| Hock | 10549.62 | Q025 | 2108.00 | 801.80 | 814.59 |
| Hock | 10549.62 | Q050 | 2790.00 | 801.80 | 815.65 |
| Hock | 10549.62 | Q100 | 3528.00 | 801.80 | 816.86 |
| Hock | 10549.62 | Q200 | 4274.00 | 801.80 | 818.12 |
| Hock | 10549.62 | Q250 | 4496.00 | 801.80 | 818.50 |

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|------|----------|------|---------|--------|--------|
| Hock | 10549.62 | Q500 | 5331.00 | 801.80 | 819.69 |
| Hock | 10514.39 | Q005 | 832.00 | 802.30 | 810.55 |
| Hock | 10514.39 | Q010 | 1315.00 | 802.30 | 812.42 |
| Hock | 10514.39 | Q025 | 2108.00 | 802.30 | 814.57 |
| Hock | 10514.39 | Q050 | 2790.00 | 802.30 | 815.63 |
| Hock | 10514.39 | Q100 | 3528.00 | 802.30 | 816.84 |
| Hock | 10514.39 | Q200 | 4274.00 | 802.30 | 817.63 |
| Hock | 10514.39 | Q250 | 4496.00 | 802.30 | 817.99 |
| Hock | 10514.39 | Q500 | 5331.00 | 802.30 | 819.09 |
| Hock | 10501 | | Bridge | | |
| Hock | 10442.06 | Q005 | 832.00 | 802.30 | 810.52 |
| Hock | 10442.06 | Q010 | 1315.00 | 802.30 | 812.38 |
| Hock | 10442.06 | Q025 | 2108.00 | 802.30 | 814.54 |
| Hock | 10442.06 | Q050 | 2790.00 | 802.30 | 815.59 |
| Hock | 10442.06 | Q100 | 3528.00 | 802.30 | 816.72 |
| Hock | 10442.06 | Q200 | 4274.00 | 802.30 | 817.41 |
| Hock | 10442.06 | Q250 | 4496.00 | 802.30 | 817.73 |
| Hock | 10442.06 | Q500 | 5331.00 | 802.30 | 818.65 |
| Hock | 10355.34 | Q005 | 832.00 | 801.40 | 810.50 |
| Hock | 10355.34 | Q010 | 1315.00 | 801.40 | 812.36 |
| Hock | 10355.34 | Q025 | 2108.00 | 801.40 | 814.51 |

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|------|----------|------|---------|--------|--------|
| Hock | 10355.34 | Q050 | 2790.00 | 801.40 | 815.55 |
| Hock | 10355.34 | Q100 | 3528.00 | 801.40 | 816.67 |
| Hock | 10355.34 | Q200 | 4274.00 | 801.40 | 817.62 |
| Hock | 10355.34 | Q250 | 4496.00 | 801.40 | 817.94 |
| Hock | 10355.34 | Q500 | 5331.00 | 801.40 | 818.90 |
| Hock | 10117.20 | Q005 | 1308.00 | 802.10 | 810.23 |
| Hock | 10117.20 | Q010 | 1976.00 | 802.10 | 812.05 |
| Hock | 10117.20 | Q025 | 3049.00 | 802.10 | 814.11 |
| Hock | 10117.20 | Q050 | 3948.00 | 802.10 | 815.02 |
| Hock | 10117.20 | Q100 | 4932.00 | 802.10 | 816.03 |
| Hock | 10117.20 | Q200 | 5939.00 | 802.10 | 816.67 |
| Hock | 10117.20 | Q250 | 6206.00 | 802.10 | 816.94 |
| Hock | 10117.20 | Q500 | 7273.00 | 802.10 | 818.89 |
| Hock | 10047.78 | Q005 | 1308.00 | 802.40 | 810.18 |
| Hock | 10047.78 | Q010 | 1976.00 | 802.40 | 812.01 |
| Hock | 10047.78 | Q025 | 3049.00 | 802.40 | 814.09 |
| Hock | 10047.78 | Q050 | 3948.00 | 802.40 | 815.02 |
| Hock | 10047.78 | Q100 | 4932.00 | 802.40 | 816.05 |
| Hock | 10047.78 | Q200 | 5939.00 | 802.40 | 816.71 |
| Hock | 10047.78 | Q250 | 6206.00 | 802.40 | 817.00 |
| Hock | 10047.78 | Q500 | 7273.00 | 802.40 | 818.02 |
| Hock | 10022 | | Bridge | | |

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|------|----------|------|---------|--------|--------|
| Hock | 9991.358 | Q005 | 1308.00 | 801.90 | 810.15 |
| Hock | 9991.358 | Q010 | 1976.00 | 801.90 | 811.97 |
| Hock | 9991.358 | Q025 | 3049.00 | 801.90 | 814.02 |
| Hock | 9991.358 | Q050 | 3948.00 | 801.90 | 814.91 |
| Hock | 9991.358 | Q100 | 4932.00 | 801.90 | 815.88 |
| Hock | 9991.358 | Q200 | 5939.00 | 801.90 | 816.47 |
| Hock | 9991.358 | Q250 | 6206.00 | 801.90 | 816.74 |
| Hock | 9991.358 | Q500 | 7273.00 | 801.90 | 817.68 |
| Hock | 9910.883 | Q005 | 1308.00 | 801.90 | 810.03 |
| Hock | 9910.883 | Q010 | 1976.00 | 801.90 | 811.83 |
| Hock | 9910.883 | Q025 | 3049.00 | 801.90 | 813.85 |
| Hock | 9910.883 | Q050 | 3948.00 | 801.90 | 814.90 |
| Hock | 9910.883 | Q100 | 4932.00 | 801.90 | 815.91 |
| Hock | 9910.883 | Q200 | 5939.00 | 801.90 | 816.53 |
| Hock | 9910.883 | Q250 | 6206.00 | 801.90 | 816.81 |
| Hock | 9910.883 | Q500 | 7273.00 | 801.90 | 818.16 |
| Hock | 9743.661 | Q005 | 1308.00 | 802.00 | 809.85 |
| Hock | 9743.661 | Q010 | 1976.00 | 802.00 | 811.66 |
| Hock | 9743.661 | Q025 | 3049.00 | 802.00 | 813.94 |
| Hock | 9743.661 | Q050 | 3948.00 | 802.00 | 814.92 |
| Hock | 9743.661 | Q100 | 4932.00 | 802.00 | 815.95 |
| Hock | 9743.661 | Q200 | 5939.00 | 802.00 | 816.58 |

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|------|----------|------|---------|--------|--------|
| Hock | 9743.661 | Q250 | 6206.00 | 802.00 | 816.87 |
| Hock | 9743.661 | Q500 | 7273.00 | 802.00 | 818.16 |
| Hock | 9482.908 | Q005 | 1308.00 | 802.10 | 809.51 |
| Hock | 9482.908 | Q010 | 1976.00 | 802.10 | 811.33 |
| Hock | 9482.908 | Q025 | 3049.00 | 802.10 | 813.53 |
| Hock | 9482.908 | Q050 | 3948.00 | 802.10 | 814.90 |
| Hock | 9482.908 | Q100 | 4932.00 | 802.10 | 815.91 |
| Hock | 9482.908 | Q200 | 5939.00 | 802.10 | 816.53 |
| Hock | 9482.908 | Q250 | 6206.00 | 802.10 | 816.81 |
| Hock | 9482.908 | Q500 | 7273.00 | 802.10 | 818.15 |
| Hock | 9228.178 | Q005 | 1308.00 | 802.20 | 809.12 |
| Hock | 9228.178 | Q010 | 1976.00 | 802.20 | 811.02 |
| Hock | 9228.178 | Q025 | 3049.00 | 802.20 | 813.28 |
| Hock | 9228.178 | Q050 | 3948.00 | 802.20 | 814.90 |
| Hock | 9228.178 | Q100 | 4932.00 | 802.20 | 815.91 |
| Hock | 9228.178 | Q200 | 5939.00 | 802.20 | 816.52 |
| Hock | 9228.178 | Q250 | 6206.00 | 802.20 | 816.81 |
| Hock | 9228.178 | Q500 | 7273.00 | 802.20 | 818.15 |
| Hock | 8948.921 | Q005 | 1308.00 | 802.30 | 808.96 |
| Hock | 8948.921 | Q010 | 1976.00 | 802.30 | 810.96 |
| Hock | 8948.921 | Q025 | 3049.00 | 802.30 | 813.27 |
| Hock | 8948.921 | Q050 | 3948.00 | 802.30 | 814.89 |

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|------|----------|------|---------|--------|--------|
| Hock | 8948.921 | Q100 | 4932.00 | 802.30 | 816.05 |
| Hock | 8948.921 | Q200 | 5939.00 | 802.30 | 816.70 |
| Hock | 8948.921 | Q250 | 6206.00 | 802.30 | 816.99 |
| Hock | 8948.921 | Q500 | 7273.00 | 802.30 | 818.15 |
| Hock | 8690.031 | Q005 | 1308.00 | 801.60 | 808.92 |
| Hock | 8690.031 | Q010 | 1976.00 | 801.60 | 810.93 |
| Hock | 8690.031 | Q025 | 3049.00 | 801.60 | 813.26 |
| Hock | 8690.031 | Q050 | 3948.00 | 801.60 | 814.87 |
| Hock | 8690.031 | Q100 | 4932.00 | 801.60 | 815.86 |
| Hock | 8690.031 | Q200 | 5939.00 | 801.60 | 816.69 |
| Hock | 8690.031 | Q250 | 6206.00 | 801.60 | 816.98 |
| Hock | 8690.031 | Q500 | 7273.00 | 801.60 | 818.14 |
| Hock | 8438.305 | Q005 | 1308.00 | 800.80 | 808.78 |
| Hock | 8438.305 | Q010 | 1976.00 | 800.80 | 810.74 |
| Hock | 8438.305 | Q025 | 3049.00 | 800.80 | 813.03 |
| Hock | 8438.305 | Q050 | 3948.00 | 800.80 | 814.63 |
| Hock | 8438.305 | Q100 | 4932.00 | 800.80 | 815.56 |
| Hock | 8438.305 | Q200 | 5939.00 | 800.80 | 816.69 |
| Hock | 8438.305 | Q250 | 6206.00 | 800.80 | 816.98 |
| Hock | 8438.305 | Q500 | 7273.00 | 800.80 | 818.14 |
| Hock | 8187.591 | Q005 | 1308.00 | 800.10 | 808.63 |
| Hock | 8187.591 | Q010 | 1976.00 | 800.10 | 810.58 |

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|------|----------|------|---------|--------|--------|
| Hock | 8187.591 | Q025 | 3049.00 | 800.10 | 812.80 |
| Hock | 8187.591 | Q050 | 3948.00 | 800.10 | 814.33 |
| Hock | 8187.591 | Q100 | 4932.00 | 800.10 | 815.15 |
| Hock | 8187.591 | Q200 | 5939.00 | 800.10 | 815.82 |
| Hock | 8187.591 | Q250 | 6206.00 | 800.10 | 816.06 |
| Hock | 8187.591 | Q500 | 7273.00 | 800.10 | 818.12 |
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| Hock | 8045.260 | Q005 | 1308.00 | 800.80 | 808.56 |
| Hock | 8045.260 | Q010 | 1976.00 | 800.80 | 810.53 |
| Hock | 8045.260 | Q025 | 3049.00 | 800.80 | 812.77 |
| Hock | 8045.260 | Q050 | 3948.00 | 800.80 | 814.33 |
| Hock | 8045.260 | Q100 | 4932.00 | 800.80 | 815.17 |
| Hock | 8045.260 | Q200 | 5939.00 | 800.80 | 815.88 |
| Hock | 8045.260 | Q250 | 6206.00 | 800.80 | 816.13 |
| Hock | 8045.260 | Q500 | 7273.00 | 800.80 | 818.04 |
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| Hock | 8029 | | Bridge | | |
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| Hock | 7980.945 | Q005 | 1308.00 | 800.80 | 808.49 |
| Hock | 7980.945 | Q010 | 1976.00 | 800.80 | 810.46 |
| Hock | 7980.945 | Q025 | 3049.00 | 800.80 | 812.70 |
| Hock | 7980.945 | Q050 | 3948.00 | 800.80 | 814.25 |
| Hock | 7980.945 | Q100 | 4932.00 | 800.80 | 815.06 |
| Hock | 7980.945 | Q200 | 5939.00 | 800.80 | 815.73 |
| Hock | 7980.945 | Q250 | 6206.00 | 800.80 | 815.98 |

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|------|----------|------|---------|--------|--------|
| Hock | 7980.945 | Q500 | 7273.00 | 800.80 | 817.37 |
| Hock | 7860.190 | Q005 | 1308.00 | 799.60 | 808.40 |
| Hock | 7860.190 | Q010 | 1976.00 | 799.60 | 810.36 |
| Hock | 7860.190 | Q025 | 3049.00 | 799.60 | 812.57 |
| Hock | 7860.190 | Q050 | 3948.00 | 799.60 | 814.10 |
| Hock | 7860.190 | Q100 | 4932.00 | 799.60 | 814.86 |
| Hock | 7860.190 | Q200 | 5939.00 | 799.60 | 815.46 |
| Hock | 7860.190 | Q250 | 6206.00 | 799.60 | 815.69 |
| Hock | 7860.190 | Q500 | 7273.00 | 799.60 | 816.39 |
| Hock | 7627.149 | Q005 | 1308.00 | 799.40 | 808.30 |
| Hock | 7627.149 | Q010 | 1976.00 | 799.40 | 810.26 |
| Hock | 7627.149 | Q025 | 3049.00 | 799.40 | 812.45 |
| Hock | 7627.149 | Q050 | 3948.00 | 799.40 | 813.96 |
| Hock | 7627.149 | Q100 | 4932.00 | 799.40 | 814.68 |
| Hock | 7627.149 | Q200 | 5939.00 | 799.40 | 815.23 |
| Hock | 7627.149 | Q250 | 6206.00 | 799.40 | 815.45 |
| Hock | 7627.149 | Q500 | 7273.00 | 799.40 | 816.07 |
| Hock | 7393.240 | Q005 | 1308.00 | 799.10 | 808.17 |
| Hock | 7393.240 | Q010 | 1976.00 | 799.10 | 810.12 |
| Hock | 7393.240 | Q025 | 3049.00 | 799.10 | 812.28 |
| Hock | 7393.240 | Q050 | 3948.00 | 799.10 | 813.77 |
| Hock | 7393.240 | Q100 | 4932.00 | 799.10 | 814.40 |

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| Hock | 7393.240 | Q200 | 5939.00 | 799.10 | 814.86 |
| Hock | 7393.240 | Q250 | 6206.00 | 799.10 | 815.07 |
| Hock | 7393.240 | Q500 | 7273.00 | 799.10 | 815.66 |
| Hock | 7298.741 | Q005 | 1308.00 | 799.00 | 808.10 |
| Hock | 7298.741 | Q010 | 1976.00 | 799.00 | 810.05 |
| Hock | 7298.741 | Q025 | 3049.00 | 799.00 | 812.22 |
| Hock | 7298.741 | Q050 | 3948.00 | 799.00 | 813.73 |
| Hock | 7298.741 | Q100 | 4932.00 | 799.00 | 814.36 |
| Hock | 7298.741 | Q200 | 5939.00 | 799.00 | 814.81 |
| Hock | 7298.741 | Q250 | 6206.00 | 799.00 | 815.02 |
| Hock | 7298.741 | Q500 | 7273.00 | 799.00 | 815.61 |
| Hock | 7289 | | Bridge | | |
| Hock | 7239.249 | Q005 | 1308.00 | 799.00 | 808.04 |
| Hock | 7239.249 | Q010 | 1976.00 | 799.00 | 809.98 |
| Hock | 7239.249 | Q025 | 3049.00 | 799.00 | 812.13 |
| Hock | 7239.249 | Q050 | 3948.00 | 799.00 | 813.63 |
| Hock | 7239.249 | Q100 | 4932.00 | 799.00 | 814.23 |
| Hock | 7239.249 | Q200 | 5939.00 | 799.00 | 814.63 |
| Hock | 7239.249 | Q250 | 6206.00 | 799.00 | 814.84 |
| Hock | 7239.249 | Q500 | 7273.00 | 799.00 | 815.39 |
| Hock | 7107.016 | Q005 | 1308.00 | 799.20 | 807.96 |

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|------|----------|------|---------|--------|--------|
| Hock | 7107.016 | Q010 | 1976.00 | 799.20 | 809.90 |
| Hock | 7107.016 | Q025 | 3049.00 | 799.20 | 812.01 |
| Hock | 7107.016 | Q050 | 3948.00 | 799.20 | 813.48 |
| Hock | 7107.016 | Q100 | 4932.00 | 799.20 | 814.01 |
| Hock | 7107.016 | Q200 | 5939.00 | 799.20 | 814.88 |
| Hock | 7107.016 | Q250 | 6206.00 | 799.20 | 815.11 |
| Hock | 7107.016 | Q500 | 7273.00 | 799.20 | 815.76 |
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| Hock | 6846.551 | Q005 | 1308.00 | 799.20 | 807.77 |
| Hock | 6846.551 | Q010 | 1976.00 | 799.20 | 809.71 |
| Hock | 6846.551 | Q025 | 3049.00 | 799.20 | 811.91 |
| Hock | 6846.551 | Q050 | 3948.00 | 799.20 | 813.46 |
| Hock | 6846.551 | Q100 | 4932.00 | 799.20 | 814.30 |
| Hock | 6846.551 | Q200 | 5939.00 | 799.20 | 814.86 |
| Hock | 6846.551 | Q250 | 6206.00 | 799.20 | 815.09 |
| Hock | 6846.551 | Q500 | 7273.00 | 799.20 | 815.74 |
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| Hock | 6587.279 | Q005 | 1308.00 | 799.10 | 807.62 |
| Hock | 6587.279 | Q010 | 1976.00 | 799.10 | 809.57 |
| Hock | 6587.279 | Q025 | 3049.00 | 799.10 | 811.75 |
| Hock | 6587.279 | Q050 | 3948.00 | 799.10 | 813.29 |
| Hock | 6587.279 | Q100 | 4932.00 | 799.10 | 814.29 |
| Hock | 6587.279 | Q200 | 5939.00 | 799.10 | 814.85 |
| Hock | 6587.279 | Q250 | 6206.00 | 799.10 | 815.08 |
| Hock | 6587.279 | Q500 | 7273.00 | 799.10 | 815.73 |

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|------|----------|------|---------|--------|--------|
| Hock | 6330.769 | Q005 | 1308.00 | 799.10 | 807.45 |
| Hock | 6330.769 | Q010 | 1976.00 | 799.10 | 809.46 |
| Hock | 6330.769 | Q025 | 3049.00 | 799.10 | 811.72 |
| Hock | 6330.769 | Q050 | 3948.00 | 799.10 | 813.30 |
| Hock | 6330.769 | Q100 | 4932.00 | 799.10 | 814.28 |
| Hock | 6330.769 | Q200 | 5939.00 | 799.10 | 814.84 |
| Hock | 6330.769 | Q250 | 6206.00 | 799.10 | 815.07 |
| Hock | 6330.769 | Q500 | 7273.00 | 799.10 | 815.71 |
| Hock | 6048.223 | Q005 | 1308.00 | 799.00 | 807.30 |
| Hock | 6048.223 | Q010 | 1976.00 | 799.00 | 809.29 |
| Hock | 6048.223 | Q025 | 3049.00 | 799.00 | 811.50 |
| Hock | 6048.223 | Q050 | 3948.00 | 799.00 | 813.10 |
| Hock | 6048.223 | Q100 | 4932.00 | 799.00 | 814.01 |
| Hock | 6048.223 | Q200 | 5939.00 | 799.00 | 814.54 |
| Hock | 6048.223 | Q250 | 6206.00 | 799.00 | 814.79 |
| Hock | 6048.223 | Q500 | 7273.00 | 799.00 | 815.45 |
| Hock | 5968.066 | Q005 | 1426.00 | 798.20 | 807.03 |
| Hock | 5968.066 | Q010 | 2164.00 | 798.20 | 808.97 |
| Hock | 5968.066 | Q025 | 3335.00 | 798.20 | 811.07 |
| Hock | 5968.066 | Q050 | 4309.00 | 798.20 | 813.09 |
| Hock | 5968.066 | Q100 | 5374.00 | 798.20 | 814.03 |
| Hock | 5968.066 | Q200 | 6470.00 | 798.20 | 814.57 |

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| Hock | 5968.066 | Q250 | 6768.00 | 798.20 | 814.82 |
| Hock | 5968.066 | Q500 | 7937.00 | 798.20 | 815.48 |
| Hock | 5948.207 | Q005 | 1426.00 | 798.20 | 807.03 |
| Hock | 5948.207 | Q010 | 2164.00 | 798.20 | 808.97 |
| Hock | 5948.207 | Q025 | 3335.00 | 798.20 | 811.08 |
| Hock | 5948.207 | Q050 | 4309.00 | 798.20 | 812.83 |
| Hock | 5948.207 | Q100 | 5374.00 | 798.20 | 813.83 |
| Hock | 5948.207 | Q200 | 6470.00 | 798.20 | 814.36 |
| Hock | 5948.207 | Q250 | 6768.00 | 798.20 | 814.65 |
| Hock | 5948.207 | Q500 | 7937.00 | 798.20 | 815.38 |
| Hock | 5872.962 | Q005 | 1426.00 | 798.90 | 806.98 |
| Hock | 5872.962 | Q010 | 2164.00 | 798.90 | 808.92 |
| Hock | 5872.962 | Q025 | 3335.00 | 798.90 | 811.03 |
| Hock | 5872.962 | Q050 | 4309.00 | 798.90 | 812.86 |
| Hock | 5872.962 | Q100 | 5374.00 | 798.90 | 813.84 |
| Hock | 5872.962 | Q200 | 6470.00 | 798.90 | 814.37 |
| Hock | 5872.962 | Q250 | 6768.00 | 798.90 | 814.65 |
| Hock | 5872.962 | Q500 | 7937.00 | 798.90 | 815.38 |
| Hock | 5617.072 | Q005 | 1426.00 | 798.70 | 806.83 |
| Hock | 5617.072 | Q010 | 2164.00 | 798.70 | 808.78 |
| Hock | 5617.072 | Q025 | 3335.00 | 798.70 | 810.87 |
| Hock | 5617.072 | Q050 | 4309.00 | 798.70 | 812.62 |

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|------|----------|------|---------|--------|--------|
| Hock | 5617.072 | Q100 | 5374.00 | 798.70 | 813.56 |
| Hock | 5617.072 | Q200 | 6470.00 | 798.70 | 814.22 |
| Hock | 5617.072 | Q250 | 6768.00 | 798.70 | 814.52 |
| Hock | 5617.072 | Q500 | 7937.00 | 798.70 | 815.26 |
| Hock | 5379.276 | Q005 | 1426.00 | 798.50 | 806.69 |
| Hock | 5379.276 | Q010 | 2164.00 | 798.50 | 808.65 |
| Hock | 5379.276 | Q025 | 3335.00 | 798.50 | 810.72 |
| Hock | 5379.276 | Q050 | 4309.00 | 798.50 | 812.35 |
| Hock | 5379.276 | Q100 | 5374.00 | 798.50 | 813.15 |
| Hock | 5379.276 | Q200 | 6470.00 | 798.50 | 813.49 |
| Hock | 5379.276 | Q250 | 6768.00 | 798.50 | 813.74 |
| Hock | 5379.276 | Q500 | 7937.00 | 798.50 | 814.21 |
| Hock | 5312.154 | Q005 | 1426.00 | 798.40 | 806.66 |
| Hock | 5312.154 | Q010 | 2164.00 | 798.40 | 808.62 |
| Hock | 5312.154 | Q025 | 3335.00 | 798.40 | 810.69 |
| Hock | 5312.154 | Q050 | 4309.00 | 798.40 | 812.31 |
| Hock | 5312.154 | Q100 | 5374.00 | 798.40 | 813.08 |
| Hock | 5312.154 | Q200 | 6470.00 | 798.40 | 813.40 |
| Hock | 5312.154 | Q250 | 6768.00 | 798.40 | 813.64 |
| Hock | 5312.154 | Q500 | 7937.00 | 798.40 | 814.11 |
| Hock | 5253.910 | Q005 | 1426.00 | 798.20 | 806.64 |
| Hock | 5253.910 | Q010 | 2164.00 | 798.20 | 808.60 |

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|------|----------|------|---------|--------|--------|
| Hock | 5253.910 | Q025 | 3335.00 | 798.20 | 810.68 |
| Hock | 5253.910 | Q050 | 4309.00 | 798.20 | 812.31 |
| Hock | 5253.910 | Q100 | 5374.00 | 798.20 | 813.10 |
| Hock | 5253.910 | Q200 | 6470.00 | 798.20 | 813.42 |
| Hock | 5253.910 | Q250 | 6768.00 | 798.20 | 813.66 |
| Hock | 5253.910 | Q500 | 7937.00 | 798.20 | 814.14 |
| Hock | 5243 | | Bridge | | |
| Hock | 5194.030 | Q005 | 1426.00 | 798.20 | 806.59 |
| Hock | 5194.030 | Q010 | 2164.00 | 798.20 | 808.54 |
| Hock | 5194.030 | Q025 | 3335.00 | 798.20 | 810.60 |
| Hock | 5194.030 | Q050 | 4309.00 | 798.20 | 812.23 |
| Hock | 5194.030 | Q100 | 5374.00 | 798.20 | 812.97 |
| Hock | 5194.030 | Q200 | 6470.00 | 798.20 | 813.22 |
| Hock | 5194.030 | Q250 | 6768.00 | 798.20 | 813.45 |
| Hock | 5194.030 | Q500 | 7937.00 | 798.20 | 813.86 |
| Hock | 5134.394 | Q005 | 1426.00 | 794.00 | 806.55 |
| Hock | 5134.394 | Q010 | 2164.00 | 794.00 | 808.47 |
| Hock | 5134.394 | Q025 | 3335.00 | 794.00 | 810.48 |
| Hock | 5134.394 | Q050 | 4309.00 | 794.00 | 812.06 |
| Hock | 5134.394 | Q100 | 5374.00 | 794.00 | 812.74 |
| Hock | 5134.394 | Q200 | 6470.00 | 794.00 | 812.89 |
| Hock | 5134.394 | Q250 | 6768.00 | 794.00 | 813.10 |

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|------|----------|------|---------|--------|--------|
| Hock | 5134.394 | Q500 | 7937.00 | 794.00 | 814.29 |
| Hock | 4836.698 | Q005 | 1426.00 | 795.70 | 806.51 |
| Hock | 4836.698 | Q010 | 2164.00 | 795.70 | 808.44 |
| Hock | 4836.698 | Q025 | 3335.00 | 795.70 | 810.44 |
| Hock | 4836.698 | Q050 | 4309.00 | 795.70 | 812.03 |
| Hock | 4836.698 | Q100 | 5374.00 | 795.70 | 812.70 |
| Hock | 4836.698 | Q200 | 6470.00 | 795.70 | 813.48 |
| Hock | 4836.698 | Q250 | 6768.00 | 795.70 | 813.72 |
| Hock | 4836.698 | Q500 | 7937.00 | 795.70 | 814.28 |
| Hock | 4542.354 | Q005 | 1426.00 | 797.30 | 806.35 |
| Hock | 4542.354 | Q010 | 2164.00 | 797.30 | 808.25 |
| Hock | 4542.354 | Q025 | 3335.00 | 797.30 | 810.17 |
| Hock | 4542.354 | Q050 | 4309.00 | 797.30 | 811.73 |
| Hock | 4542.354 | Q100 | 5374.00 | 797.30 | 812.75 |
| Hock | 4542.354 | Q200 | 6470.00 | 797.30 | 813.28 |
| Hock | 4542.354 | Q250 | 6768.00 | 797.30 | 813.52 |
| Hock | 4542.354 | Q500 | 7937.00 | 797.30 | 814.07 |
| Hock | 4491.738 | Q005 | 1426.00 | 797.10 | 806.33 |
| Hock | 4491.738 | Q010 | 2164.00 | 797.10 | 808.23 |
| Hock | 4491.738 | Q025 | 3335.00 | 797.10 | 810.16 |
| Hock | 4491.738 | Q050 | 4309.00 | 797.10 | 811.73 |
| Hock | 4491.738 | Q100 | 5374.00 | 797.10 | 812.30 |

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|------|----------|------|---------|--------|--------|
| Hock | 4491.738 | Q200 | 6470.00 | 797.10 | 812.64 |
| Hock | 4491.738 | Q250 | 6768.00 | 797.10 | 812.84 |
| Hock | 4491.738 | Q500 | 7937.00 | 797.10 | 813.15 |
| Hock | 4480 | | Bridge | | |
| Hock | 4423.693 | Q005 | 1426.00 | 797.10 | 806.30 |
| Hock | 4423.693 | Q010 | 2164.00 | 797.10 | 808.20 |
| Hock | 4423.693 | Q025 | 3335.00 | 797.10 | 810.11 |
| Hock | 4423.693 | Q050 | 4309.00 | 797.10 | 811.65 |
| Hock | 4423.693 | Q100 | 5374.00 | 797.10 | 812.18 |
| Hock | 4423.693 | Q200 | 6470.00 | 797.10 | 812.45 |
| Hock | 4423.693 | Q250 | 6768.00 | 797.10 | 812.64 |
| Hock | 4423.693 | Q500 | 7937.00 | 797.10 | 812.86 |
| Hock | 4385.159 | Q005 | 1426.00 | 796.80 | 806.23 |
| Hock | 4385.159 | Q010 | 2164.00 | 796.80 | 808.10 |
| Hock | 4385.159 | Q025 | 3335.00 | 796.80 | 809.96 |
| Hock | 4385.159 | Q050 | 4309.00 | 796.80 | 811.47 |
| Hock | 4385.159 | Q100 | 5374.00 | 796.80 | 811.92 |
| Hock | 4385.159 | Q200 | 6470.00 | 796.80 | 812.08 |
| Hock | 4385.159 | Q250 | 6768.00 | 796.80 | 812.23 |
| Hock | 4385.159 | Q500 | 7937.00 | 796.80 | 812.26 |
| Hock | 4129.430 | Q005 | 1426.00 | 796.90 | 806.10 |

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|------|----------|------|---------|--------|--------|
| Hock | 4129.430 | Q010 | 2164.00 | 796.90 | 807.95 |
| Hock | 4129.430 | Q025 | 3335.00 | 796.90 | 809.76 |
| Hock | 4129.430 | Q050 | 4309.00 | 796.90 | 811.24 |
| Hock | 4129.430 | Q100 | 5374.00 | 796.90 | 811.59 |
| Hock | 4129.430 | Q200 | 6470.00 | 796.90 | 811.60 |
| Hock | 4129.430 | Q250 | 6768.00 | 796.90 | 811.68 |
| Hock | 4129.430 | Q500 | 7937.00 | 796.90 | 811.69 |
| Hock | 3869.379 | Q005 | 1426.00 | 797.10 | 805.97 |
| Hock | 3869.379 | Q010 | 2164.00 | 797.10 | 807.81 |
| Hock | 3869.379 | Q025 | 3335.00 | 797.10 | 809.58 |
| Hock | 3869.379 | Q050 | 4309.00 | 797.10 | 811.05 |
| Hock | 3869.379 | Q100 | 5374.00 | 797.10 | 811.30 |
| Hock | 3869.379 | Q200 | 6470.00 | 797.10 | 811.31 |
| Hock | 3869.379 | Q250 | 6768.00 | 797.10 | 811.32 |
| Hock | 3869.379 | Q500 | 7937.00 | 797.10 | 812.43 |
| Hock | 3606.907 | Q005 | 1426.00 | 797.20 | 805.88 |
| Hock | 3606.907 | Q010 | 2164.00 | 797.20 | 807.70 |
| Hock | 3606.907 | Q025 | 3335.00 | 797.20 | 809.44 |
| Hock | 3606.907 | Q050 | 4309.00 | 797.20 | 810.91 |
| Hock | 3606.907 | Q100 | 5374.00 | 797.20 | 811.10 |
| Hock | 3606.907 | Q200 | 6470.00 | 797.20 | 811.11 |
| Hock | 3606.907 | Q250 | 6768.00 | 797.20 | 811.12 |
| Hock | 3606.907 | Q500 | 7937.00 | 797.20 | 812.42 |

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|------|----------|------|---------|--------|--------|
| Hock | 3317.477 | Q005 | 1426.00 | 797.40 | 805.72 |
| Hock | 3317.477 | Q010 | 2164.00 | 797.40 | 807.52 |
| Hock | 3317.477 | Q025 | 3335.00 | 797.40 | 809.18 |
| Hock | 3317.477 | Q050 | 4309.00 | 797.40 | 810.60 |
| Hock | 3317.477 | Q100 | 5374.00 | 797.40 | 811.33 |
| Hock | 3317.477 | Q200 | 6470.00 | 797.40 | 811.34 |
| Hock | 3317.477 | Q250 | 6768.00 | 797.40 | 811.35 |
| Hock | 3317.477 | Q500 | 7937.00 | 797.40 | 812.14 |
| Hock | 3092.223 | Q005 | 1426.00 | 797.50 | 805.62 |
| Hock | 3092.223 | Q010 | 2164.00 | 797.50 | 807.42 |
| Hock | 3092.223 | Q025 | 3335.00 | 797.50 | 809.06 |
| Hock | 3092.223 | Q050 | 4309.00 | 797.50 | 810.50 |
| Hock | 3092.223 | Q100 | 5374.00 | 797.50 | 810.70 |
| Hock | 3092.223 | Q200 | 6470.00 | 797.50 | 810.71 |
| Hock | 3092.223 | Q250 | 6768.00 | 797.50 | 810.72 |
| Hock | 3092.223 | Q500 | 7937.00 | 797.50 | 810.79 |
| Hock | 2834.305 | Q005 | 2477.00 | 797.20 | 805.11 |
| Hock | 2834.305 | Q010 | 3494.00 | 797.20 | 806.85 |
| Hock | 2834.305 | Q025 | 5125.00 | 797.20 | 808.23 |
| Hock | 2834.305 | Q050 | 6510.00 | 797.20 | 809.50 |
| Hock | 2834.305 | Q100 | 8004.00 | 797.20 | 809.51 |
| Hock | 2834.305 | Q200 | 9548.00 | 797.20 | 810.07 |

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|------|----------|------|----------|--------|--------|
| Hock | 2834.305 | Q250 | 9982.00 | 797.20 | 810.08 |
| Hock | 2834.305 | Q500 | 11660.00 | 797.20 | 811.10 |
| Hock | 2567.872 | Q005 | 2477.00 | 796.80 | 804.86 |
| Hock | 2567.872 | Q010 | 3494.00 | 796.80 | 806.62 |
| Hock | 2567.872 | Q025 | 5125.00 | 796.80 | 807.91 |
| Hock | 2567.872 | Q050 | 6510.00 | 796.80 | 809.19 |
| Hock | 2567.872 | Q100 | 8004.00 | 796.80 | 810.12 |
| Hock | 2567.872 | Q200 | 9548.00 | 796.80 | 810.33 |
| Hock | 2567.872 | Q250 | 9982.00 | 796.80 | 810.34 |
| Hock | 2567.872 | Q500 | 11660.00 | 796.80 | 811.29 |
| Hock | 2314.795 | Q005 | 2477.00 | 796.50 | 804.59 |
| Hock | 2314.795 | Q010 | 3494.00 | 796.50 | 806.36 |
| Hock | 2314.795 | Q025 | 5125.00 | 796.50 | 807.64 |
| Hock | 2314.795 | Q050 | 6510.00 | 796.50 | 808.93 |
| Hock | 2314.795 | Q100 | 8004.00 | 796.50 | 810.11 |
| Hock | 2314.795 | Q200 | 9548.00 | 796.50 | 810.31 |
| Hock | 2314.795 | Q250 | 9982.00 | 796.50 | 810.32 |
| Hock | 2314.795 | Q500 | 11660.00 | 796.50 | 811.28 |
| Hock | 2027.006 | Q005 | 2477.00 | 796.20 | 804.25 |
| Hock | 2027.006 | Q010 | 3494.00 | 796.20 | 806.03 |
| Hock | 2027.006 | Q025 | 5125.00 | 796.20 | 807.35 |
| Hock | 2027.006 | Q050 | 6510.00 | 796.20 | 808.68 |

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|------|----------|------|----------|--------|--------|
| Hock | 2027.006 | Q100 | 8004.00 | 796.20 | 809.30 |
| Hock | 2027.006 | Q200 | 9548.00 | 796.20 | 810.28 |
| Hock | 2027.006 | Q250 | 9982.00 | 796.20 | 810.29 |
| Hock | 2027.006 | Q500 | 11660.00 | 796.20 | 811.25 |
| Hock | 1742.875 | Q005 | 2477.00 | 795.80 | 804.04 |
| Hock | 1742.875 | Q010 | 3494.00 | 795.80 | 805.85 |
| Hock | 1742.875 | Q025 | 5125.00 | 795.80 | 806.98 |
| Hock | 1742.875 | Q050 | 6510.00 | 795.80 | 808.58 |
| Hock | 1742.875 | Q100 | 8004.00 | 795.80 | 809.19 |
| Hock | 1742.875 | Q200 | 9548.00 | 795.80 | 809.69 |
| Hock | 1742.875 | Q250 | 9982.00 | 795.80 | 810.25 |
| Hock | 1742.875 | Q500 | 11660.00 | 795.80 | 811.22 |
| Hock | 1482.146 | Q005 | 2477.00 | 795.40 | 803.77 |
| Hock | 1482.146 | Q010 | 3494.00 | 795.40 | 805.55 |
| Hock | 1482.146 | Q025 | 5125.00 | 795.40 | 806.49 |
| Hock | 1482.146 | Q050 | 6510.00 | 795.40 | 808.33 |
| Hock | 1482.146 | Q100 | 8004.00 | 795.40 | 808.88 |
| Hock | 1482.146 | Q200 | 9548.00 | 795.40 | 809.31 |
| Hock | 1482.146 | Q250 | 9982.00 | 795.40 | 809.56 |
| Hock | 1482.146 | Q500 | 11660.00 | 795.40 | 811.21 |
| Hock | 1224.459 | Q005 | 2477.00 | 795.10 | 803.51 |
| Hock | 1224.459 | Q010 | 3494.00 | 795.10 | 805.28 |

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|------|----------|------|----------|--------|--------|
| Hock | 1224.459 | Q025 | 5125.00 | 795.10 | 806.00 |
| Hock | 1224.459 | Q050 | 6510.00 | 795.10 | 808.01 |
| Hock | 1224.459 | Q100 | 8004.00 | 795.10 | 809.15 |
| Hock | 1224.459 | Q200 | 9548.00 | 795.10 | 809.65 |
| Hock | 1224.459 | Q250 | 9982.00 | 795.10 | 809.91 |
| Hock | 1224.459 | Q500 | 11660.00 | 795.10 | 811.19 |
| Hock | 981.918 | Q005 | 2477.00 | 794.80 | 803.34 |
| Hock | 981.918 | Q010 | 3494.00 | 794.80 | 805.12 |
| Hock | 981.918 | Q025 | 5125.00 | 794.80 | 805.71 |
| Hock | 981.918 | Q050 | 6510.00 | 794.80 | 807.90 |
| Hock | 981.918 | Q100 | 8004.00 | 794.80 | 809.10 |
| Hock | 981.918 | Q200 | 9548.00 | 794.80 | 809.60 |
| Hock | 981.918 | Q250 | 9982.00 | 794.80 | 809.86 |
| Hock | 981.918 | Q500 | 11660.00 | 794.80 | 811.16 |
| Hock | 750.570 | Q005 | 2477.00 | 794.40 | 803.02 |
| Hock | 750.570 | Q010 | 3494.00 | 794.40 | 804.77 |
| Hock | 750.570 | Q025 | 5125.00 | 794.40 | 804.95 |
| Hock | 750.570 | Q050 | 6510.00 | 794.40 | 807.68 |
| Hock | 750.570 | Q100 | 8004.00 | 794.40 | 809.08 |
| Hock | 750.570 | Q200 | 9548.00 | 794.40 | 809.58 |
| Hock | 750.570 | Q250 | 9982.00 | 794.40 | 809.84 |
| Hock | 750.570 | Q500 | 11660.00 | 794.40 | 811.15 |

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|------|---------|------|----------|--------|--------|
| Hock | 523.096 | Q005 | 2477.00 | 794.10 | 802.87 |
| Hock | 523.096 | Q010 | 3494.00 | 794.10 | 804.63 |
| Hock | 523.096 | Q025 | 5125.00 | 794.10 | 804.65 |
| Hock | 523.096 | Q050 | 6510.00 | 794.10 | 807.46 |
| Hock | 523.096 | Q100 | 8004.00 | 794.10 | 809.07 |
| Hock | 523.096 | Q200 | 9548.00 | 794.10 | 809.57 |
| Hock | 523.096 | Q250 | 9982.00 | 794.10 | 809.84 |
| Hock | 523.096 | Q500 | 11660.00 | 794.10 | 811.14 |
| Hock | 292.661 | Q005 | 2477.00 | 793.80 | 802.52 |
| Hock | 292.661 | Q010 | 3494.00 | 793.80 | 804.34 |
| Hock | 292.661 | Q025 | 5125.00 | 793.80 | 804.35 |
| Hock | 292.661 | Q050 | 6510.00 | 793.80 | 806.87 |
| Hock | 292.661 | Q100 | 8004.00 | 793.80 | 808.10 |
| Hock | 292.661 | Q200 | 9548.00 | 793.80 | 809.55 |
| Hock | 292.661 | Q250 | 9982.00 | 793.80 | 809.82 |
| Hock | 292.661 | Q500 | 11660.00 | 793.80 | 811.13 |
| Hock | 228.314 | Q005 | 2477.00 | 792.00 | 802.53 |
| Hock | 228.314 | Q010 | 3494.00 | 792.00 | 804.32 |
| Hock | 228.314 | Q025 | 5125.00 | 792.00 | 804.33 |
| Hock | 228.314 | Q050 | 6510.00 | 792.00 | 806.82 |
| Hock | 228.314 | Q100 | 8004.00 | 792.00 | 808.64 |
| Hock | 228.314 | Q200 | 9548.00 | 792.00 | 809.51 |
| Hock | 228.314 | Q250 | 9982.00 | 792.00 | 809.78 |

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|------|---------|------|----------|--------|--------|
| Hock | 228.314 | Q500 | 11660.00 | 792.00 | 811.10 |
| Hock | 218 | | Bridge | | |
| Hock | 168.464 | Q005 | 2477.00 | 792.00 | 802.45 |
| Hock | 168.464 | Q010 | 3494.00 | 792.00 | 804.26 |
| Hock | 168.464 | Q025 | 5125.00 | 792.00 | 804.27 |
| Hock | 168.464 | Q050 | 6510.00 | 792.00 | 805.09 |
| Hock | 168.464 | Q100 | 8004.00 | 792.00 | 807.63 |
| Hock | 168.464 | Q200 | 9548.00 | 792.00 | 809.17 |
| Hock | 168.464 | Q250 | 9982.00 | 792.00 | 809.59 |
| Hock | 168.464 | Q500 | 11660.00 | 792.00 | 811.00 |
| Hock | 98.008 | Q005 | 2332.00 | 792.60 | 802.22 |
| Hock | 98.008 | Q010 | 3324.00 | 792.60 | 803.96 |
| Hock | 98.008 | Q025 | 4913.00 | 792.60 | 803.97 |
| Hock | 98.008 | Q050 | 6255.00 | 792.60 | 803.98 |
| Hock | 98.008 | Q100 | 7707.00 | 792.60 | 803.99 |
| Hock | 98.008 | Q200 | 9212.00 | 792.60 | 804.00 |
| Hock | 98.008 | Q250 | 9636.00 | 792.60 | 804.16 |
| Hock | 98.008 | Q500 | 11273.00 | 792.60 | 805.33 |

Profile Output Table - HEC-FDA

HEC-RAS Plan: HockRiver_DamsRemoved River: Hocking River Reach: Hock

Rivers = 1
 # Hydraulic Reaches = 1
 # River Stations = 260
 # Plans = 1
 # Profiles = 8

| Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) |
|-------|-----------|---------|------------------|-------------------|-------------------|
| Hock | 49098.52 | Q005 | 198.00 | 880.77 | 883.72 |
| Hock | 49098.52 | Q010 | 313.00 | 880.77 | 884.42 |
| Hock | 49098.52 | Q025 | 555.00 | 880.77 | 885.51 |
| Hock | 49098.52 | Q050 | 767.00 | 880.77 | 886.23 |
| Hock | 49098.52 | Q100 | 997.00 | 880.77 | 886.90 |
| Hock | 49098.52 | Q200 | 1233.00 | 880.77 | 887.46 |
| Hock | 49098.52 | Q250 | 1299.00 | 880.77 | 887.61 |
| Hock | 49098.52 | Q500 | 1567.00 | 880.77 | 888.22 |
| Hock | 48993.27 | Q005 | 198.00 | 881.00 | 883.25 |
| Hock | 48993.27 | Q010 | 313.00 | 881.00 | 884.08 |
| Hock | 48993.27 | Q025 | 555.00 | 881.00 | 885.34 |
| Hock | 48993.27 | Q050 | 767.00 | 881.00 | 886.17 |
| Hock | 48993.27 | Q100 | 997.00 | 881.00 | 886.94 |
| Hock | 48993.27 | Q200 | 1233.00 | 881.00 | 887.60 |
| Hock | 48993.27 | Q250 | 1299.00 | 881.00 | 887.78 |
| Hock | 48993.27 | Q500 | 1567.00 | 881.00 | 888.47 |

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|------|----------|------|---------|--------|--------|
| Hock | 48684.94 | Q005 | 325.00 | 879.10 | 881.89 |
| Hock | 48684.94 | Q010 | 539.00 | 879.10 | 882.73 |
| Hock | 48684.94 | Q025 | 964.00 | 879.10 | 883.95 |
| Hock | 48684.94 | Q050 | 1322.00 | 879.10 | 884.71 |
| Hock | 48684.94 | Q100 | 1703.00 | 879.10 | 885.33 |
| Hock | 48684.94 | Q200 | 2090.00 | 879.10 | 885.63 |
| Hock | 48684.94 | Q250 | 2203.00 | 879.10 | 885.68 |
| Hock | 48684.94 | Q500 | 2636.00 | 879.10 | 885.86 |
| Hock | 48407.53 | Q005 | 325.00 | 878.10 | 880.89 |
| Hock | 48407.53 | Q010 | 539.00 | 878.10 | 881.70 |
| Hock | 48407.53 | Q025 | 964.00 | 878.10 | 882.89 |
| Hock | 48407.53 | Q050 | 1322.00 | 878.10 | 883.66 |
| Hock | 48407.53 | Q100 | 1703.00 | 878.10 | 884.38 |
| Hock | 48407.53 | Q200 | 2090.00 | 878.10 | 885.19 |
| Hock | 48407.53 | Q250 | 2203.00 | 878.10 | 885.20 |
| Hock | 48407.53 | Q500 | 2636.00 | 878.10 | 885.66 |
| Hock | 48149.86 | Q005 | 325.00 | 877.10 | 879.63 |
| Hock | 48149.86 | Q010 | 539.00 | 877.10 | 880.43 |
| Hock | 48149.86 | Q025 | 964.00 | 877.10 | 881.53 |
| Hock | 48149.86 | Q050 | 1322.00 | 877.10 | 882.02 |
| Hock | 48149.86 | Q100 | 1703.00 | 877.10 | 882.48 |
| Hock | 48149.86 | Q200 | 2090.00 | 877.10 | 882.49 |

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|------|----------|------|---------|--------|--------|
| Hock | 48149.86 | Q250 | 2203.00 | 877.10 | 882.80 |
| Hock | 48149.86 | Q500 | 2636.00 | 877.10 | 883.27 |
| Hock | 48027.94 | Q005 | 325.00 | 876.70 | 879.27 |
| Hock | 48027.94 | Q010 | 539.00 | 876.70 | 880.09 |
| Hock | 48027.94 | Q025 | 964.00 | 876.70 | 881.16 |
| Hock | 48027.94 | Q050 | 1322.00 | 876.70 | 881.51 |
| Hock | 48027.94 | Q100 | 1703.00 | 876.70 | 881.82 |
| Hock | 48027.94 | Q200 | 2090.00 | 876.70 | 882.22 |
| Hock | 48027.94 | Q250 | 2203.00 | 876.70 | 882.32 |
| Hock | 48027.94 | Q500 | 2636.00 | 876.70 | 882.68 |
| Hock | 47864.75 | Q005 | 325.00 | 876.00 | 878.57 |
| Hock | 47864.75 | Q010 | 539.00 | 876.00 | 879.32 |
| Hock | 47864.75 | Q025 | 964.00 | 876.00 | 880.16 |
| Hock | 47864.75 | Q050 | 1322.00 | 876.00 | 880.68 |
| Hock | 47864.75 | Q100 | 1703.00 | 876.00 | 881.04 |
| Hock | 47864.75 | Q200 | 2090.00 | 876.00 | 881.36 |
| Hock | 47864.75 | Q250 | 2203.00 | 876.00 | 881.43 |
| Hock | 47864.75 | Q500 | 2636.00 | 876.00 | 881.69 |
| Hock | 47611.88 | Q005 | 325.00 | 875.00 | 877.43 |
| Hock | 47611.88 | Q010 | 539.00 | 875.00 | 878.14 |
| Hock | 47611.88 | Q025 | 964.00 | 875.00 | 879.12 |
| Hock | 47611.88 | Q050 | 1322.00 | 875.00 | 879.84 |

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|------|----------|------|---------|--------|--------|
| Hock | 47611.88 | Q100 | 1703.00 | 875.00 | 880.35 |
| Hock | 47611.88 | Q200 | 2090.00 | 875.00 | 880.36 |
| Hock | 47611.88 | Q250 | 2203.00 | 875.00 | 880.43 |
| Hock | 47611.88 | Q500 | 2636.00 | 875.00 | 880.65 |
| Hock | 47348.61 | Q005 | 325.00 | 873.90 | 876.63 |
| Hock | 47348.61 | Q010 | 539.00 | 873.90 | 877.23 |
| Hock | 47348.61 | Q025 | 964.00 | 873.90 | 877.83 |
| Hock | 47348.61 | Q050 | 1322.00 | 873.90 | 878.08 |
| Hock | 47348.61 | Q100 | 1703.00 | 873.90 | 878.32 |
| Hock | 47348.61 | Q200 | 2090.00 | 873.90 | 879.01 |
| Hock | 47348.61 | Q250 | 2203.00 | 873.90 | 879.08 |
| Hock | 47348.61 | Q500 | 2636.00 | 873.90 | 879.30 |
| Hock | 47102.27 | Q005 | 325.00 | 873.00 | 876.19 |
| Hock | 47102.27 | Q010 | 539.00 | 873.00 | 876.74 |
| Hock | 47102.27 | Q025 | 964.00 | 873.00 | 877.44 |
| Hock | 47102.27 | Q050 | 1322.00 | 873.00 | 877.86 |
| Hock | 47102.27 | Q100 | 1703.00 | 873.00 | 878.21 |
| Hock | 47102.27 | Q200 | 2090.00 | 873.00 | 878.52 |
| Hock | 47102.27 | Q250 | 2203.00 | 873.00 | 878.58 |
| Hock | 47102.27 | Q500 | 2636.00 | 873.00 | 878.88 |
| Hock | 46858.53 | Q005 | 325.00 | 872.00 | 875.60 |
| Hock | 46858.53 | Q010 | 539.00 | 872.00 | 876.09 |

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|------|----------|------|---------|--------|--------|
| Hock | 46858.53 | Q025 | 964.00 | 872.00 | 876.96 |
| Hock | 46858.53 | Q050 | 1322.00 | 872.00 | 877.34 |
| Hock | 46858.53 | Q100 | 1703.00 | 872.00 | 877.65 |
| Hock | 46858.53 | Q200 | 2090.00 | 872.00 | 877.96 |
| Hock | 46858.53 | Q250 | 2203.00 | 872.00 | 877.99 |
| Hock | 46858.53 | Q500 | 2636.00 | 872.00 | 878.26 |
| | | | | | |
| Hock | 46819.70 | Q005 | 325.00 | 871.52 | 875.55 |
| Hock | 46819.70 | Q010 | 539.00 | 871.52 | 875.98 |
| Hock | 46819.70 | Q025 | 964.00 | 871.52 | 876.70 |
| Hock | 46819.70 | Q050 | 1322.00 | 871.52 | 877.04 |
| Hock | 46819.70 | Q100 | 1703.00 | 871.52 | 877.29 |
| Hock | 46819.70 | Q200 | 2090.00 | 871.52 | 877.59 |
| Hock | 46819.70 | Q250 | 2203.00 | 871.52 | 877.60 |
| Hock | 46819.70 | Q500 | 2636.00 | 871.52 | 877.61 |
| | | | | | |
| Hock | 46809 | | Culvert | | |
| | | | | | |
| Hock | 46783.77 | Q005 | 325.00 | 869.90 | 873.18 |
| Hock | 46783.77 | Q010 | 539.00 | 869.90 | 873.90 |
| Hock | 46783.77 | Q025 | 964.00 | 869.90 | 874.91 |
| Hock | 46783.77 | Q050 | 1322.00 | 869.90 | 875.58 |
| Hock | 46783.77 | Q100 | 1703.00 | 869.90 | 876.36 |
| Hock | 46783.77 | Q200 | 2090.00 | 869.90 | 876.97 |
| Hock | 46783.77 | Q250 | 2203.00 | 869.90 | 877.07 |

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|------|----------|------|---------|--------|--------|
| Hock | 46783.77 | Q500 | 2636.00 | 869.90 | 877.19 |
| Hock | 46762.80 | Q005 | 325.00 | 869.90 | 873.01 |
| Hock | 46762.80 | Q010 | 539.00 | 869.90 | 873.73 |
| Hock | 46762.80 | Q025 | 964.00 | 869.90 | 874.78 |
| Hock | 46762.80 | Q050 | 1322.00 | 869.90 | 875.52 |
| Hock | 46762.80 | Q100 | 1703.00 | 869.90 | 875.94 |
| Hock | 46762.80 | Q200 | 2090.00 | 869.90 | 876.25 |
| Hock | 46762.80 | Q250 | 2203.00 | 869.90 | 876.35 |
| Hock | 46762.80 | Q500 | 2636.00 | 869.90 | 876.82 |
| Hock | 46512.47 | Q005 | 325.00 | 869.10 | 871.78 |
| Hock | 46512.47 | Q010 | 539.00 | 869.10 | 872.51 |
| Hock | 46512.47 | Q025 | 964.00 | 869.10 | 873.51 |
| Hock | 46512.47 | Q050 | 1322.00 | 869.10 | 874.11 |
| Hock | 46512.47 | Q100 | 1703.00 | 869.10 | 874.65 |
| Hock | 46512.47 | Q200 | 2090.00 | 869.10 | 875.14 |
| Hock | 46512.47 | Q250 | 2203.00 | 869.10 | 875.18 |
| Hock | 46512.47 | Q500 | 2636.00 | 869.10 | 875.25 |
| Hock | 46260.17 | Q005 | 325.00 | 868.20 | 870.83 |
| Hock | 46260.17 | Q010 | 539.00 | 868.20 | 871.55 |
| Hock | 46260.17 | Q025 | 964.00 | 868.20 | 872.55 |
| Hock | 46260.17 | Q050 | 1322.00 | 868.20 | 873.11 |
| Hock | 46260.17 | Q100 | 1703.00 | 868.20 | 873.54 |

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|------|----------|------|---------|--------|--------|
| Hock | 46260.17 | Q200 | 2090.00 | 868.20 | 873.89 |
| Hock | 46260.17 | Q250 | 2203.00 | 868.20 | 873.99 |
| Hock | 46260.17 | Q500 | 2636.00 | 868.20 | 874.34 |
| Hock | 46012.19 | Q005 | 325.00 | 867.30 | 870.08 |
| Hock | 46012.19 | Q010 | 539.00 | 867.30 | 870.82 |
| Hock | 46012.19 | Q025 | 964.00 | 867.30 | 871.84 |
| Hock | 46012.19 | Q050 | 1322.00 | 867.30 | 872.45 |
| Hock | 46012.19 | Q100 | 1703.00 | 867.30 | 872.90 |
| Hock | 46012.19 | Q200 | 2090.00 | 867.30 | 873.21 |
| Hock | 46012.19 | Q250 | 2203.00 | 867.30 | 873.27 |
| Hock | 46012.19 | Q500 | 2636.00 | 867.30 | 873.49 |
| Hock | 45745.26 | Q005 | 325.00 | 866.40 | 868.95 |
| Hock | 45745.26 | Q010 | 539.00 | 866.40 | 869.64 |
| Hock | 45745.26 | Q025 | 964.00 | 866.40 | 870.42 |
| Hock | 45745.26 | Q050 | 1322.00 | 866.40 | 870.87 |
| Hock | 45745.26 | Q100 | 1703.00 | 866.40 | 871.26 |
| Hock | 45745.26 | Q200 | 2090.00 | 866.40 | 871.60 |
| Hock | 45745.26 | Q250 | 2203.00 | 866.40 | 871.70 |
| Hock | 45745.26 | Q500 | 2636.00 | 866.40 | 872.01 |
| Hock | 45628.82 | Q005 | 325.00 | 866.00 | 868.39 |
| Hock | 45628.82 | Q010 | 539.00 | 866.00 | 869.04 |
| Hock | 45628.82 | Q025 | 964.00 | 866.00 | 869.63 |

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|------|----------|------|---------|--------|--------|
| Hock | 45628.82 | Q050 | 1322.00 | 866.00 | 869.96 |
| Hock | 45628.82 | Q100 | 1703.00 | 866.00 | 870.38 |
| Hock | 45628.82 | Q200 | 2090.00 | 866.00 | 870.63 |
| Hock | 45628.82 | Q250 | 2203.00 | 866.00 | 870.70 |
| Hock | 45628.82 | Q500 | 2636.00 | 866.00 | 870.90 |
| Hock | 45486.69 | Q005 | 325.00 | 865.30 | 867.58 |
| Hock | 45486.69 | Q010 | 539.00 | 865.30 | 868.03 |
| Hock | 45486.69 | Q025 | 964.00 | 865.30 | 868.63 |
| Hock | 45486.69 | Q050 | 1322.00 | 865.30 | 868.99 |
| Hock | 45486.69 | Q100 | 1703.00 | 865.30 | 869.23 |
| Hock | 45486.69 | Q200 | 2090.00 | 865.30 | 869.44 |
| Hock | 45486.69 | Q250 | 2203.00 | 865.30 | 869.49 |
| Hock | 45486.69 | Q500 | 2636.00 | 865.30 | 869.70 |
| Hock | 45372.38 | Q005 | 325.00 | 864.80 | 867.21 |
| Hock | 45372.38 | Q010 | 539.00 | 864.80 | 867.50 |
| Hock | 45372.38 | Q025 | 964.00 | 864.80 | 867.96 |
| Hock | 45372.38 | Q050 | 1322.00 | 864.80 | 868.23 |
| Hock | 45372.38 | Q100 | 1703.00 | 864.80 | 868.45 |
| Hock | 45372.38 | Q200 | 2090.00 | 864.80 | 868.65 |
| Hock | 45372.38 | Q250 | 2203.00 | 864.80 | 868.70 |
| Hock | 45372.38 | Q500 | 2636.00 | 864.80 | 868.88 |
| Hock | 45230.57 | Q005 | 325.00 | 864.20 | 866.63 |

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|------|----------|------|---------|--------|--------|
| Hock | 45230.57 | Q010 | 539.00 | 864.20 | 867.07 |
| Hock | 45230.57 | Q025 | 964.00 | 864.20 | 867.27 |
| Hock | 45230.57 | Q050 | 1322.00 | 864.20 | 867.45 |
| Hock | 45230.57 | Q100 | 1703.00 | 864.20 | 867.63 |
| Hock | 45230.57 | Q200 | 2090.00 | 864.20 | 867.79 |
| Hock | 45230.57 | Q250 | 2203.00 | 864.20 | 867.84 |
| Hock | 45230.57 | Q500 | 2636.00 | 864.20 | 868.01 |
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| Hock | 44953.58 | Q005 | 325.00 | 863.00 | 865.32 |
| Hock | 44953.58 | Q010 | 539.00 | 863.00 | 865.93 |
| Hock | 44953.58 | Q025 | 964.00 | 863.00 | 866.60 |
| Hock | 44953.58 | Q050 | 1322.00 | 863.00 | 866.88 |
| Hock | 44953.58 | Q100 | 1703.00 | 863.00 | 867.09 |
| Hock | 44953.58 | Q200 | 2090.00 | 863.00 | 867.29 |
| Hock | 44953.58 | Q250 | 2203.00 | 863.00 | 867.34 |
| Hock | 44953.58 | Q500 | 2636.00 | 863.00 | 867.53 |
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| Hock | 44697.50 | Q005 | 325.00 | 861.90 | 864.32 |
| Hock | 44697.50 | Q010 | 539.00 | 861.90 | 865.02 |
| Hock | 44697.50 | Q025 | 964.00 | 861.90 | 865.99 |
| Hock | 44697.50 | Q050 | 1322.00 | 861.90 | 866.39 |
| Hock | 44697.50 | Q100 | 1703.00 | 861.90 | 866.67 |
| Hock | 44697.50 | Q200 | 2090.00 | 861.90 | 866.88 |
| Hock | 44697.50 | Q250 | 2203.00 | 861.90 | 866.94 |
| Hock | 44697.50 | Q500 | 2636.00 | 861.90 | 867.14 |

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|------|----------|------|---------|--------|--------|
| Hock | 44443.22 | Q005 | 325.00 | 860.80 | 863.28 |
| Hock | 44443.22 | Q010 | 539.00 | 860.80 | 864.02 |
| Hock | 44443.22 | Q025 | 964.00 | 860.80 | 865.08 |
| Hock | 44443.22 | Q050 | 1322.00 | 860.80 | 865.65 |
| Hock | 44443.22 | Q100 | 1703.00 | 860.80 | 866.12 |
| Hock | 44443.22 | Q200 | 2090.00 | 860.80 | 866.24 |
| Hock | 44443.22 | Q250 | 2203.00 | 860.80 | 866.33 |
| Hock | 44443.22 | Q500 | 2636.00 | 860.80 | 866.34 |
| Hock | 44149.09 | Q005 | 325.00 | 859.50 | 862.02 |
| Hock | 44149.09 | Q010 | 539.00 | 859.50 | 862.73 |
| Hock | 44149.09 | Q025 | 964.00 | 859.50 | 863.69 |
| Hock | 44149.09 | Q050 | 1322.00 | 859.50 | 863.88 |
| Hock | 44149.09 | Q100 | 1703.00 | 859.50 | 863.97 |
| Hock | 44149.09 | Q200 | 2090.00 | 859.50 | 864.72 |
| Hock | 44149.09 | Q250 | 2203.00 | 859.50 | 864.73 |
| Hock | 44149.09 | Q500 | 2636.00 | 859.50 | 865.19 |
| Hock | 43898.79 | Q005 | 325.00 | 858.50 | 860.96 |
| Hock | 43898.79 | Q010 | 539.00 | 858.50 | 861.62 |
| Hock | 43898.79 | Q025 | 964.00 | 858.50 | 862.66 |
| Hock | 43898.79 | Q050 | 1322.00 | 858.50 | 863.33 |
| Hock | 43898.79 | Q100 | 1703.00 | 858.50 | 863.81 |
| Hock | 43898.79 | Q200 | 2090.00 | 858.50 | 864.15 |

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|------|----------|------|---------|--------|--------|
| Hock | 43898.79 | Q250 | 2203.00 | 858.50 | 864.34 |
| Hock | 43898.79 | Q500 | 2636.00 | 858.50 | 864.83 |
| Hock | 43647.91 | Q005 | 325.00 | 857.40 | 860.06 |
| Hock | 43647.91 | Q010 | 539.00 | 857.40 | 860.84 |
| Hock | 43647.91 | Q025 | 964.00 | 857.40 | 862.02 |
| Hock | 43647.91 | Q050 | 1322.00 | 857.40 | 862.80 |
| Hock | 43647.91 | Q100 | 1703.00 | 857.40 | 863.47 |
| Hock | 43647.91 | Q200 | 2090.00 | 857.40 | 863.83 |
| Hock | 43647.91 | Q250 | 2203.00 | 857.40 | 864.07 |
| Hock | 43647.91 | Q500 | 2636.00 | 857.40 | 864.64 |
| Hock | 43394.75 | Q005 | 325.00 | 856.40 | 858.92 |
| Hock | 43394.75 | Q010 | 539.00 | 856.40 | 859.73 |
| Hock | 43394.75 | Q025 | 964.00 | 856.40 | 860.86 |
| Hock | 43394.75 | Q050 | 1322.00 | 856.40 | 861.60 |
| Hock | 43394.75 | Q100 | 1703.00 | 856.40 | 862.20 |
| Hock | 43394.75 | Q200 | 2090.00 | 856.40 | 862.59 |
| Hock | 43394.75 | Q250 | 2203.00 | 856.40 | 862.60 |
| Hock | 43394.75 | Q500 | 2636.00 | 856.40 | 862.61 |
| Hock | 43183.68 | Q005 | 325.00 | 855.50 | 858.25 |
| Hock | 43183.68 | Q010 | 539.00 | 855.50 | 859.13 |
| Hock | 43183.68 | Q025 | 964.00 | 855.50 | 860.35 |
| Hock | 43183.68 | Q050 | 1322.00 | 855.50 | 861.18 |

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|------|----------|------|---------|--------|--------|
| Hock | 43183.68 | Q100 | 1703.00 | 855.50 | 861.79 |
| Hock | 43183.68 | Q200 | 2090.00 | 855.50 | 861.96 |
| Hock | 43183.68 | Q250 | 2203.00 | 855.50 | 862.47 |
| Hock | 43183.68 | Q500 | 2636.00 | 855.50 | 862.48 |
| Hock | 42961.61 | Q005 | 325.00 | 854.60 | 857.26 |
| Hock | 42961.61 | Q010 | 539.00 | 854.60 | 858.14 |
| Hock | 42961.61 | Q025 | 964.00 | 854.60 | 859.45 |
| Hock | 42961.61 | Q050 | 1322.00 | 854.60 | 860.28 |
| Hock | 42961.61 | Q100 | 1703.00 | 854.60 | 860.93 |
| Hock | 42961.61 | Q200 | 2090.00 | 854.60 | 860.97 |
| Hock | 42961.61 | Q250 | 2203.00 | 854.60 | 861.82 |
| Hock | 42961.61 | Q500 | 2636.00 | 854.60 | 862.43 |
| Hock | 42732.49 | Q005 | 325.00 | 853.60 | 856.69 |
| Hock | 42732.49 | Q010 | 539.00 | 853.60 | 857.65 |
| Hock | 42732.49 | Q025 | 964.00 | 853.60 | 859.00 |
| Hock | 42732.49 | Q050 | 1322.00 | 853.60 | 859.82 |
| Hock | 42732.49 | Q100 | 1703.00 | 853.60 | 860.33 |
| Hock | 42732.49 | Q200 | 2090.00 | 853.60 | 860.34 |
| Hock | 42732.49 | Q250 | 2203.00 | 853.60 | 861.26 |
| Hock | 42732.49 | Q500 | 2636.00 | 853.60 | 861.87 |
| Hock | 42527.14 | Q005 | 325.00 | 852.80 | 856.02 |
| Hock | 42527.14 | Q010 | 539.00 | 852.80 | 856.95 |

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| Hock | 42527.14 | Q025 | 964.00 | 852.80 | 858.19 |
| Hock | 42527.14 | Q050 | 1322.00 | 852.80 | 858.87 |
| Hock | 42527.14 | Q100 | 1703.00 | 852.80 | 858.88 |
| Hock | 42527.14 | Q200 | 2090.00 | 852.80 | 860.07 |
| Hock | 42527.14 | Q250 | 2203.00 | 852.80 | 860.08 |
| Hock | 42527.14 | Q500 | 2636.00 | 852.80 | 860.09 |
| Hock | 42271.38 | Q005 | 361.00 | 852.00 | 855.14 |
| Hock | 42271.38 | Q010 | 595.00 | 852.00 | 856.05 |
| Hock | 42271.38 | Q025 | 1046.00 | 852.00 | 857.37 |
| Hock | 42271.38 | Q050 | 1426.00 | 852.00 | 857.98 |
| Hock | 42271.38 | Q100 | 1832.00 | 852.00 | 858.48 |
| Hock | 42271.38 | Q200 | 2243.00 | 852.00 | 858.49 |
| Hock | 42271.38 | Q250 | 2364.00 | 852.00 | 858.50 |
| Hock | 42271.38 | Q500 | 2824.00 | 852.00 | 858.64 |
| Hock | 42018.34 | Q005 | 361.00 | 851.30 | 854.30 |
| Hock | 42018.34 | Q010 | 595.00 | 851.30 | 855.22 |
| Hock | 42018.34 | Q025 | 1046.00 | 851.30 | 856.62 |
| Hock | 42018.34 | Q050 | 1426.00 | 851.30 | 857.25 |
| Hock | 42018.34 | Q100 | 1832.00 | 851.30 | 857.69 |
| Hock | 42018.34 | Q200 | 2243.00 | 851.30 | 858.10 |
| Hock | 42018.34 | Q250 | 2364.00 | 851.30 | 858.19 |
| Hock | 42018.34 | Q500 | 2824.00 | 851.30 | 858.51 |

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|------|----------|------|---------|--------|--------|
| Hock | 41774.16 | Q005 | 361.00 | 850.50 | 853.63 |
| Hock | 41774.16 | Q010 | 595.00 | 850.50 | 854.63 |
| Hock | 41774.16 | Q025 | 1046.00 | 850.50 | 856.09 |
| Hock | 41774.16 | Q050 | 1426.00 | 850.50 | 856.80 |
| Hock | 41774.16 | Q100 | 1832.00 | 850.50 | 857.23 |
| Hock | 41774.16 | Q200 | 2243.00 | 850.50 | 857.55 |
| Hock | 41774.16 | Q250 | 2364.00 | 850.50 | 857.63 |
| Hock | 41774.16 | Q500 | 2824.00 | 850.50 | 857.92 |
| Hock | 41576.64 | Q005 | 361.00 | 850.00 | 853.23 |
| Hock | 41576.64 | Q010 | 595.00 | 850.00 | 854.28 |
| Hock | 41576.64 | Q025 | 1046.00 | 850.00 | 855.79 |
| Hock | 41576.64 | Q050 | 1426.00 | 850.00 | 856.42 |
| Hock | 41576.64 | Q100 | 1832.00 | 850.00 | 856.84 |
| Hock | 41576.64 | Q200 | 2243.00 | 850.00 | 857.10 |
| Hock | 41576.64 | Q250 | 2364.00 | 850.00 | 857.16 |
| Hock | 41576.64 | Q500 | 2824.00 | 850.00 | 857.43 |
| Hock | 41327.77 | Q005 | 361.00 | 849.20 | 852.51 |
| Hock | 41327.77 | Q010 | 595.00 | 849.20 | 853.53 |
| Hock | 41327.77 | Q025 | 1046.00 | 849.20 | 854.98 |
| Hock | 41327.77 | Q050 | 1426.00 | 849.20 | 855.66 |
| Hock | 41327.77 | Q100 | 1832.00 | 849.20 | 856.02 |
| Hock | 41327.77 | Q200 | 2243.00 | 849.20 | 856.35 |
| Hock | 41327.77 | Q250 | 2364.00 | 849.20 | 856.49 |

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|------|----------|------|---------|--------|--------|
| Hock | 41327.77 | Q500 | 2824.00 | 849.20 | 856.62 |
| Hock | 41078.47 | Q005 | 361.00 | 848.50 | 851.66 |
| Hock | 41078.47 | Q010 | 595.00 | 848.50 | 852.65 |
| Hock | 41078.47 | Q025 | 1046.00 | 848.50 | 854.08 |
| Hock | 41078.47 | Q050 | 1426.00 | 848.50 | 854.70 |
| Hock | 41078.47 | Q100 | 1832.00 | 848.50 | 855.40 |
| Hock | 41078.47 | Q200 | 2243.00 | 848.50 | 856.02 |
| Hock | 41078.47 | Q250 | 2364.00 | 848.50 | 856.21 |
| Hock | 41078.47 | Q500 | 2824.00 | 848.50 | 856.22 |
| Hock | 40875.63 | Q005 | 361.00 | 847.90 | 851.05 |
| Hock | 40875.63 | Q010 | 595.00 | 847.90 | 852.00 |
| Hock | 40875.63 | Q025 | 1046.00 | 847.90 | 853.39 |
| Hock | 40875.63 | Q050 | 1426.00 | 847.90 | 853.54 |
| Hock | 40875.63 | Q100 | 1832.00 | 847.90 | 853.66 |
| Hock | 40875.63 | Q200 | 2243.00 | 847.90 | 853.67 |
| Hock | 40875.63 | Q250 | 2364.00 | 847.90 | 853.68 |
| Hock | 40875.63 | Q500 | 2824.00 | 847.90 | 855.23 |
| Hock | 40690.91 | Q005 | 361.00 | 847.30 | 850.18 |
| Hock | 40690.91 | Q010 | 595.00 | 847.30 | 850.94 |
| Hock | 40690.91 | Q025 | 1046.00 | 847.30 | 852.00 |
| Hock | 40690.91 | Q050 | 1426.00 | 847.30 | 852.89 |
| Hock | 40690.91 | Q100 | 1832.00 | 847.30 | 853.46 |

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|------|----------|------|---------|--------|--------|
| Hock | 40690.91 | Q200 | 2243.00 | 847.30 | 853.91 |
| Hock | 40690.91 | Q250 | 2364.00 | 847.30 | 854.15 |
| Hock | 40690.91 | Q500 | 2824.00 | 847.30 | 854.70 |
| Hock | 40583.05 | Q005 | 361.00 | 846.10 | 850.05 |
| Hock | 40583.05 | Q010 | 595.00 | 846.10 | 850.84 |
| Hock | 40583.05 | Q025 | 1046.00 | 846.10 | 851.84 |
| Hock | 40583.05 | Q050 | 1426.00 | 846.10 | 852.51 |
| Hock | 40583.05 | Q100 | 1832.00 | 846.10 | 852.95 |
| Hock | 40583.05 | Q200 | 2243.00 | 846.10 | 853.34 |
| Hock | 40583.05 | Q250 | 2364.00 | 846.10 | 853.67 |
| Hock | 40583.05 | Q500 | 2824.00 | 846.10 | 854.25 |
| Hock | 40564 | | Bridge | | |
| Hock | 40372.78 | Q005 | 361.00 | 846.10 | 849.61 |
| Hock | 40372.78 | Q010 | 595.00 | 846.10 | 850.31 |
| Hock | 40372.78 | Q025 | 1046.00 | 846.10 | 851.22 |
| Hock | 40372.78 | Q050 | 1426.00 | 846.10 | 851.93 |
| Hock | 40372.78 | Q100 | 1832.00 | 846.10 | 852.28 |
| Hock | 40372.78 | Q200 | 2243.00 | 846.10 | 852.62 |
| Hock | 40372.78 | Q250 | 2364.00 | 846.10 | 853.19 |
| Hock | 40372.78 | Q500 | 2824.00 | 846.10 | 853.85 |
| Hock | 40229.93 | Q005 | 361.00 | 846.10 | 848.77 |

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|------|----------|------|---------|--------|--------|
| Hock | 40229.93 | Q010 | 595.00 | 846.10 | 849.51 |
| Hock | 40229.93 | Q025 | 1046.00 | 846.10 | 850.74 |
| Hock | 40229.93 | Q050 | 1426.00 | 846.10 | 851.64 |
| Hock | 40229.93 | Q100 | 1832.00 | 846.10 | 851.65 |
| Hock | 40229.93 | Q200 | 2243.00 | 846.10 | 851.66 |
| Hock | 40229.93 | Q250 | 2364.00 | 846.10 | 853.06 |
| Hock | 40229.93 | Q500 | 2824.00 | 846.10 | 853.76 |
| Hock | 39966.75 | Q005 | 361.00 | 844.60 | 847.18 |
| Hock | 39966.75 | Q010 | 595.00 | 844.60 | 848.08 |
| Hock | 39966.75 | Q025 | 1046.00 | 844.60 | 849.45 |
| Hock | 39966.75 | Q050 | 1426.00 | 844.60 | 850.34 |
| Hock | 39966.75 | Q100 | 1832.00 | 844.60 | 851.07 |
| Hock | 39966.75 | Q200 | 2243.00 | 844.60 | 851.08 |
| Hock | 39966.75 | Q250 | 2364.00 | 844.60 | 851.09 |
| Hock | 39966.75 | Q500 | 2824.00 | 844.60 | 851.10 |
| Hock | 39713.77 | Q005 | 361.00 | 843.20 | 845.88 |
| Hock | 39713.77 | Q010 | 595.00 | 843.20 | 846.80 |
| Hock | 39713.77 | Q025 | 1046.00 | 843.20 | 848.15 |
| Hock | 39713.77 | Q050 | 1426.00 | 843.20 | 849.00 |
| Hock | 39713.77 | Q100 | 1832.00 | 843.20 | 849.73 |
| Hock | 39713.77 | Q200 | 2243.00 | 843.20 | 849.74 |
| Hock | 39713.77 | Q250 | 2364.00 | 843.20 | 850.08 |
| Hock | 39713.77 | Q500 | 2824.00 | 843.20 | 850.81 |

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|------|----------|------|---------|--------|--------|
| Hock | 39497.31 | Q005 | 361.00 | 841.90 | 844.96 |
| Hock | 39497.31 | Q010 | 595.00 | 841.90 | 845.81 |
| Hock | 39497.31 | Q025 | 1046.00 | 841.90 | 847.09 |
| Hock | 39497.31 | Q050 | 1426.00 | 841.90 | 847.93 |
| Hock | 39497.31 | Q100 | 1832.00 | 841.90 | 848.70 |
| Hock | 39497.31 | Q200 | 2243.00 | 841.90 | 848.71 |
| Hock | 39497.31 | Q250 | 2364.00 | 841.90 | 848.72 |
| Hock | 39497.31 | Q500 | 2824.00 | 841.90 | 848.73 |
| Hock | 39282.17 | Q005 | 361.00 | 840.70 | 844.03 |
| Hock | 39282.17 | Q010 | 595.00 | 840.70 | 844.96 |
| Hock | 39282.17 | Q025 | 1046.00 | 840.70 | 846.31 |
| Hock | 39282.17 | Q050 | 1426.00 | 840.70 | 847.18 |
| Hock | 39282.17 | Q100 | 1832.00 | 840.70 | 847.96 |
| Hock | 39282.17 | Q200 | 2243.00 | 840.70 | 848.06 |
| Hock | 39282.17 | Q250 | 2364.00 | 840.70 | 848.23 |
| Hock | 39282.17 | Q500 | 2824.00 | 840.70 | 849.01 |
| Hock | 39050.52 | Q005 | 361.00 | 840.00 | 843.12 |
| Hock | 39050.52 | Q010 | 595.00 | 840.00 | 844.11 |
| Hock | 39050.52 | Q025 | 1046.00 | 840.00 | 845.42 |
| Hock | 39050.52 | Q050 | 1426.00 | 840.00 | 846.20 |
| Hock | 39050.52 | Q100 | 1832.00 | 840.00 | 846.87 |
| Hock | 39050.52 | Q200 | 2243.00 | 840.00 | 846.88 |

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|------|----------|------|---------|--------|--------|
| Hock | 39050.52 | Q250 | 2364.00 | 840.00 | 846.89 |
| Hock | 39050.52 | Q500 | 2824.00 | 840.00 | 846.90 |
| Hock | 38795.62 | Q005 | 361.00 | 839.30 | 842.30 |
| Hock | 38795.62 | Q010 | 595.00 | 839.30 | 843.27 |
| Hock | 38795.62 | Q025 | 1046.00 | 839.30 | 844.47 |
| Hock | 38795.62 | Q050 | 1426.00 | 839.30 | 845.13 |
| Hock | 38795.62 | Q100 | 1832.00 | 839.30 | 845.65 |
| Hock | 38795.62 | Q200 | 2243.00 | 839.30 | 846.40 |
| Hock | 38795.62 | Q250 | 2364.00 | 839.30 | 846.45 |
| Hock | 38795.62 | Q500 | 2824.00 | 839.30 | 846.90 |
| Hock | 38570.01 | Q005 | 361.00 | 838.60 | 841.77 |
| Hock | 38570.01 | Q010 | 595.00 | 838.60 | 842.82 |
| Hock | 38570.01 | Q025 | 1046.00 | 838.60 | 844.01 |
| Hock | 38570.01 | Q050 | 1426.00 | 838.60 | 844.67 |
| Hock | 38570.01 | Q100 | 1832.00 | 838.60 | 845.20 |
| Hock | 38570.01 | Q200 | 2243.00 | 838.60 | 845.67 |
| Hock | 38570.01 | Q250 | 2364.00 | 838.60 | 845.68 |
| Hock | 38570.01 | Q500 | 2824.00 | 838.60 | 846.00 |
| Hock | 38264.33 | Q005 | 361.00 | 837.70 | 841.20 |
| Hock | 38264.33 | Q010 | 595.00 | 837.70 | 842.25 |
| Hock | 38264.33 | Q025 | 1046.00 | 837.70 | 843.38 |
| Hock | 38264.33 | Q050 | 1426.00 | 837.70 | 844.02 |

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|------|----------|------|---------|--------|--------|
| Hock | 38264.33 | Q100 | 1832.00 | 837.70 | 844.56 |
| Hock | 38264.33 | Q200 | 2243.00 | 837.70 | 845.04 |
| Hock | 38264.33 | Q250 | 2364.00 | 837.70 | 845.05 |
| Hock | 38264.33 | Q500 | 2824.00 | 837.70 | 845.06 |
| Hock | 38088.79 | Q005 | 361.00 | 837.20 | 840.83 |
| Hock | 38088.79 | Q010 | 595.00 | 837.20 | 841.85 |
| Hock | 38088.79 | Q025 | 1046.00 | 837.20 | 843.01 |
| Hock | 38088.79 | Q050 | 1426.00 | 837.20 | 843.70 |
| Hock | 38088.79 | Q100 | 1832.00 | 837.20 | 844.28 |
| Hock | 38088.79 | Q200 | 2243.00 | 837.20 | 844.78 |
| Hock | 38088.79 | Q250 | 2364.00 | 837.20 | 844.79 |
| Hock | 38088.79 | Q500 | 2824.00 | 837.20 | 844.80 |
| Hock | 37848.21 | Q005 | 361.00 | 836.50 | 840.54 |
| Hock | 37848.21 | Q010 | 595.00 | 836.50 | 841.54 |
| Hock | 37848.21 | Q025 | 1046.00 | 836.50 | 842.55 |
| Hock | 37848.21 | Q050 | 1426.00 | 836.50 | 843.07 |
| Hock | 37848.21 | Q100 | 1832.00 | 836.50 | 843.47 |
| Hock | 37848.21 | Q200 | 2243.00 | 836.50 | 843.80 |
| Hock | 37848.21 | Q250 | 2364.00 | 836.50 | 844.08 |
| Hock | 37848.21 | Q500 | 2824.00 | 836.50 | 844.43 |
| Hock | 37612.52 | Q005 | 361.00 | 836.10 | 840.29 |
| Hock | 37612.52 | Q010 | 595.00 | 836.10 | 841.26 |

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|------|----------|------|---------|--------|--------|
| Hock | 37612.52 | Q025 | 1046.00 | 836.10 | 842.16 |
| Hock | 37612.52 | Q050 | 1426.00 | 836.10 | 842.68 |
| Hock | 37612.52 | Q100 | 1832.00 | 836.10 | 843.08 |
| Hock | 37612.52 | Q200 | 2243.00 | 836.10 | 843.44 |
| Hock | 37612.52 | Q250 | 2364.00 | 836.10 | 843.53 |
| Hock | 37612.52 | Q500 | 2824.00 | 836.10 | 843.88 |
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| Hock | 37369.30 | Q005 | 361.00 | 835.70 | 839.99 |
| Hock | 37369.30 | Q010 | 595.00 | 835.70 | 840.99 |
| Hock | 37369.30 | Q025 | 1046.00 | 835.70 | 841.88 |
| Hock | 37369.30 | Q050 | 1426.00 | 835.70 | 842.36 |
| Hock | 37369.30 | Q100 | 1832.00 | 835.70 | 842.78 |
| Hock | 37369.30 | Q200 | 2243.00 | 835.70 | 843.15 |
| Hock | 37369.30 | Q250 | 2364.00 | 835.70 | 843.25 |
| Hock | 37369.30 | Q500 | 2824.00 | 835.70 | 843.60 |
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| Hock | 37101.33 | Q005 | 361.00 | 835.30 | 839.60 |
| Hock | 37101.33 | Q010 | 595.00 | 835.30 | 840.69 |
| Hock | 37101.33 | Q025 | 1046.00 | 835.30 | 841.53 |
| Hock | 37101.33 | Q050 | 1426.00 | 835.30 | 841.97 |
| Hock | 37101.33 | Q100 | 1832.00 | 835.30 | 842.35 |
| Hock | 37101.33 | Q200 | 2243.00 | 835.30 | 842.68 |
| Hock | 37101.33 | Q250 | 2364.00 | 835.30 | 842.77 |
| Hock | 37101.33 | Q500 | 2824.00 | 835.30 | 843.08 |

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|------|----------|------|---------|--------|--------|
| Hock | 36886.15 | Q005 | 361.00 | 834.90 | 839.13 |
| Hock | 36886.15 | Q010 | 595.00 | 834.90 | 840.28 |
| Hock | 36886.15 | Q025 | 1046.00 | 834.90 | 841.24 |
| Hock | 36886.15 | Q050 | 1426.00 | 834.90 | 841.66 |
| Hock | 36886.15 | Q100 | 1832.00 | 834.90 | 842.03 |
| Hock | 36886.15 | Q200 | 2243.00 | 834.90 | 842.34 |
| Hock | 36886.15 | Q250 | 2364.00 | 834.90 | 842.42 |
| Hock | 36886.15 | Q500 | 2824.00 | 834.90 | 842.72 |
| Hock | 36580.50 | Q005 | 361.00 | 834.30 | 838.68 |
| Hock | 36580.50 | Q010 | 595.00 | 834.30 | 839.81 |
| Hock | 36580.50 | Q025 | 1046.00 | 834.30 | 840.86 |
| Hock | 36580.50 | Q050 | 1426.00 | 834.30 | 841.26 |
| Hock | 36580.50 | Q100 | 1832.00 | 834.30 | 841.60 |
| Hock | 36580.50 | Q200 | 2243.00 | 834.30 | 841.89 |
| Hock | 36580.50 | Q250 | 2364.00 | 834.30 | 841.96 |
| Hock | 36580.50 | Q500 | 2824.00 | 834.30 | 842.23 |
| Hock | 36329.03 | Q005 | 361.00 | 833.80 | 838.14 |
| Hock | 36329.03 | Q010 | 595.00 | 833.80 | 839.28 |
| Hock | 36329.03 | Q025 | 1046.00 | 833.80 | 840.21 |
| Hock | 36329.03 | Q050 | 1426.00 | 833.80 | 840.68 |
| Hock | 36329.03 | Q100 | 1832.00 | 833.80 | 841.06 |
| Hock | 36329.03 | Q200 | 2243.00 | 833.80 | 841.34 |
| Hock | 36329.03 | Q250 | 2364.00 | 833.80 | 841.42 |

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|------|----------|------|---------|--------|--------|
| Hock | 36329.03 | Q500 | 2824.00 | 833.80 | 841.68 |
| Hock | 36080.41 | Q005 | 361.00 | 833.30 | 837.69 |
| Hock | 36080.41 | Q010 | 595.00 | 833.30 | 838.80 |
| Hock | 36080.41 | Q025 | 1046.00 | 833.30 | 839.44 |
| Hock | 36080.41 | Q050 | 1426.00 | 833.30 | 839.78 |
| Hock | 36080.41 | Q100 | 1832.00 | 833.30 | 840.09 |
| Hock | 36080.41 | Q200 | 2243.00 | 833.30 | 840.35 |
| Hock | 36080.41 | Q250 | 2364.00 | 833.30 | 840.43 |
| Hock | 36080.41 | Q500 | 2824.00 | 833.30 | 840.68 |
| Hock | 35827.39 | Q005 | 361.00 | 832.70 | 837.32 |
| Hock | 35827.39 | Q010 | 595.00 | 832.70 | 838.45 |
| Hock | 35827.39 | Q025 | 1046.00 | 832.70 | 839.09 |
| Hock | 35827.39 | Q050 | 1426.00 | 832.70 | 839.35 |
| Hock | 35827.39 | Q100 | 1832.00 | 832.70 | 839.58 |
| Hock | 35827.39 | Q200 | 2243.00 | 832.70 | 839.79 |
| Hock | 35827.39 | Q250 | 2364.00 | 832.70 | 839.85 |
| Hock | 35827.39 | Q500 | 2824.00 | 832.70 | 840.07 |
| Hock | 35569.52 | Q005 | 361.00 | 832.20 | 836.80 |
| Hock | 35569.52 | Q010 | 595.00 | 832.20 | 837.79 |
| Hock | 35569.52 | Q025 | 1046.00 | 832.20 | 838.44 |
| Hock | 35569.52 | Q050 | 1426.00 | 832.20 | 838.79 |
| Hock | 35569.52 | Q100 | 1832.00 | 832.20 | 839.03 |

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|------|----------|------|---------|--------|--------|
| Hock | 35569.52 | Q200 | 2243.00 | 832.20 | 839.25 |
| Hock | 35569.52 | Q250 | 2364.00 | 832.20 | 839.31 |
| Hock | 35569.52 | Q500 | 2824.00 | 832.20 | 839.52 |
| Hock | 35309.28 | Q005 | 361.00 | 831.60 | 836.40 |
| Hock | 35309.28 | Q010 | 595.00 | 831.60 | 837.25 |
| Hock | 35309.28 | Q025 | 1046.00 | 831.60 | 837.84 |
| Hock | 35309.28 | Q050 | 1426.00 | 831.60 | 838.41 |
| Hock | 35309.28 | Q100 | 1832.00 | 831.60 | 838.59 |
| Hock | 35309.28 | Q200 | 2243.00 | 831.60 | 838.79 |
| Hock | 35309.28 | Q250 | 2364.00 | 831.60 | 838.84 |
| Hock | 35309.28 | Q500 | 2824.00 | 831.60 | 839.04 |
| Hock | 35059.51 | Q005 | 361.00 | 831.10 | 835.90 |
| Hock | 35059.51 | Q010 | 595.00 | 831.10 | 836.93 |
| Hock | 35059.51 | Q025 | 1046.00 | 831.10 | 837.62 |
| Hock | 35059.51 | Q050 | 1426.00 | 831.10 | 838.29 |
| Hock | 35059.51 | Q100 | 1832.00 | 831.10 | 838.44 |
| Hock | 35059.51 | Q200 | 2243.00 | 831.10 | 838.61 |
| Hock | 35059.51 | Q250 | 2364.00 | 831.10 | 838.66 |
| Hock | 35059.51 | Q500 | 2824.00 | 831.10 | 838.84 |
| Hock | 34794.94 | Q005 | 361.00 | 830.50 | 834.86 |
| Hock | 34794.94 | Q010 | 595.00 | 830.50 | 835.57 |
| Hock | 34794.94 | Q025 | 1046.00 | 830.50 | 837.42 |

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|------|----------|------|---------|--------|--------|
| Hock | 34794.94 | Q050 | 1426.00 | 830.50 | 838.18 |
| Hock | 34794.94 | Q100 | 1832.00 | 830.50 | 838.30 |
| Hock | 34794.94 | Q200 | 2243.00 | 830.50 | 838.44 |
| Hock | 34794.94 | Q250 | 2364.00 | 830.50 | 838.49 |
| Hock | 34794.94 | Q500 | 2824.00 | 830.50 | 838.64 |
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| Hock | 34743.78 | Q005 | 361.00 | 830.50 | 834.71 |
| Hock | 34743.78 | Q010 | 595.00 | 830.50 | 835.37 |
| Hock | 34743.78 | Q025 | 1046.00 | 830.50 | 837.39 |
| Hock | 34743.78 | Q050 | 1426.00 | 830.50 | 838.17 |
| Hock | 34743.78 | Q100 | 1832.00 | 830.50 | 838.28 |
| Hock | 34743.78 | Q200 | 2243.00 | 830.50 | 838.42 |
| Hock | 34743.78 | Q250 | 2364.00 | 830.50 | 838.46 |
| Hock | 34743.78 | Q500 | 2824.00 | 830.50 | 838.62 |
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| Hock | 34730 | | Bridge | | |
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| Hock | 34682.76 | Q005 | 361.00 | 830.50 | 834.37 |
| Hock | 34682.76 | Q010 | 595.00 | 830.50 | 834.88 |
| Hock | 34682.76 | Q025 | 1046.00 | 830.50 | 835.41 |
| Hock | 34682.76 | Q050 | 1426.00 | 830.50 | 835.67 |
| Hock | 34682.76 | Q100 | 1832.00 | 830.50 | 835.96 |
| Hock | 34682.76 | Q200 | 2243.00 | 830.50 | 836.05 |
| Hock | 34682.76 | Q250 | 2364.00 | 830.50 | 836.30 |
| Hock | 34682.76 | Q500 | 2824.00 | 830.50 | 837.12 |

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|------|----------|------|---------|--------|--------|
| Hock | 34655.37 | Q005 | 361.00 | 829.00 | 834.10 |
| Hock | 34655.37 | Q010 | 595.00 | 829.00 | 834.81 |
| Hock | 34655.37 | Q025 | 1046.00 | 829.00 | 835.31 |
| Hock | 34655.37 | Q050 | 1426.00 | 829.00 | 835.53 |
| Hock | 34655.37 | Q100 | 1832.00 | 829.00 | 835.75 |
| Hock | 34655.37 | Q200 | 2243.00 | 829.00 | 835.87 |
| Hock | 34655.37 | Q250 | 2364.00 | 829.00 | 835.99 |
| Hock | 34655.37 | Q500 | 2824.00 | 829.00 | 837.10 |
| Hock | 34408.34 | Q005 | 361.00 | 829.10 | 833.46 |
| Hock | 34408.34 | Q010 | 595.00 | 829.10 | 833.98 |
| Hock | 34408.34 | Q025 | 1046.00 | 829.10 | 834.37 |
| Hock | 34408.34 | Q050 | 1426.00 | 829.10 | 834.60 |
| Hock | 34408.34 | Q100 | 1832.00 | 829.10 | 834.81 |
| Hock | 34408.34 | Q200 | 2243.00 | 829.10 | 835.39 |
| Hock | 34408.34 | Q250 | 2364.00 | 829.10 | 835.69 |
| Hock | 34408.34 | Q500 | 2824.00 | 829.10 | 837.02 |
| Hock | 34111.18 | Q005 | 361.00 | 829.20 | 832.90 |
| Hock | 34111.18 | Q010 | 595.00 | 829.20 | 833.24 |
| Hock | 34111.18 | Q025 | 1046.00 | 829.20 | 833.62 |
| Hock | 34111.18 | Q050 | 1426.00 | 829.20 | 833.87 |
| Hock | 34111.18 | Q100 | 1832.00 | 829.20 | 834.32 |
| Hock | 34111.18 | Q200 | 2243.00 | 829.20 | 835.22 |

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|------|----------|------|---------|--------|--------|
| Hock | 34111.18 | Q250 | 2364.00 | 829.20 | 835.58 |
| Hock | 34111.18 | Q500 | 2824.00 | 829.20 | 836.98 |
| Hock | 33870.56 | Q005 | 361.00 | 829.00 | 832.49 |
| Hock | 33870.56 | Q010 | 595.00 | 829.00 | 832.82 |
| Hock | 33870.56 | Q025 | 1046.00 | 829.00 | 833.14 |
| Hock | 33870.56 | Q050 | 1426.00 | 829.00 | 833.38 |
| Hock | 33870.56 | Q100 | 1832.00 | 829.00 | 834.08 |
| Hock | 33870.56 | Q200 | 2243.00 | 829.00 | 835.15 |
| Hock | 33870.56 | Q250 | 2364.00 | 829.00 | 835.52 |
| Hock | 33870.56 | Q500 | 2824.00 | 829.00 | 836.96 |
| Hock | 33626.12 | Q005 | 361.00 | 828.70 | 831.78 |
| Hock | 33626.12 | Q010 | 595.00 | 828.70 | 832.09 |
| Hock | 33626.12 | Q025 | 1046.00 | 828.70 | 832.50 |
| Hock | 33626.12 | Q050 | 1426.00 | 828.70 | 832.95 |
| Hock | 33626.12 | Q100 | 1832.00 | 828.70 | 833.95 |
| Hock | 33626.12 | Q200 | 2243.00 | 828.70 | 835.10 |
| Hock | 33626.12 | Q250 | 2364.00 | 828.70 | 835.48 |
| Hock | 33626.12 | Q500 | 2824.00 | 828.70 | 836.94 |
| Hock | 33423.89 | Q005 | 361.00 | 828.50 | 831.33 |
| Hock | 33423.89 | Q010 | 595.00 | 828.50 | 831.60 |
| Hock | 33423.89 | Q025 | 1046.00 | 828.50 | 831.85 |
| Hock | 33423.89 | Q050 | 1426.00 | 828.50 | 832.70 |

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|------|----------|------|---------|--------|--------|
| Hock | 33423.89 | Q100 | 1832.00 | 828.50 | 833.87 |
| Hock | 33423.89 | Q200 | 2243.00 | 828.50 | 835.07 |
| Hock | 33423.89 | Q250 | 2364.00 | 828.50 | 835.46 |
| Hock | 33423.89 | Q500 | 2824.00 | 828.50 | 836.94 |
| Hock | 33176.69 | Q005 | 361.00 | 828.40 | 830.35 |
| Hock | 33176.69 | Q010 | 595.00 | 828.40 | 830.50 |
| Hock | 33176.69 | Q025 | 1046.00 | 828.40 | 831.40 |
| Hock | 33176.69 | Q050 | 1426.00 | 828.40 | 832.57 |
| Hock | 33176.69 | Q100 | 1832.00 | 828.40 | 833.82 |
| Hock | 33176.69 | Q200 | 2243.00 | 828.40 | 835.04 |
| Hock | 33176.69 | Q250 | 2364.00 | 828.40 | 835.43 |
| Hock | 33176.69 | Q500 | 2824.00 | 828.40 | 836.93 |
| Hock | 32922.79 | Q005 | 361.00 | 827.40 | 829.33 |
| Hock | 32922.79 | Q010 | 595.00 | 827.40 | 829.90 |
| Hock | 32922.79 | Q025 | 1046.00 | 827.40 | 831.27 |
| Hock | 32922.79 | Q050 | 1426.00 | 827.40 | 832.52 |
| Hock | 32922.79 | Q100 | 1832.00 | 827.40 | 833.79 |
| Hock | 32922.79 | Q200 | 2243.00 | 827.40 | 835.02 |
| Hock | 32922.79 | Q250 | 2364.00 | 827.40 | 835.42 |
| Hock | 32922.79 | Q500 | 2824.00 | 827.40 | 836.93 |
| Hock | 32694.29 | Q005 | 361.00 | 826.70 | 828.71 |
| Hock | 32694.29 | Q010 | 595.00 | 826.70 | 829.72 |

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|------|----------|------|---------|--------|--------|
| Hock | 32694.29 | Q025 | 1046.00 | 826.70 | 831.22 |
| Hock | 32694.29 | Q050 | 1426.00 | 826.70 | 832.49 |
| Hock | 32694.29 | Q100 | 1832.00 | 826.70 | 833.77 |
| Hock | 32694.29 | Q200 | 2243.00 | 826.70 | 835.02 |
| Hock | 32694.29 | Q250 | 2364.00 | 826.70 | 835.42 |
| Hock | 32694.29 | Q500 | 2824.00 | 826.70 | 836.93 |
| | | | | | |
| Hock | 32390.01 | Q005 | 361.00 | 825.70 | 828.57 |
| Hock | 32390.01 | Q010 | 595.00 | 825.70 | 829.65 |
| Hock | 32390.01 | Q025 | 1046.00 | 825.70 | 831.16 |
| Hock | 32390.01 | Q050 | 1426.00 | 825.70 | 832.45 |
| Hock | 32390.01 | Q100 | 1832.00 | 825.70 | 833.73 |
| Hock | 32390.01 | Q200 | 2243.00 | 825.70 | 835.02 |
| Hock | 32390.01 | Q250 | 2364.00 | 825.70 | 835.42 |
| Hock | 32390.01 | Q500 | 2824.00 | 825.70 | 836.93 |
| | | | | | |
| Hock | 32314.72 | Q005 | 361.00 | 825.60 | 828.31 |
| Hock | 32314.72 | Q010 | 595.00 | 825.60 | 829.40 |
| Hock | 32314.72 | Q025 | 1046.00 | 825.60 | 830.88 |
| Hock | 32314.72 | Q050 | 1426.00 | 825.60 | 832.17 |
| Hock | 32314.72 | Q100 | 1832.00 | 825.60 | 833.47 |
| Hock | 32314.72 | Q200 | 2243.00 | 825.60 | 835.01 |
| Hock | 32314.72 | Q250 | 2364.00 | 825.60 | 835.41 |
| Hock | 32314.72 | Q500 | 2824.00 | 825.60 | 836.93 |

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|------|----------|------|-----------|--------|--------|
| Hock | 32303 | | Mult Open | | |
| Hock | 32169.77 | Q005 | 361.00 | 825.20 | 827.79 |
| Hock | 32169.77 | Q010 | 595.00 | 825.20 | 828.63 |
| Hock | 32169.77 | Q025 | 1046.00 | 825.20 | 829.55 |
| Hock | 32169.77 | Q050 | 1426.00 | 825.20 | 830.02 |
| Hock | 32169.77 | Q100 | 1832.00 | 825.20 | 830.43 |
| Hock | 32169.77 | Q200 | 2243.00 | 825.20 | 830.96 |
| Hock | 32169.77 | Q250 | 2364.00 | 825.20 | 831.05 |
| Hock | 32169.77 | Q500 | 2824.00 | 825.20 | 831.35 |
| Hock | 32072.19 | Q005 | 361.00 | 824.50 | 827.71 |
| Hock | 32072.19 | Q010 | 595.00 | 824.50 | 828.57 |
| Hock | 32072.19 | Q025 | 1046.00 | 824.50 | 829.48 |
| Hock | 32072.19 | Q050 | 1426.00 | 824.50 | 829.95 |
| Hock | 32072.19 | Q100 | 1832.00 | 824.50 | 830.37 |
| Hock | 32072.19 | Q200 | 2243.00 | 824.50 | 830.95 |
| Hock | 32072.19 | Q250 | 2364.00 | 824.50 | 831.04 |
| Hock | 32072.19 | Q500 | 2824.00 | 824.50 | 831.37 |
| Hock | 31984.15 | Q005 | 361.00 | 824.10 | 827.59 |
| Hock | 31984.15 | Q010 | 595.00 | 824.10 | 828.42 |
| Hock | 31984.15 | Q025 | 1046.00 | 824.10 | 829.24 |
| Hock | 31984.15 | Q050 | 1426.00 | 824.10 | 829.61 |
| Hock | 31984.15 | Q100 | 1832.00 | 824.10 | 829.91 |

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|------|----------|------|---------|--------|--------|
| Hock | 31984.15 | Q200 | 2243.00 | 824.10 | 830.12 |
| Hock | 31984.15 | Q250 | 2364.00 | 824.10 | 830.20 |
| Hock | 31984.15 | Q500 | 2824.00 | 824.10 | 830.44 |
| Hock | 31661.17 | Q005 | 361.00 | 824.00 | 826.94 |
| Hock | 31661.17 | Q010 | 595.00 | 824.00 | 827.78 |
| Hock | 31661.17 | Q025 | 1046.00 | 824.00 | 828.82 |
| Hock | 31661.17 | Q050 | 1426.00 | 824.00 | 829.20 |
| Hock | 31661.17 | Q100 | 1832.00 | 824.00 | 829.49 |
| Hock | 31661.17 | Q200 | 2243.00 | 824.00 | 829.77 |
| Hock | 31661.17 | Q250 | 2364.00 | 824.00 | 829.85 |
| Hock | 31661.17 | Q500 | 2824.00 | 824.00 | 830.11 |
| Hock | 31423.42 | Q005 | 361.00 | 823.40 | 826.34 |
| Hock | 31423.42 | Q010 | 595.00 | 823.40 | 827.21 |
| Hock | 31423.42 | Q025 | 1046.00 | 823.40 | 828.46 |
| Hock | 31423.42 | Q050 | 1426.00 | 823.40 | 828.91 |
| Hock | 31423.42 | Q100 | 1832.00 | 823.40 | 829.19 |
| Hock | 31423.42 | Q200 | 2243.00 | 823.40 | 829.48 |
| Hock | 31423.42 | Q250 | 2364.00 | 823.40 | 829.57 |
| Hock | 31423.42 | Q500 | 2824.00 | 823.40 | 829.83 |
| Hock | 31176.68 | Q005 | 361.00 | 822.80 | 825.81 |
| Hock | 31176.68 | Q010 | 595.00 | 822.80 | 826.72 |
| Hock | 31176.68 | Q025 | 1046.00 | 822.80 | 827.98 |

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|------|----------|------|---------|--------|--------|
| Hock | 31176.68 | Q050 | 1426.00 | 822.80 | 828.53 |
| Hock | 31176.68 | Q100 | 1832.00 | 822.80 | 828.83 |
| Hock | 31176.68 | Q200 | 2243.00 | 822.80 | 829.17 |
| Hock | 31176.68 | Q250 | 2364.00 | 822.80 | 829.28 |
| Hock | 31176.68 | Q500 | 2824.00 | 822.80 | 829.53 |
| Hock | 30920.51 | Q005 | 361.00 | 822.20 | 825.33 |
| Hock | 30920.51 | Q010 | 595.00 | 822.20 | 826.30 |
| Hock | 30920.51 | Q025 | 1046.00 | 822.20 | 827.63 |
| Hock | 30920.51 | Q050 | 1426.00 | 822.20 | 828.11 |
| Hock | 30920.51 | Q100 | 1832.00 | 822.20 | 828.50 |
| Hock | 30920.51 | Q200 | 2243.00 | 822.20 | 828.94 |
| Hock | 30920.51 | Q250 | 2364.00 | 822.20 | 829.07 |
| Hock | 30920.51 | Q500 | 2824.00 | 822.20 | 829.34 |
| Hock | 30663.72 | Q005 | 361.00 | 821.50 | 824.70 |
| Hock | 30663.72 | Q010 | 595.00 | 821.50 | 825.74 |
| Hock | 30663.72 | Q025 | 1046.00 | 821.50 | 827.07 |
| Hock | 30663.72 | Q050 | 1426.00 | 821.50 | 827.76 |
| Hock | 30663.72 | Q100 | 1832.00 | 821.50 | 828.24 |
| Hock | 30663.72 | Q200 | 2243.00 | 821.50 | 828.77 |
| Hock | 30663.72 | Q250 | 2364.00 | 821.50 | 828.92 |
| Hock | 30663.72 | Q500 | 2824.00 | 821.50 | 829.19 |
| Hock | 30418.96 | Q005 | 361.00 | 820.90 | 824.11 |

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|------|----------|------|---------|--------|--------|
| Hock | 30418.96 | Q010 | 595.00 | 820.90 | 825.24 |
| Hock | 30418.96 | Q025 | 1046.00 | 820.90 | 826.72 |
| Hock | 30418.96 | Q050 | 1426.00 | 820.90 | 827.59 |
| Hock | 30418.96 | Q100 | 1832.00 | 820.90 | 828.07 |
| Hock | 30418.96 | Q200 | 2243.00 | 820.90 | 828.65 |
| Hock | 30418.96 | Q250 | 2364.00 | 820.90 | 828.81 |
| Hock | 30418.96 | Q500 | 2824.00 | 820.90 | 829.07 |
| Hock | 30196.84 | Q005 | 361.00 | 820.50 | 823.71 |
| Hock | 30196.84 | Q010 | 595.00 | 820.50 | 824.92 |
| Hock | 30196.84 | Q025 | 1046.00 | 820.50 | 826.40 |
| Hock | 30196.84 | Q050 | 1426.00 | 820.50 | 827.29 |
| Hock | 30196.84 | Q100 | 1832.00 | 820.50 | 827.74 |
| Hock | 30196.84 | Q200 | 2243.00 | 820.50 | 828.26 |
| Hock | 30196.84 | Q250 | 2364.00 | 820.50 | 828.46 |
| Hock | 30196.84 | Q500 | 2824.00 | 820.50 | 828.67 |
| Hock | 29959.60 | Q005 | 361.00 | 820.10 | 823.30 |
| Hock | 29959.60 | Q010 | 595.00 | 820.10 | 824.62 |
| Hock | 29959.60 | Q025 | 1046.00 | 820.10 | 826.04 |
| Hock | 29959.60 | Q050 | 1426.00 | 820.10 | 826.97 |
| Hock | 29959.60 | Q100 | 1832.00 | 820.10 | 827.45 |
| Hock | 29959.60 | Q200 | 2243.00 | 820.10 | 828.00 |
| Hock | 29959.60 | Q250 | 2364.00 | 820.10 | 828.19 |
| Hock | 29959.60 | Q500 | 2824.00 | 820.10 | 828.42 |

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|------|----------|------|---------|--------|--------|
| Hock | 29773.90 | Q005 | 361.00 | 819.80 | 823.06 |
| Hock | 29773.90 | Q010 | 595.00 | 819.80 | 824.44 |
| Hock | 29773.90 | Q025 | 1046.00 | 819.80 | 825.86 |
| Hock | 29773.90 | Q050 | 1426.00 | 819.80 | 826.80 |
| Hock | 29773.90 | Q100 | 1832.00 | 819.80 | 827.32 |
| Hock | 29773.90 | Q200 | 2243.00 | 819.80 | 827.93 |
| Hock | 29773.90 | Q250 | 2364.00 | 819.80 | 828.13 |
| Hock | 29773.90 | Q500 | 2824.00 | 819.80 | 828.34 |
| Hock | 29476.88 | Q005 | 361.00 | 819.10 | 822.78 |
| Hock | 29476.88 | Q010 | 595.00 | 819.10 | 824.24 |
| Hock | 29476.88 | Q025 | 1046.00 | 819.10 | 825.62 |
| Hock | 29476.88 | Q050 | 1426.00 | 819.10 | 826.48 |
| Hock | 29476.88 | Q100 | 1832.00 | 819.10 | 827.12 |
| Hock | 29476.88 | Q200 | 2243.00 | 819.10 | 827.80 |
| Hock | 29476.88 | Q250 | 2364.00 | 819.10 | 828.01 |
| Hock | 29476.88 | Q500 | 2824.00 | 819.10 | 828.21 |
| Hock | 29161.79 | Q005 | 361.00 | 818.40 | 822.56 |
| Hock | 29161.79 | Q010 | 595.00 | 818.40 | 824.07 |
| Hock | 29161.79 | Q025 | 1046.00 | 818.40 | 825.45 |
| Hock | 29161.79 | Q050 | 1426.00 | 818.40 | 826.29 |
| Hock | 29161.79 | Q100 | 1832.00 | 818.40 | 826.98 |
| Hock | 29161.79 | Q200 | 2243.00 | 818.40 | 827.70 |

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|------|----------|------|---------|--------|--------|
| Hock | 29161.79 | Q250 | 2364.00 | 818.40 | 827.92 |
| Hock | 29161.79 | Q500 | 2824.00 | 818.40 | 828.18 |
| Hock | 29009.42 | Q005 | 361.00 | 818.10 | 822.46 |
| Hock | 29009.42 | Q010 | 595.00 | 818.10 | 823.99 |
| Hock | 29009.42 | Q025 | 1046.00 | 818.10 | 825.38 |
| Hock | 29009.42 | Q050 | 1426.00 | 818.10 | 826.22 |
| Hock | 29009.42 | Q100 | 1832.00 | 818.10 | 826.93 |
| Hock | 29009.42 | Q200 | 2243.00 | 818.10 | 827.67 |
| Hock | 29009.42 | Q250 | 2364.00 | 818.10 | 827.89 |
| Hock | 29009.42 | Q500 | 2824.00 | 818.10 | 828.17 |
| Hock | 28808.57 | Q005 | 361.00 | 817.80 | 822.35 |
| Hock | 28808.57 | Q010 | 595.00 | 817.80 | 823.90 |
| Hock | 28808.57 | Q025 | 1046.00 | 817.80 | 825.29 |
| Hock | 28808.57 | Q050 | 1426.00 | 817.80 | 826.17 |
| Hock | 28808.57 | Q100 | 1832.00 | 817.80 | 826.88 |
| Hock | 28808.57 | Q200 | 2243.00 | 817.80 | 827.62 |
| Hock | 28808.57 | Q250 | 2364.00 | 817.80 | 827.85 |
| Hock | 28808.57 | Q500 | 2824.00 | 817.80 | 828.17 |
| Hock | 28499.29 | Q005 | 361.00 | 816.50 | 822.27 |
| Hock | 28499.29 | Q010 | 595.00 | 816.50 | 823.82 |
| Hock | 28499.29 | Q025 | 1046.00 | 816.50 | 825.20 |
| Hock | 28499.29 | Q050 | 1426.00 | 816.50 | 826.10 |

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|------|----------|------|---------|--------|--------|
| Hock | 28499.29 | Q100 | 1832.00 | 816.50 | 826.83 |
| Hock | 28499.29 | Q200 | 2243.00 | 816.50 | 827.57 |
| Hock | 28499.29 | Q250 | 2364.00 | 816.50 | 827.80 |
| Hock | 28499.29 | Q500 | 2824.00 | 816.50 | 828.16 |
| Hock | 28220.89 | Q005 | 361.00 | 815.30 | 822.22 |
| Hock | 28220.89 | Q010 | 595.00 | 815.30 | 823.77 |
| Hock | 28220.89 | Q025 | 1046.00 | 815.30 | 825.13 |
| Hock | 28220.89 | Q050 | 1426.00 | 815.30 | 826.04 |
| Hock | 28220.89 | Q100 | 1832.00 | 815.30 | 826.78 |
| Hock | 28220.89 | Q200 | 2243.00 | 815.30 | 827.53 |
| Hock | 28220.89 | Q250 | 2364.00 | 815.30 | 827.76 |
| Hock | 28220.89 | Q500 | 2824.00 | 815.30 | 828.15 |
| Hock | 27968.04 | Q005 | 918.00 | 815.70 | 822.02 |
| Hock | 27968.04 | Q010 | 1530.00 | 815.70 | 823.50 |
| Hock | 27968.04 | Q025 | 2523.00 | 815.70 | 824.85 |
| Hock | 27968.04 | Q050 | 3343.00 | 815.70 | 825.74 |
| Hock | 27968.04 | Q100 | 4217.00 | 815.70 | 826.46 |
| Hock | 27968.04 | Q200 | 5105.00 | 815.70 | 827.23 |
| Hock | 27968.04 | Q250 | 5380.00 | 815.70 | 827.46 |
| Hock | 27968.04 | Q500 | 6366.00 | 815.70 | 828.13 |
| Hock | 27698.43 | Q005 | 918.00 | 815.70 | 821.73 |
| Hock | 27698.43 | Q010 | 1530.00 | 815.70 | 823.33 |

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|------|----------|------|---------|--------|--------|
| Hock | 27698.43 | Q025 | 2523.00 | 815.70 | 824.72 |
| Hock | 27698.43 | Q050 | 3343.00 | 815.70 | 825.65 |
| Hock | 27698.43 | Q100 | 4217.00 | 815.70 | 826.37 |
| Hock | 27698.43 | Q200 | 5105.00 | 815.70 | 827.15 |
| Hock | 27698.43 | Q250 | 5380.00 | 815.70 | 827.38 |
| Hock | 27698.43 | Q500 | 6366.00 | 815.70 | 828.12 |
| Hock | 27511.06 | Q005 | 918.00 | 815.70 | 821.45 |
| Hock | 27511.06 | Q010 | 1530.00 | 815.70 | 823.14 |
| Hock | 27511.06 | Q025 | 2523.00 | 815.70 | 824.60 |
| Hock | 27511.06 | Q050 | 3343.00 | 815.70 | 825.56 |
| Hock | 27511.06 | Q100 | 4217.00 | 815.70 | 826.29 |
| Hock | 27511.06 | Q200 | 5105.00 | 815.70 | 827.08 |
| Hock | 27511.06 | Q250 | 5380.00 | 815.70 | 827.32 |
| Hock | 27511.06 | Q500 | 6366.00 | 815.70 | 828.12 |
| Hock | 27232.74 | Q005 | 918.00 | 815.20 | 821.10 |
| Hock | 27232.74 | Q010 | 1530.00 | 815.20 | 822.94 |
| Hock | 27232.74 | Q025 | 2523.00 | 815.20 | 824.48 |
| Hock | 27232.74 | Q050 | 3343.00 | 815.20 | 825.46 |
| Hock | 27232.74 | Q100 | 4217.00 | 815.20 | 826.19 |
| Hock | 27232.74 | Q200 | 5105.00 | 815.20 | 826.99 |
| Hock | 27232.74 | Q250 | 5380.00 | 815.20 | 827.23 |
| Hock | 27232.74 | Q500 | 6366.00 | 815.20 | 828.11 |

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|------|----------|------|---------|--------|--------|
| Hock | 26908.10 | Q005 | 918.00 | 814.60 | 820.83 |
| Hock | 26908.10 | Q010 | 1530.00 | 814.60 | 822.74 |
| Hock | 26908.10 | Q025 | 2523.00 | 814.60 | 824.36 |
| Hock | 26908.10 | Q050 | 3343.00 | 814.60 | 825.36 |
| Hock | 26908.10 | Q100 | 4217.00 | 814.60 | 826.08 |
| Hock | 26908.10 | Q200 | 5105.00 | 814.60 | 826.89 |
| Hock | 26908.10 | Q250 | 5380.00 | 814.60 | 827.14 |
| Hock | 26908.10 | Q500 | 6366.00 | 814.60 | 828.10 |
| Hock | 26661.38 | Q005 | 918.00 | 814.40 | 820.52 |
| Hock | 26661.38 | Q010 | 1530.00 | 814.40 | 822.39 |
| Hock | 26661.38 | Q025 | 2523.00 | 814.40 | 824.13 |
| Hock | 26661.38 | Q050 | 3343.00 | 814.40 | 825.17 |
| Hock | 26661.38 | Q100 | 4217.00 | 814.40 | 825.89 |
| Hock | 26661.38 | Q200 | 5105.00 | 814.40 | 826.72 |
| Hock | 26661.38 | Q250 | 5380.00 | 814.40 | 826.96 |
| Hock | 26661.38 | Q500 | 6366.00 | 814.40 | 828.10 |
| Hock | 26428.87 | Q005 | 918.00 | 814.20 | 820.26 |
| Hock | 26428.87 | Q010 | 1530.00 | 814.20 | 822.11 |
| Hock | 26428.87 | Q025 | 2523.00 | 814.20 | 823.92 |
| Hock | 26428.87 | Q050 | 3343.00 | 814.20 | 824.99 |
| Hock | 26428.87 | Q100 | 4217.00 | 814.20 | 825.71 |
| Hock | 26428.87 | Q200 | 5105.00 | 814.20 | 826.55 |
| Hock | 26428.87 | Q250 | 5380.00 | 814.20 | 826.80 |

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|------|----------|------|---------|--------|--------|
| Hock | 26428.87 | Q500 | 6366.00 | 814.20 | 828.09 |
| Hock | 26260.22 | Q005 | 918.00 | 814.10 | 820.01 |
| Hock | 26260.22 | Q010 | 1530.00 | 814.10 | 821.85 |
| Hock | 26260.22 | Q025 | 2523.00 | 814.10 | 823.72 |
| Hock | 26260.22 | Q050 | 3343.00 | 814.10 | 824.84 |
| Hock | 26260.22 | Q100 | 4217.00 | 814.10 | 825.55 |
| Hock | 26260.22 | Q200 | 5105.00 | 814.10 | 826.40 |
| Hock | 26260.22 | Q250 | 5380.00 | 814.10 | 826.65 |
| Hock | 26260.22 | Q500 | 6366.00 | 814.10 | 827.86 |
| Hock | 26012.24 | Q005 | 918.00 | 813.60 | 819.74 |
| Hock | 26012.24 | Q010 | 1530.00 | 813.60 | 821.59 |
| Hock | 26012.24 | Q025 | 2523.00 | 813.60 | 823.45 |
| Hock | 26012.24 | Q050 | 3343.00 | 813.60 | 824.59 |
| Hock | 26012.24 | Q100 | 4217.00 | 813.60 | 825.29 |
| Hock | 26012.24 | Q200 | 5105.00 | 813.60 | 826.15 |
| Hock | 26012.24 | Q250 | 5380.00 | 813.60 | 826.42 |
| Hock | 26012.24 | Q500 | 6366.00 | 813.60 | 827.68 |
| Hock | 25760.22 | Q005 | 918.00 | 813.20 | 819.51 |
| Hock | 25760.22 | Q010 | 1530.00 | 813.20 | 821.41 |
| Hock | 25760.22 | Q025 | 2523.00 | 813.20 | 823.25 |
| Hock | 25760.22 | Q050 | 3343.00 | 813.20 | 824.42 |
| Hock | 25760.22 | Q100 | 4217.00 | 813.20 | 825.10 |

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| Hock | 25760.22 | Q200 | 5105.00 | 813.20 | 825.97 |
| Hock | 25760.22 | Q250 | 5380.00 | 813.20 | 826.24 |
| Hock | 25760.22 | Q500 | 6366.00 | 813.20 | 827.53 |
| Hock | 25505.25 | Q005 | 918.00 | 812.70 | 819.35 |
| Hock | 25505.25 | Q010 | 1530.00 | 812.70 | 821.27 |
| Hock | 25505.25 | Q025 | 2523.00 | 812.70 | 823.17 |
| Hock | 25505.25 | Q050 | 3343.00 | 812.70 | 824.33 |
| Hock | 25505.25 | Q100 | 4217.00 | 812.70 | 824.99 |
| Hock | 25505.25 | Q200 | 5105.00 | 812.70 | 825.85 |
| Hock | 25505.25 | Q250 | 5380.00 | 812.70 | 826.11 |
| Hock | 25505.25 | Q500 | 6366.00 | 812.70 | 827.57 |
| Hock | 25444.19 | Q005 | 918.00 | 812.60 | 819.33 |
| Hock | 25444.19 | Q010 | 1530.00 | 812.60 | 821.23 |
| Hock | 25444.19 | Q025 | 2523.00 | 812.60 | 823.04 |
| Hock | 25444.19 | Q050 | 3343.00 | 812.60 | 824.17 |
| Hock | 25444.19 | Q100 | 4217.00 | 812.60 | 824.75 |
| Hock | 25444.19 | Q200 | 5105.00 | 812.60 | 825.56 |
| Hock | 25444.19 | Q250 | 5380.00 | 812.60 | 825.81 |
| Hock | 25444.19 | Q500 | 6366.00 | 812.60 | 827.48 |
| Hock | 25426 | | Mult Open | | |
| Hock | 25374.75 | Q005 | 918.00 | 812.60 | 819.31 |

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|------|----------|------|---------|--------|--------|
| Hock | 25374.75 | Q010 | 1530.00 | 812.60 | 821.22 |
| Hock | 25374.75 | Q025 | 2523.00 | 812.60 | 822.99 |
| Hock | 25374.75 | Q050 | 3343.00 | 812.60 | 824.08 |
| Hock | 25374.75 | Q100 | 4217.00 | 812.60 | 824.60 |
| Hock | 25374.75 | Q200 | 5105.00 | 812.60 | 825.35 |
| Hock | 25374.75 | Q250 | 5380.00 | 812.60 | 825.58 |
| Hock | 25374.75 | Q500 | 6366.00 | 812.60 | 826.76 |
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| Hock | 25264.53 | Q005 | 918.00 | 812.00 | 819.18 |
| Hock | 25264.53 | Q010 | 1530.00 | 812.00 | 821.06 |
| Hock | 25264.53 | Q025 | 2523.00 | 812.00 | 822.91 |
| Hock | 25264.53 | Q050 | 3343.00 | 812.00 | 824.04 |
| Hock | 25264.53 | Q100 | 4217.00 | 812.00 | 824.57 |
| Hock | 25264.53 | Q200 | 5105.00 | 812.00 | 825.53 |
| Hock | 25264.53 | Q250 | 5380.00 | 812.00 | 825.77 |
| Hock | 25264.53 | Q500 | 6366.00 | 812.00 | 826.77 |
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| Hock | 25003.90 | Q005 | 918.00 | 811.90 | 819.03 |
| Hock | 25003.90 | Q010 | 1530.00 | 811.90 | 820.88 |
| Hock | 25003.90 | Q025 | 2523.00 | 811.90 | 822.79 |
| Hock | 25003.90 | Q050 | 3343.00 | 811.90 | 824.07 |
| Hock | 25003.90 | Q100 | 4217.00 | 811.90 | 824.63 |
| Hock | 25003.90 | Q200 | 5105.00 | 811.90 | 825.47 |
| Hock | 25003.90 | Q250 | 5380.00 | 811.90 | 825.72 |
| Hock | 25003.90 | Q500 | 6366.00 | 811.90 | 826.73 |

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| Hock | 24746.38 | Q005 | 918.00 | 811.90 | 818.82 |
| Hock | 24746.38 | Q010 | 1517.00 | 811.90 | 820.62 |
| Hock | 24746.38 | Q025 | 2508.00 | 811.90 | 822.51 |
| Hock | 24746.38 | Q050 | 3336.00 | 811.90 | 823.78 |
| Hock | 24746.38 | Q100 | 4219.00 | 811.90 | 824.54 |
| Hock | 24746.38 | Q200 | 5123.00 | 811.90 | 825.39 |
| Hock | 24746.38 | Q250 | 5399.00 | 811.90 | 825.64 |
| Hock | 24746.38 | Q500 | 6408.00 | 811.90 | 826.66 |
| Hock | 24493.74 | Q005 | 918.00 | 812.00 | 818.64 |
| Hock | 24493.74 | Q010 | 1517.00 | 812.00 | 820.43 |
| Hock | 24493.74 | Q025 | 2508.00 | 812.00 | 822.29 |
| Hock | 24493.74 | Q050 | 3336.00 | 812.00 | 823.56 |
| Hock | 24493.74 | Q100 | 4219.00 | 812.00 | 824.44 |
| Hock | 24493.74 | Q200 | 5123.00 | 812.00 | 825.31 |
| Hock | 24493.74 | Q250 | 5399.00 | 812.00 | 825.56 |
| Hock | 24493.74 | Q500 | 6408.00 | 812.00 | 826.59 |
| Hock | 24239.34 | Q005 | 918.00 | 812.10 | 818.44 |
| Hock | 24239.34 | Q010 | 1517.00 | 812.10 | 820.23 |
| Hock | 24239.34 | Q025 | 2508.00 | 812.10 | 822.18 |
| Hock | 24239.34 | Q050 | 3336.00 | 812.10 | 823.49 |
| Hock | 24239.34 | Q100 | 4219.00 | 812.10 | 824.33 |
| Hock | 24239.34 | Q200 | 5123.00 | 812.10 | 825.20 |

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|------|----------|------|---------|--------|--------|
| Hock | 24239.34 | Q250 | 5399.00 | 812.10 | 825.45 |
| Hock | 24239.34 | Q500 | 6408.00 | 812.10 | 826.48 |
| Hock | 23980.91 | Q005 | 918.00 | 812.20 | 818.05 |
| Hock | 23980.91 | Q010 | 1517.00 | 812.20 | 819.75 |
| Hock | 23980.91 | Q025 | 2508.00 | 812.20 | 821.92 |
| Hock | 23980.91 | Q050 | 3336.00 | 812.20 | 823.32 |
| Hock | 23980.91 | Q100 | 4219.00 | 812.20 | 824.14 |
| Hock | 23980.91 | Q200 | 5123.00 | 812.20 | 825.01 |
| Hock | 23980.91 | Q250 | 5399.00 | 812.20 | 825.26 |
| Hock | 23980.91 | Q500 | 6408.00 | 812.20 | 826.31 |
| Hock | 23691.60 | Q005 | 918.00 | 811.60 | 817.58 |
| Hock | 23691.60 | Q010 | 1517.00 | 811.60 | 819.17 |
| Hock | 23691.60 | Q025 | 2508.00 | 811.60 | 821.25 |
| Hock | 23691.60 | Q050 | 3336.00 | 811.60 | 822.83 |
| Hock | 23691.60 | Q100 | 4219.00 | 811.60 | 823.61 |
| Hock | 23691.60 | Q200 | 5123.00 | 811.60 | 824.48 |
| Hock | 23691.60 | Q250 | 5399.00 | 811.60 | 824.73 |
| Hock | 23691.60 | Q500 | 6408.00 | 811.60 | 825.83 |
| Hock | 23441.81 | Q005 | 918.00 | 811.00 | 817.07 |
| Hock | 23441.81 | Q010 | 1517.00 | 811.00 | 818.63 |
| Hock | 23441.81 | Q025 | 2508.00 | 811.00 | 820.82 |
| Hock | 23441.81 | Q050 | 3336.00 | 811.00 | 822.36 |

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|------|----------|------|---------|--------|--------|
| Hock | 23441.81 | Q100 | 4219.00 | 811.00 | 822.95 |
| Hock | 23441.81 | Q200 | 5123.00 | 811.00 | 823.70 |
| Hock | 23441.81 | Q250 | 5399.00 | 811.00 | 823.92 |
| Hock | 23441.81 | Q500 | 6408.00 | 811.00 | 824.99 |
| Hock | 23340.83 | Q005 | 918.00 | 811.70 | 816.63 |
| Hock | 23340.83 | Q010 | 1517.00 | 811.70 | 818.25 |
| Hock | 23340.83 | Q025 | 2508.00 | 811.70 | 820.49 |
| Hock | 23340.83 | Q050 | 3336.00 | 811.70 | 822.05 |
| Hock | 23340.83 | Q100 | 4219.00 | 811.70 | 822.51 |
| Hock | 23340.83 | Q200 | 5123.00 | 811.70 | 823.13 |
| Hock | 23340.83 | Q250 | 5399.00 | 811.70 | 823.30 |
| Hock | 23340.83 | Q500 | 6408.00 | 811.70 | 824.26 |
| Hock | 23324 | | Bridge | | |
| Hock | 23273.57 | Q005 | 918.00 | 811.70 | 816.06 |
| Hock | 23273.57 | Q010 | 1517.00 | 811.70 | 817.80 |
| Hock | 23273.57 | Q025 | 2508.00 | 811.70 | 820.12 |
| Hock | 23273.57 | Q050 | 3336.00 | 811.70 | 821.68 |
| Hock | 23273.57 | Q100 | 4219.00 | 811.70 | 821.85 |
| Hock | 23273.57 | Q200 | 5123.00 | 811.70 | 822.08 |
| Hock | 23273.57 | Q250 | 5399.00 | 811.70 | 822.09 |
| Hock | 23273.57 | Q500 | 6408.00 | 811.70 | 822.55 |

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|------|----------|------|---------|--------|--------|
| Hock | 23205.64 | Q005 | 918.00 | 811.40 | 816.03 |
| Hock | 23205.64 | Q010 | 1517.00 | 811.40 | 817.85 |
| Hock | 23205.64 | Q025 | 2508.00 | 811.40 | 820.24 |
| Hock | 23205.64 | Q050 | 3336.00 | 811.40 | 821.82 |
| Hock | 23205.64 | Q100 | 4219.00 | 811.40 | 822.37 |
| Hock | 23205.64 | Q200 | 5123.00 | 811.40 | 822.79 |
| Hock | 23205.64 | Q250 | 5399.00 | 811.40 | 822.84 |
| Hock | 23205.64 | Q500 | 6408.00 | 811.40 | 823.51 |
| Hock | 22959.50 | Q005 | 918.00 | 811.10 | 815.77 |
| Hock | 22959.50 | Q010 | 1517.00 | 811.10 | 817.77 |
| Hock | 22959.50 | Q025 | 2508.00 | 811.10 | 820.23 |
| Hock | 22959.50 | Q050 | 3336.00 | 811.10 | 821.81 |
| Hock | 22959.50 | Q100 | 4219.00 | 811.10 | 822.26 |
| Hock | 22959.50 | Q200 | 5123.00 | 811.10 | 822.64 |
| Hock | 22959.50 | Q250 | 5399.00 | 811.10 | 822.68 |
| Hock | 22959.50 | Q500 | 6408.00 | 811.10 | 823.30 |
| Hock | 22709.58 | Q005 | 918.00 | 810.90 | 815.76 |
| Hock | 22709.58 | Q010 | 1517.00 | 810.90 | 817.77 |
| Hock | 22709.58 | Q025 | 2508.00 | 810.90 | 820.22 |
| Hock | 22709.58 | Q050 | 3336.00 | 810.90 | 821.82 |
| Hock | 22709.58 | Q100 | 4219.00 | 810.90 | 822.29 |
| Hock | 22709.58 | Q200 | 5123.00 | 810.90 | 822.69 |
| Hock | 22709.58 | Q250 | 5399.00 | 810.90 | 822.73 |

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|------|----------|------|---------|--------|--------|
| Hock | 22709.58 | Q500 | 6408.00 | 810.90 | 823.38 |
| Hock | 22462.14 | Q005 | 918.00 | 810.60 | 815.72 |
| Hock | 22462.14 | Q010 | 1517.00 | 810.60 | 817.75 |
| Hock | 22462.14 | Q025 | 2508.00 | 810.60 | 820.21 |
| Hock | 22462.14 | Q050 | 3336.00 | 810.60 | 821.81 |
| Hock | 22462.14 | Q100 | 4219.00 | 810.60 | 822.28 |
| Hock | 22462.14 | Q200 | 5123.00 | 810.60 | 822.67 |
| Hock | 22462.14 | Q250 | 5399.00 | 810.60 | 822.71 |
| Hock | 22462.14 | Q500 | 6408.00 | 810.60 | 823.36 |
| Hock | 22259.12 | Q005 | 918.00 | 810.40 | 815.70 |
| Hock | 22259.12 | Q010 | 1517.00 | 810.40 | 817.73 |
| Hock | 22259.12 | Q025 | 2508.00 | 810.40 | 820.20 |
| Hock | 22259.12 | Q050 | 3336.00 | 810.40 | 821.80 |
| Hock | 22259.12 | Q100 | 4219.00 | 810.40 | 822.27 |
| Hock | 22259.12 | Q200 | 5123.00 | 810.40 | 822.66 |
| Hock | 22259.12 | Q250 | 5399.00 | 810.40 | 822.71 |
| Hock | 22259.12 | Q500 | 6408.00 | 810.40 | 823.35 |
| Hock | 22050.82 | Q005 | 918.00 | 810.20 | 815.68 |
| Hock | 22050.82 | Q010 | 1517.00 | 810.20 | 817.72 |
| Hock | 22050.82 | Q025 | 2508.00 | 810.20 | 820.19 |
| Hock | 22050.82 | Q050 | 3336.00 | 810.20 | 821.79 |
| Hock | 22050.82 | Q100 | 4219.00 | 810.20 | 822.26 |

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|------|----------|------|---------|--------|--------|
| Hock | 22050.82 | Q200 | 5123.00 | 810.20 | 822.65 |
| Hock | 22050.82 | Q250 | 5399.00 | 810.20 | 822.69 |
| Hock | 22050.82 | Q500 | 6408.00 | 810.20 | 823.34 |
| Hock | 21844.71 | Q005 | 993.00 | 810.20 | 815.65 |
| Hock | 21844.71 | Q010 | 1628.00 | 810.20 | 817.71 |
| Hock | 21844.71 | Q025 | 2675.00 | 810.20 | 820.19 |
| Hock | 21844.71 | Q050 | 3556.00 | 810.20 | 821.79 |
| Hock | 21844.71 | Q100 | 4504.00 | 810.20 | 822.25 |
| Hock | 21844.71 | Q200 | 5476.00 | 810.20 | 822.64 |
| Hock | 21844.71 | Q250 | 5772.00 | 810.20 | 822.68 |
| Hock | 21844.71 | Q500 | 6863.00 | 810.20 | 823.32 |
| Hock | 21610.19 | Q005 | 993.00 | 810.10 | 815.63 |
| Hock | 21610.19 | Q010 | 1628.00 | 810.10 | 817.69 |
| Hock | 21610.19 | Q025 | 2675.00 | 810.10 | 820.18 |
| Hock | 21610.19 | Q050 | 3556.00 | 810.10 | 821.78 |
| Hock | 21610.19 | Q100 | 4504.00 | 810.10 | 822.24 |
| Hock | 21610.19 | Q200 | 5476.00 | 810.10 | 822.62 |
| Hock | 21610.19 | Q250 | 5772.00 | 810.10 | 822.66 |
| Hock | 21610.19 | Q500 | 6863.00 | 810.10 | 823.30 |
| Hock | 21405.49 | Q005 | 993.00 | 810.00 | 815.62 |
| Hock | 21405.49 | Q010 | 1628.00 | 810.00 | 817.68 |
| Hock | 21405.49 | Q025 | 2675.00 | 810.00 | 820.17 |

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|------|----------|------|---------|--------|--------|
| Hock | 21405.49 | Q050 | 3556.00 | 810.00 | 821.77 |
| Hock | 21405.49 | Q100 | 4504.00 | 810.00 | 822.23 |
| Hock | 21405.49 | Q200 | 5476.00 | 810.00 | 822.61 |
| Hock | 21405.49 | Q250 | 5772.00 | 810.00 | 822.65 |
| Hock | 21405.49 | Q500 | 6863.00 | 810.00 | 823.28 |
| Hock | 21213.19 | Q005 | 993.00 | 810.00 | 815.61 |
| Hock | 21213.19 | Q010 | 1628.00 | 810.00 | 817.68 |
| Hock | 21213.19 | Q025 | 2675.00 | 810.00 | 820.17 |
| Hock | 21213.19 | Q050 | 3556.00 | 810.00 | 821.77 |
| Hock | 21213.19 | Q100 | 4504.00 | 810.00 | 822.23 |
| Hock | 21213.19 | Q200 | 5476.00 | 810.00 | 822.60 |
| Hock | 21213.19 | Q250 | 5772.00 | 810.00 | 822.64 |
| Hock | 21213.19 | Q500 | 6863.00 | 810.00 | 823.28 |
| Hock | 20966.11 | Q005 | 993.00 | 809.80 | 815.60 |
| Hock | 20966.11 | Q010 | 1628.00 | 809.80 | 817.67 |
| Hock | 20966.11 | Q025 | 2675.00 | 809.80 | 820.16 |
| Hock | 20966.11 | Q050 | 3556.00 | 809.80 | 821.76 |
| Hock | 20966.11 | Q100 | 4504.00 | 809.80 | 822.22 |
| Hock | 20966.11 | Q200 | 5476.00 | 809.80 | 822.60 |
| Hock | 20966.11 | Q250 | 5772.00 | 809.80 | 822.63 |
| Hock | 20966.11 | Q500 | 6863.00 | 809.80 | 823.27 |
| Hock | 20704.17 | Q005 | 993.00 | 809.60 | 815.59 |

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|------|----------|------|---------|--------|--------|
| Hock | 20704.17 | Q010 | 1628.00 | 809.60 | 817.67 |
| Hock | 20704.17 | Q025 | 2675.00 | 809.60 | 820.16 |
| Hock | 20704.17 | Q050 | 3556.00 | 809.60 | 821.76 |
| Hock | 20704.17 | Q100 | 4504.00 | 809.60 | 822.21 |
| Hock | 20704.17 | Q200 | 5476.00 | 809.60 | 822.59 |
| Hock | 20704.17 | Q250 | 5772.00 | 809.60 | 822.62 |
| Hock | 20704.17 | Q500 | 6863.00 | 809.60 | 823.25 |
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| Hock | 20451.35 | Q005 | 993.00 | 809.40 | 815.59 |
| Hock | 20451.35 | Q010 | 1628.00 | 809.40 | 817.67 |
| Hock | 20451.35 | Q025 | 2675.00 | 809.40 | 820.15 |
| Hock | 20451.35 | Q050 | 3556.00 | 809.40 | 821.76 |
| Hock | 20451.35 | Q100 | 4504.00 | 809.40 | 822.21 |
| Hock | 20451.35 | Q200 | 5476.00 | 809.40 | 822.58 |
| Hock | 20451.35 | Q250 | 5772.00 | 809.40 | 822.62 |
| Hock | 20451.35 | Q500 | 6863.00 | 809.40 | 823.25 |
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| Hock | 20240.47 | Q005 | 993.00 | 809.20 | 815.59 |
| Hock | 20240.47 | Q010 | 1628.00 | 809.20 | 817.66 |
| Hock | 20240.47 | Q025 | 2675.00 | 809.20 | 820.15 |
| Hock | 20240.47 | Q050 | 3556.00 | 809.20 | 821.76 |
| Hock | 20240.47 | Q100 | 4504.00 | 809.20 | 822.21 |
| Hock | 20240.47 | Q200 | 5476.00 | 809.20 | 822.58 |
| Hock | 20240.47 | Q250 | 5772.00 | 809.20 | 822.61 |
| Hock | 20240.47 | Q500 | 6863.00 | 809.20 | 823.24 |

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|------|----------|------|---------|--------|--------|
| Hock | 19988.83 | Q005 | 993.00 | 808.90 | 815.59 |
| Hock | 19988.83 | Q010 | 1628.00 | 808.90 | 817.66 |
| Hock | 19988.83 | Q025 | 2675.00 | 808.90 | 820.15 |
| Hock | 19988.83 | Q050 | 3556.00 | 808.90 | 821.76 |
| Hock | 19988.83 | Q100 | 4504.00 | 808.90 | 822.21 |
| Hock | 19988.83 | Q200 | 5476.00 | 808.90 | 822.58 |
| Hock | 19988.83 | Q250 | 5772.00 | 808.90 | 822.61 |
| Hock | 19988.83 | Q500 | 6863.00 | 808.90 | 823.24 |
| Hock | 19732.79 | Q005 | 993.00 | 808.50 | 815.59 |
| Hock | 19732.79 | Q010 | 1628.00 | 808.50 | 817.66 |
| Hock | 19732.79 | Q025 | 2675.00 | 808.50 | 820.15 |
| Hock | 19732.79 | Q050 | 3556.00 | 808.50 | 821.75 |
| Hock | 19732.79 | Q100 | 4504.00 | 808.50 | 822.21 |
| Hock | 19732.79 | Q200 | 5476.00 | 808.50 | 822.58 |
| Hock | 19732.79 | Q250 | 5772.00 | 808.50 | 822.61 |
| Hock | 19732.79 | Q500 | 6863.00 | 808.50 | 823.24 |
| Hock | 19476.47 | Q005 | 993.00 | 808.20 | 815.58 |
| Hock | 19476.47 | Q010 | 1628.00 | 808.20 | 817.65 |
| Hock | 19476.47 | Q025 | 2675.00 | 808.20 | 820.14 |
| Hock | 19476.47 | Q050 | 3556.00 | 808.20 | 821.73 |
| Hock | 19476.47 | Q100 | 4504.00 | 808.20 | 822.21 |
| Hock | 19476.47 | Q200 | 5476.00 | 808.20 | 822.58 |

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|------|----------|------|---------|--------|--------|
| Hock | 19476.47 | Q250 | 5772.00 | 808.20 | 822.61 |
| Hock | 19476.47 | Q500 | 6863.00 | 808.20 | 823.24 |
| Hock | 19193.75 | Q005 | 993.00 | 807.80 | 815.50 |
| Hock | 19193.75 | Q010 | 1628.00 | 807.80 | 817.58 |
| Hock | 19193.75 | Q025 | 2675.00 | 807.80 | 820.07 |
| Hock | 19193.75 | Q050 | 3556.00 | 807.80 | 821.74 |
| Hock | 19193.75 | Q100 | 4504.00 | 807.80 | 822.21 |
| Hock | 19193.75 | Q200 | 5476.00 | 807.80 | 822.58 |
| Hock | 19193.75 | Q250 | 5772.00 | 807.80 | 822.62 |
| Hock | 19193.75 | Q500 | 6863.00 | 807.80 | 823.25 |
| Hock | 18909.31 | Q005 | 993.00 | 807.40 | 815.37 |
| Hock | 18909.31 | Q010 | 1628.00 | 807.40 | 817.55 |
| Hock | 18909.31 | Q025 | 2675.00 | 807.40 | 820.06 |
| Hock | 18909.31 | Q050 | 3556.00 | 807.40 | 821.71 |
| Hock | 18909.31 | Q100 | 4504.00 | 807.40 | 822.20 |
| Hock | 18909.31 | Q200 | 5476.00 | 807.40 | 822.56 |
| Hock | 18909.31 | Q250 | 5772.00 | 807.40 | 822.60 |
| Hock | 18909.31 | Q500 | 6863.00 | 807.40 | 823.23 |
| Hock | 18880.85 | Q005 | 993.00 | 807.70 | 815.26 |
| Hock | 18880.85 | Q010 | 1628.00 | 807.70 | 817.32 |
| Hock | 18880.85 | Q025 | 2675.00 | 807.70 | 819.72 |
| Hock | 18880.85 | Q050 | 3556.00 | 807.70 | 821.61 |

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|------|----------|------|---------|--------|--------|
| Hock | 18880.85 | Q100 | 4504.00 | 807.70 | 822.06 |
| Hock | 18880.85 | Q200 | 5476.00 | 807.70 | 822.39 |
| Hock | 18880.85 | Q250 | 5772.00 | 807.70 | 822.41 |
| Hock | 18880.85 | Q500 | 6863.00 | 807.70 | 823.03 |
| Hock | 18862 | | Bridge | | |
| Hock | 18795.44 | Q005 | 993.00 | 807.70 | 815.15 |
| Hock | 18795.44 | Q010 | 1628.00 | 807.70 | 817.19 |
| Hock | 18795.44 | Q025 | 2675.00 | 807.70 | 819.58 |
| Hock | 18795.44 | Q050 | 3556.00 | 807.70 | 821.35 |
| Hock | 18795.44 | Q100 | 4504.00 | 807.70 | 821.68 |
| Hock | 18795.44 | Q200 | 5476.00 | 807.70 | 821.93 |
| Hock | 18795.44 | Q250 | 5772.00 | 807.70 | 821.94 |
| Hock | 18795.44 | Q500 | 6863.00 | 807.70 | 822.56 |
| Hock | 18704.83 | Q005 | 993.00 | 806.90 | 815.06 |
| Hock | 18704.83 | Q010 | 1628.00 | 806.90 | 817.07 |
| Hock | 18704.83 | Q025 | 2675.00 | 806.90 | 819.39 |
| Hock | 18704.83 | Q050 | 3556.00 | 806.90 | 821.27 |
| Hock | 18704.83 | Q100 | 4504.00 | 806.90 | 821.57 |
| Hock | 18704.83 | Q200 | 5476.00 | 806.90 | 821.78 |
| Hock | 18704.83 | Q250 | 5772.00 | 806.90 | 821.79 |
| Hock | 18704.83 | Q500 | 6863.00 | 806.90 | 822.64 |

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|------|----------|------|---------|--------|--------|
| Hock | 18445.47 | Q005 | 993.00 | 807.00 | 814.90 |
| Hock | 18445.47 | Q010 | 1628.00 | 807.00 | 816.95 |
| Hock | 18445.47 | Q025 | 2675.00 | 807.00 | 819.35 |
| Hock | 18445.47 | Q050 | 3556.00 | 807.00 | 821.25 |
| Hock | 18445.47 | Q100 | 4504.00 | 807.00 | 821.66 |
| Hock | 18445.47 | Q200 | 5476.00 | 807.00 | 821.90 |
| Hock | 18445.47 | Q250 | 5772.00 | 807.00 | 821.91 |
| Hock | 18445.47 | Q500 | 6863.00 | 807.00 | 822.62 |
| Hock | 18188.79 | Q005 | 993.00 | 807.00 | 814.73 |
| Hock | 18188.79 | Q010 | 1628.00 | 807.00 | 816.77 |
| Hock | 18188.79 | Q025 | 2675.00 | 807.00 | 819.24 |
| Hock | 18188.79 | Q050 | 3556.00 | 807.00 | 821.15 |
| Hock | 18188.79 | Q100 | 4504.00 | 807.00 | 821.50 |
| Hock | 18188.79 | Q200 | 5476.00 | 807.00 | 821.67 |
| Hock | 18188.79 | Q250 | 5772.00 | 807.00 | 821.68 |
| Hock | 18188.79 | Q500 | 6863.00 | 807.00 | 822.58 |
| Hock | 17929.78 | Q005 | 993.00 | 807.10 | 814.61 |
| Hock | 17929.78 | Q010 | 1628.00 | 807.10 | 816.73 |
| Hock | 17929.78 | Q025 | 2675.00 | 807.10 | 819.22 |
| Hock | 17929.78 | Q050 | 3556.00 | 807.10 | 821.12 |
| Hock | 17929.78 | Q100 | 4504.00 | 807.10 | 821.45 |
| Hock | 17929.78 | Q200 | 5476.00 | 807.10 | 821.74 |
| Hock | 17929.78 | Q250 | 5772.00 | 807.10 | 821.75 |

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|------|----------|------|---------|--------|--------|
| Hock | 17929.78 | Q500 | 6863.00 | 807.10 | 822.56 |
| Hock | 17671.15 | Q005 | 993.00 | 807.10 | 814.45 |
| Hock | 17671.15 | Q010 | 1628.00 | 807.10 | 816.58 |
| Hock | 17671.15 | Q025 | 2675.00 | 807.10 | 819.10 |
| Hock | 17671.15 | Q050 | 3556.00 | 807.10 | 821.02 |
| Hock | 17671.15 | Q100 | 4504.00 | 807.10 | 821.32 |
| Hock | 17671.15 | Q200 | 5476.00 | 807.10 | 821.68 |
| Hock | 17671.15 | Q250 | 5772.00 | 807.10 | 821.69 |
| Hock | 17671.15 | Q500 | 6863.00 | 807.10 | 822.50 |
| Hock | 17388.35 | Q005 | 993.00 | 807.20 | 814.31 |
| Hock | 17388.35 | Q010 | 1628.00 | 807.20 | 816.45 |
| Hock | 17388.35 | Q025 | 2675.00 | 807.20 | 818.95 |
| Hock | 17388.35 | Q050 | 3556.00 | 807.20 | 820.89 |
| Hock | 17388.35 | Q100 | 4504.00 | 807.20 | 821.11 |
| Hock | 17388.35 | Q200 | 5476.00 | 807.20 | 821.65 |
| Hock | 17388.35 | Q250 | 5772.00 | 807.20 | 821.66 |
| Hock | 17388.35 | Q500 | 6863.00 | 807.20 | 822.47 |
| Hock | 17182.24 | Q005 | 1001.00 | 807.20 | 814.08 |
| Hock | 17182.24 | Q010 | 1622.00 | 807.20 | 816.18 |
| Hock | 17182.24 | Q025 | 2668.00 | 807.20 | 818.60 |
| Hock | 17182.24 | Q050 | 3567.00 | 807.20 | 820.56 |
| Hock | 17182.24 | Q100 | 4541.00 | 807.20 | 821.17 |

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|------|----------|------|---------|--------|--------|
| Hock | 17182.24 | Q200 | 5547.00 | 807.20 | 821.61 |
| Hock | 17182.24 | Q250 | 5849.00 | 807.20 | 821.62 |
| Hock | 17182.24 | Q500 | 6988.00 | 807.20 | 822.44 |
| Hock | 16944.41 | Q005 | 1001.00 | 806.70 | 813.91 |
| Hock | 16944.41 | Q010 | 1622.00 | 806.70 | 816.03 |
| Hock | 16944.41 | Q025 | 2668.00 | 806.70 | 818.46 |
| Hock | 16944.41 | Q050 | 3567.00 | 806.70 | 820.51 |
| Hock | 16944.41 | Q100 | 4541.00 | 806.70 | 820.83 |
| Hock | 16944.41 | Q200 | 5547.00 | 806.70 | 821.59 |
| Hock | 16944.41 | Q250 | 5849.00 | 806.70 | 821.60 |
| Hock | 16944.41 | Q500 | 6988.00 | 806.70 | 822.41 |
| Hock | 16690.86 | Q005 | 1001.00 | 806.20 | 813.73 |
| Hock | 16690.86 | Q010 | 1622.00 | 806.20 | 815.84 |
| Hock | 16690.86 | Q025 | 2668.00 | 806.20 | 818.38 |
| Hock | 16690.86 | Q050 | 3567.00 | 806.20 | 820.45 |
| Hock | 16690.86 | Q100 | 4541.00 | 806.20 | 820.75 |
| Hock | 16690.86 | Q200 | 5547.00 | 806.20 | 821.57 |
| Hock | 16690.86 | Q250 | 5849.00 | 806.20 | 821.58 |
| Hock | 16690.86 | Q500 | 6988.00 | 806.20 | 822.40 |
| Hock | 16468.67 | Q005 | 1001.00 | 805.70 | 813.61 |
| Hock | 16468.67 | Q010 | 1622.00 | 805.70 | 815.78 |
| Hock | 16468.67 | Q025 | 2668.00 | 805.70 | 818.33 |

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|------|----------|------|---------|--------|--------|
| Hock | 16468.67 | Q050 | 3567.00 | 805.70 | 820.40 |
| Hock | 16468.67 | Q100 | 4541.00 | 805.70 | 820.67 |
| Hock | 16468.67 | Q200 | 5547.00 | 805.70 | 821.54 |
| Hock | 16468.67 | Q250 | 5849.00 | 805.70 | 821.55 |
| Hock | 16468.67 | Q500 | 6988.00 | 805.70 | 822.36 |
| Hock | 16231.17 | Q005 | 1001.00 | 805.20 | 813.45 |
| Hock | 16231.17 | Q010 | 1622.00 | 805.20 | 815.56 |
| Hock | 16231.17 | Q025 | 2668.00 | 805.20 | 817.97 |
| Hock | 16231.17 | Q050 | 3567.00 | 805.20 | 820.03 |
| Hock | 16231.17 | Q100 | 4541.00 | 805.20 | 820.71 |
| Hock | 16231.17 | Q200 | 5547.00 | 805.20 | 821.52 |
| Hock | 16231.17 | Q250 | 5849.00 | 805.20 | 821.53 |
| Hock | 16231.17 | Q500 | 6988.00 | 805.20 | 822.34 |
| Hock | 16184.96 | Q005 | 1001.00 | 806.10 | 813.42 |
| Hock | 16184.96 | Q010 | 1622.00 | 806.10 | 815.53 |
| Hock | 16184.96 | Q025 | 2668.00 | 806.10 | 817.95 |
| Hock | 16184.96 | Q050 | 3567.00 | 806.10 | 820.22 |
| Hock | 16184.96 | Q100 | 4541.00 | 806.10 | 820.67 |
| Hock | 16184.96 | Q200 | 5547.00 | 806.10 | 821.49 |
| Hock | 16184.96 | Q250 | 5849.00 | 806.10 | 821.50 |
| Hock | 16184.96 | Q500 | 6988.00 | 806.10 | 822.32 |
| Hock | 16178 | | Bridge | | |

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|------|----------|------|---------|--------|--------|
| Hock | 16125.36 | Q005 | 1001.00 | 806.10 | 813.39 |
| Hock | 16125.36 | Q010 | 1622.00 | 806.10 | 815.51 |
| Hock | 16125.36 | Q025 | 2668.00 | 806.10 | 817.92 |
| Hock | 16125.36 | Q050 | 3567.00 | 806.10 | 819.79 |
| Hock | 16125.36 | Q100 | 4541.00 | 806.10 | 820.67 |
| Hock | 16125.36 | Q200 | 5547.00 | 806.10 | 821.49 |
| Hock | 16125.36 | Q250 | 5849.00 | 806.10 | 821.50 |
| Hock | 16125.36 | Q500 | 6988.00 | 806.10 | 822.32 |
| Hock | 15995.11 | Q005 | 1001.00 | 804.50 | 813.33 |
| Hock | 15995.11 | Q010 | 1622.00 | 804.50 | 815.47 |
| Hock | 15995.11 | Q025 | 2668.00 | 804.50 | 817.92 |
| Hock | 15995.11 | Q050 | 3567.00 | 804.50 | 819.83 |
| Hock | 15995.11 | Q100 | 4541.00 | 804.50 | 820.67 |
| Hock | 15995.11 | Q200 | 5547.00 | 804.50 | 821.49 |
| Hock | 15995.11 | Q250 | 5849.00 | 804.50 | 821.50 |
| Hock | 15995.11 | Q500 | 6988.00 | 804.50 | 822.32 |
| Hock | 15777.37 | Q005 | 1001.00 | 804.60 | 813.29 |
| Hock | 15777.37 | Q010 | 1622.00 | 804.60 | 815.45 |
| Hock | 15777.37 | Q025 | 2668.00 | 804.60 | 817.91 |
| Hock | 15777.37 | Q050 | 3567.00 | 804.60 | 819.84 |
| Hock | 15777.37 | Q100 | 4541.00 | 804.60 | 820.67 |
| Hock | 15777.37 | Q200 | 5547.00 | 804.60 | 821.49 |

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|------|----------|------|---------|--------|--------|
| Hock | 15777.37 | Q250 | 5849.00 | 804.60 | 821.50 |
| Hock | 15777.37 | Q500 | 6988.00 | 804.60 | 822.32 |
| Hock | 15539.02 | Q005 | 1001.00 | 804.80 | 813.24 |
| Hock | 15539.02 | Q010 | 1622.00 | 804.80 | 815.43 |
| Hock | 15539.02 | Q025 | 2668.00 | 804.80 | 817.90 |
| Hock | 15539.02 | Q050 | 3567.00 | 804.80 | 819.84 |
| Hock | 15539.02 | Q100 | 4541.00 | 804.80 | 820.66 |
| Hock | 15539.02 | Q200 | 5547.00 | 804.80 | 821.48 |
| Hock | 15539.02 | Q250 | 5849.00 | 804.80 | 821.49 |
| Hock | 15539.02 | Q500 | 6988.00 | 804.80 | 822.32 |
| Hock | 15290.91 | Q005 | 1001.00 | 804.90 | 813.20 |
| Hock | 15290.91 | Q010 | 1622.00 | 804.90 | 815.41 |
| Hock | 15290.91 | Q025 | 2668.00 | 804.90 | 817.89 |
| Hock | 15290.91 | Q050 | 3567.00 | 804.90 | 819.83 |
| Hock | 15290.91 | Q100 | 4541.00 | 804.90 | 820.66 |
| Hock | 15290.91 | Q200 | 5547.00 | 804.90 | 821.48 |
| Hock | 15290.91 | Q250 | 5849.00 | 804.90 | 821.49 |
| Hock | 15290.91 | Q500 | 6988.00 | 804.90 | 822.31 |
| Hock | 15036.07 | Q005 | 1016.00 | 805.00 | 813.07 |
| Hock | 15036.07 | Q010 | 1637.00 | 805.00 | 815.33 |
| Hock | 15036.07 | Q025 | 2690.00 | 805.00 | 817.83 |
| Hock | 15036.07 | Q050 | 3603.00 | 805.00 | 819.79 |

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|------|----------|------|---------|--------|--------|
| Hock | 15036.07 | Q100 | 4599.00 | 805.00 | 820.66 |
| Hock | 15036.07 | Q200 | 5628.00 | 805.00 | 821.48 |
| Hock | 15036.07 | Q250 | 5935.00 | 805.00 | 821.49 |
| Hock | 15036.07 | Q500 | 7105.00 | 805.00 | 822.31 |
| Hock | 14754.66 | Q005 | 1016.00 | 805.20 | 812.92 |
| Hock | 14754.66 | Q010 | 1637.00 | 805.20 | 815.12 |
| Hock | 14754.66 | Q025 | 2690.00 | 805.20 | 817.56 |
| Hock | 14754.66 | Q050 | 3603.00 | 805.20 | 819.51 |
| Hock | 14754.66 | Q100 | 4599.00 | 805.20 | 820.65 |
| Hock | 14754.66 | Q200 | 5628.00 | 805.20 | 821.47 |
| Hock | 14754.66 | Q250 | 5935.00 | 805.20 | 821.48 |
| Hock | 14754.66 | Q500 | 7105.00 | 805.20 | 822.30 |
| Hock | 14690.60 | Q005 | 1016.00 | 805.30 | 812.90 |
| Hock | 14690.60 | Q010 | 1637.00 | 805.30 | 815.11 |
| Hock | 14690.60 | Q025 | 2690.00 | 805.30 | 817.51 |
| Hock | 14690.60 | Q050 | 3603.00 | 805.30 | 819.39 |
| Hock | 14690.60 | Q100 | 4599.00 | 805.30 | 820.63 |
| Hock | 14690.60 | Q200 | 5628.00 | 805.30 | 821.45 |
| Hock | 14690.60 | Q250 | 5935.00 | 805.30 | 821.46 |
| Hock | 14690.60 | Q500 | 7105.00 | 805.30 | 822.28 |
| Hock | 14680 | | Bridge | | |

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|------|----------|------|---------|--------|--------|
| Hock | 14626.49 | Q005 | 1016.00 | 805.30 | 812.88 |
| Hock | 14626.49 | Q010 | 1637.00 | 805.30 | 815.08 |
| Hock | 14626.49 | Q025 | 2690.00 | 805.30 | 817.48 |
| Hock | 14626.49 | Q050 | 3603.00 | 805.30 | 819.24 |
| Hock | 14626.49 | Q100 | 4599.00 | 805.30 | 819.76 |
| Hock | 14626.49 | Q200 | 5628.00 | 805.30 | 820.48 |
| Hock | 14626.49 | Q250 | 5935.00 | 805.30 | 820.98 |
| Hock | 14626.49 | Q500 | 7105.00 | 805.30 | 822.26 |
| Hock | 14570.86 | Q005 | 1016.00 | 804.00 | 812.84 |
| Hock | 14570.86 | Q010 | 1637.00 | 804.00 | 815.03 |
| Hock | 14570.86 | Q025 | 2690.00 | 804.00 | 817.39 |
| Hock | 14570.86 | Q050 | 3603.00 | 804.00 | 819.18 |
| Hock | 14570.86 | Q100 | 4599.00 | 804.00 | 819.69 |
| Hock | 14570.86 | Q200 | 5628.00 | 804.00 | 820.49 |
| Hock | 14570.86 | Q250 | 5935.00 | 804.00 | 820.99 |
| Hock | 14570.86 | Q500 | 7105.00 | 804.00 | 822.27 |
| Hock | 14274.41 | Q005 | 1016.00 | 804.40 | 812.74 |
| Hock | 14274.41 | Q010 | 1637.00 | 804.40 | 814.94 |
| Hock | 14274.41 | Q025 | 2690.00 | 804.40 | 817.37 |
| Hock | 14274.41 | Q050 | 3603.00 | 804.40 | 819.21 |
| Hock | 14274.41 | Q100 | 4599.00 | 804.40 | 819.75 |
| Hock | 14274.41 | Q200 | 5628.00 | 804.40 | 820.49 |
| Hock | 14274.41 | Q250 | 5935.00 | 804.40 | 820.99 |

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|------|----------|------|---------|--------|--------|
| Hock | 14274.41 | Q500 | 7105.00 | 804.40 | 822.27 |
| Hock | 13998.38 | Q005 | 1016.00 | 804.80 | 812.63 |
| Hock | 13998.38 | Q010 | 1637.00 | 804.80 | 814.88 |
| Hock | 13998.38 | Q025 | 2690.00 | 804.80 | 817.37 |
| Hock | 13998.38 | Q050 | 3603.00 | 804.80 | 819.22 |
| Hock | 13998.38 | Q100 | 4599.00 | 804.80 | 819.88 |
| Hock | 13998.38 | Q200 | 5628.00 | 804.80 | 820.49 |
| Hock | 13998.38 | Q250 | 5935.00 | 804.80 | 820.99 |
| Hock | 13998.38 | Q500 | 7105.00 | 804.80 | 822.27 |
| Hock | 13754.94 | Q005 | 1016.00 | 804.60 | 812.52 |
| Hock | 13754.94 | Q010 | 1637.00 | 804.60 | 814.86 |
| Hock | 13754.94 | Q025 | 2690.00 | 804.60 | 817.35 |
| Hock | 13754.94 | Q050 | 3603.00 | 804.60 | 819.22 |
| Hock | 13754.94 | Q100 | 4599.00 | 804.60 | 819.88 |
| Hock | 13754.94 | Q200 | 5628.00 | 804.60 | 820.49 |
| Hock | 13754.94 | Q250 | 5935.00 | 804.60 | 820.99 |
| Hock | 13754.94 | Q500 | 7105.00 | 804.60 | 822.26 |
| Hock | 13506.06 | Q005 | 1016.00 | 804.40 | 812.42 |
| Hock | 13506.06 | Q010 | 1637.00 | 804.40 | 814.84 |
| Hock | 13506.06 | Q025 | 2690.00 | 804.40 | 817.34 |
| Hock | 13506.06 | Q050 | 3603.00 | 804.40 | 819.21 |
| Hock | 13506.06 | Q100 | 4599.00 | 804.40 | 819.88 |

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|------|----------|------|---------|--------|--------|
| Hock | 13506.06 | Q200 | 5628.00 | 804.40 | 820.49 |
| Hock | 13506.06 | Q250 | 5935.00 | 804.40 | 820.99 |
| Hock | 13506.06 | Q500 | 7105.00 | 804.40 | 822.26 |
| Hock | 13257.66 | Q005 | 1016.00 | 804.20 | 812.27 |
| Hock | 13257.66 | Q010 | 1637.00 | 804.20 | 814.72 |
| Hock | 13257.66 | Q025 | 2690.00 | 804.20 | 817.26 |
| Hock | 13257.66 | Q050 | 3603.00 | 804.20 | 819.15 |
| Hock | 13257.66 | Q100 | 4599.00 | 804.20 | 819.88 |
| Hock | 13257.66 | Q200 | 5628.00 | 804.20 | 820.48 |
| Hock | 13257.66 | Q250 | 5935.00 | 804.20 | 820.98 |
| Hock | 13257.66 | Q500 | 7105.00 | 804.20 | 822.26 |
| Hock | 12938.57 | Q005 | 1016.00 | 802.80 | 812.20 |
| Hock | 12938.57 | Q010 | 1637.00 | 802.80 | 814.62 |
| Hock | 12938.57 | Q025 | 2690.00 | 802.80 | 817.06 |
| Hock | 12938.57 | Q050 | 3603.00 | 802.80 | 819.16 |
| Hock | 12938.57 | Q100 | 4599.00 | 802.80 | 819.87 |
| Hock | 12938.57 | Q200 | 5628.00 | 802.80 | 820.47 |
| Hock | 12938.57 | Q250 | 5935.00 | 802.80 | 820.97 |
| Hock | 12938.57 | Q500 | 7105.00 | 802.80 | 822.25 |
| Hock | 12878.22 | Q005 | 1016.00 | 804.10 | 812.17 |
| Hock | 12878.22 | Q010 | 1637.00 | 804.10 | 814.59 |
| Hock | 12878.22 | Q025 | 2690.00 | 804.10 | 817.05 |

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|------|----------|------|---------|--------|--------|
| Hock | 12878.22 | Q050 | 3603.00 | 804.10 | 819.02 |
| Hock | 12878.22 | Q100 | 4599.00 | 804.10 | 819.74 |
| Hock | 12878.22 | Q200 | 5628.00 | 804.10 | 820.34 |
| Hock | 12878.22 | Q250 | 5935.00 | 804.10 | 820.89 |
| Hock | 12878.22 | Q500 | 7105.00 | 804.10 | 822.21 |
| Hock | 12866 | | Bridge | | |
| Hock | 12801.41 | Q005 | 1016.00 | 804.00 | 812.14 |
| Hock | 12801.41 | Q010 | 1637.00 | 804.00 | 814.57 |
| Hock | 12801.41 | Q025 | 2690.00 | 804.00 | 817.00 |
| Hock | 12801.41 | Q050 | 3603.00 | 804.00 | 818.96 |
| Hock | 12801.41 | Q100 | 4599.00 | 804.00 | 819.69 |
| Hock | 12801.41 | Q200 | 5628.00 | 804.00 | 820.30 |
| Hock | 12801.41 | Q250 | 5935.00 | 804.00 | 820.86 |
| Hock | 12801.41 | Q500 | 7105.00 | 804.00 | 822.19 |
| Hock | 12752.48 | Q005 | 1016.00 | 802.70 | 812.05 |
| Hock | 12752.48 | Q010 | 1637.00 | 802.70 | 814.44 |
| Hock | 12752.48 | Q025 | 2690.00 | 802.70 | 816.80 |
| Hock | 12752.48 | Q050 | 3603.00 | 802.70 | 818.56 |
| Hock | 12752.48 | Q100 | 4599.00 | 802.70 | 819.72 |
| Hock | 12752.48 | Q200 | 5628.00 | 802.70 | 820.32 |
| Hock | 12752.48 | Q250 | 5935.00 | 802.70 | 820.87 |
| Hock | 12752.48 | Q500 | 7105.00 | 802.70 | 822.19 |

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|------|----------|------|---------|--------|--------|
| Hock | 12545.38 | Q005 | 1016.00 | 803.60 | 811.96 |
| Hock | 12545.38 | Q010 | 1637.00 | 803.60 | 814.37 |
| Hock | 12545.38 | Q025 | 2690.00 | 803.60 | 816.76 |
| Hock | 12545.38 | Q050 | 3603.00 | 803.60 | 818.58 |
| Hock | 12545.38 | Q100 | 4599.00 | 803.60 | 819.71 |
| Hock | 12545.38 | Q200 | 5628.00 | 803.60 | 820.32 |
| Hock | 12545.38 | Q250 | 5935.00 | 803.60 | 820.87 |
| Hock | 12545.38 | Q500 | 7105.00 | 803.60 | 822.19 |
| Hock | 12336.70 | Q005 | 1016.00 | 803.20 | 811.88 |
| Hock | 12336.70 | Q010 | 1637.00 | 803.20 | 814.28 |
| Hock | 12336.70 | Q025 | 2690.00 | 803.20 | 816.68 |
| Hock | 12336.70 | Q050 | 3603.00 | 803.20 | 818.49 |
| Hock | 12336.70 | Q100 | 4599.00 | 803.20 | 819.71 |
| Hock | 12336.70 | Q200 | 5628.00 | 803.20 | 820.32 |
| Hock | 12336.70 | Q250 | 5935.00 | 803.20 | 820.86 |
| Hock | 12336.70 | Q500 | 7105.00 | 803.20 | 822.19 |
| Hock | 12112.20 | Q005 | 1016.00 | 802.80 | 811.77 |
| Hock | 12112.20 | Q010 | 1637.00 | 802.80 | 814.18 |
| Hock | 12112.20 | Q025 | 2690.00 | 802.80 | 816.48 |
| Hock | 12112.20 | Q050 | 3603.00 | 802.80 | 818.21 |
| Hock | 12112.20 | Q100 | 4599.00 | 802.80 | 819.70 |
| Hock | 12112.20 | Q200 | 5628.00 | 802.80 | 820.31 |

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|------|----------|------|---------|--------|--------|
| Hock | 12112.20 | Q250 | 5935.00 | 802.80 | 820.86 |
| Hock | 12112.20 | Q500 | 7105.00 | 802.80 | 822.18 |
| Hock | 12048.13 | Q005 | 1016.00 | 802.60 | 811.74 |
| Hock | 12048.13 | Q010 | 1637.00 | 802.60 | 814.15 |
| Hock | 12048.13 | Q025 | 2690.00 | 802.60 | 816.45 |
| Hock | 12048.13 | Q050 | 3603.00 | 802.60 | 818.16 |
| Hock | 12048.13 | Q100 | 4599.00 | 802.60 | 819.14 |
| Hock | 12048.13 | Q200 | 5628.00 | 802.60 | 820.18 |
| Hock | 12048.13 | Q250 | 5935.00 | 802.60 | 820.77 |
| Hock | 12048.13 | Q500 | 7105.00 | 802.60 | 822.14 |
| Hock | 12043 | | Bridge | | |
| Hock | 11988.72 | Q005 | 1016.00 | 802.60 | 811.67 |
| Hock | 11988.72 | Q010 | 1637.00 | 802.60 | 814.07 |
| Hock | 11988.72 | Q025 | 2690.00 | 802.60 | 816.33 |
| Hock | 11988.72 | Q050 | 3603.00 | 802.60 | 817.95 |
| Hock | 11988.72 | Q100 | 4599.00 | 802.60 | 818.70 |
| Hock | 11988.72 | Q200 | 5628.00 | 802.60 | 819.99 |
| Hock | 11988.72 | Q250 | 5935.00 | 802.60 | 820.65 |
| Hock | 11988.72 | Q500 | 7105.00 | 802.60 | 822.09 |
| Hock | 11910.55 | Q005 | 1016.00 | 801.40 | 811.64 |
| Hock | 11910.55 | Q010 | 1637.00 | 801.40 | 814.04 |

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|------|----------|------|---------|--------|--------|
| Hock | 11910.55 | Q025 | 2690.00 | 801.40 | 816.30 |
| Hock | 11910.55 | Q050 | 3603.00 | 801.40 | 817.90 |
| Hock | 11910.55 | Q100 | 4599.00 | 801.40 | 818.83 |
| Hock | 11910.55 | Q200 | 5628.00 | 801.40 | 820.01 |
| Hock | 11910.55 | Q250 | 5935.00 | 801.40 | 820.67 |
| Hock | 11910.55 | Q500 | 7105.00 | 801.40 | 822.09 |
| Hock | 11657.02 | Q005 | 1016.00 | 801.50 | 811.56 |
| Hock | 11657.02 | Q010 | 1637.00 | 801.50 | 813.97 |
| Hock | 11657.02 | Q025 | 2690.00 | 801.50 | 816.20 |
| Hock | 11657.02 | Q050 | 3603.00 | 801.50 | 817.80 |
| Hock | 11657.02 | Q100 | 4599.00 | 801.50 | 818.81 |
| Hock | 11657.02 | Q200 | 5628.00 | 801.50 | 820.05 |
| Hock | 11657.02 | Q250 | 5935.00 | 801.50 | 820.68 |
| Hock | 11657.02 | Q500 | 7105.00 | 801.50 | 822.10 |
| Hock | 11412.38 | Q005 | 1016.00 | 801.50 | 811.50 |
| Hock | 11412.38 | Q010 | 1637.00 | 801.50 | 813.90 |
| Hock | 11412.38 | Q025 | 2690.00 | 801.50 | 816.10 |
| Hock | 11412.38 | Q050 | 3603.00 | 801.50 | 817.68 |
| Hock | 11412.38 | Q100 | 4599.00 | 801.50 | 818.85 |
| Hock | 11412.38 | Q200 | 5628.00 | 801.50 | 820.04 |
| Hock | 11412.38 | Q250 | 5935.00 | 801.50 | 820.67 |
| Hock | 11412.38 | Q500 | 7105.00 | 801.50 | 822.09 |

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|------|----------|------|---------|--------|--------|
| Hock | 11173.04 | Q005 | 1016.00 | 801.60 | 811.42 |
| Hock | 11173.04 | Q010 | 1637.00 | 801.60 | 813.81 |
| Hock | 11173.04 | Q025 | 2690.00 | 801.60 | 815.97 |
| Hock | 11173.04 | Q050 | 3603.00 | 801.60 | 817.53 |
| Hock | 11173.04 | Q100 | 4599.00 | 801.60 | 818.84 |
| Hock | 11173.04 | Q200 | 5628.00 | 801.60 | 820.03 |
| Hock | 11173.04 | Q250 | 5935.00 | 801.60 | 820.67 |
| Hock | 11173.04 | Q500 | 7105.00 | 801.60 | 822.09 |
| Hock | 10905.10 | Q005 | 1016.00 | 801.70 | 811.33 |
| Hock | 10905.10 | Q010 | 1637.00 | 801.70 | 813.72 |
| Hock | 10905.10 | Q025 | 2690.00 | 801.70 | 815.84 |
| Hock | 10905.10 | Q050 | 3603.00 | 801.70 | 817.37 |
| Hock | 10905.10 | Q100 | 4599.00 | 801.70 | 818.81 |
| Hock | 10905.10 | Q200 | 5628.00 | 801.70 | 820.02 |
| Hock | 10905.10 | Q250 | 5935.00 | 801.70 | 820.66 |
| Hock | 10905.10 | Q500 | 7105.00 | 801.70 | 822.08 |
| Hock | 10549.62 | Q005 | 1016.00 | 801.80 | 811.15 |
| Hock | 10549.62 | Q010 | 1637.00 | 801.80 | 813.53 |
| Hock | 10549.62 | Q025 | 2690.00 | 801.80 | 815.58 |
| Hock | 10549.62 | Q050 | 3603.00 | 801.80 | 817.06 |
| Hock | 10549.62 | Q100 | 4599.00 | 801.80 | 818.80 |
| Hock | 10549.62 | Q200 | 5628.00 | 801.80 | 820.01 |
| Hock | 10549.62 | Q250 | 5935.00 | 801.80 | 820.65 |

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|------|----------|------|---------|--------|--------|
| Hock | 10549.62 | Q500 | 7105.00 | 801.80 | 822.07 |
| Hock | 10514.39 | Q005 | 1016.00 | 802.30 | 811.14 |
| Hock | 10514.39 | Q010 | 1637.00 | 802.30 | 813.52 |
| Hock | 10514.39 | Q025 | 2690.00 | 802.30 | 815.56 |
| Hock | 10514.39 | Q050 | 3603.00 | 802.30 | 817.04 |
| Hock | 10514.39 | Q100 | 4599.00 | 802.30 | 818.28 |
| Hock | 10514.39 | Q200 | 5628.00 | 802.30 | 819.38 |
| Hock | 10514.39 | Q250 | 5935.00 | 802.30 | 820.65 |
| Hock | 10514.39 | Q500 | 7105.00 | 802.30 | 822.07 |
| Hock | 10501 | | Bridge | | |
| Hock | 10442.06 | Q005 | 1016.00 | 802.30 | 811.10 |
| Hock | 10442.06 | Q010 | 1637.00 | 802.30 | 813.48 |
| Hock | 10442.06 | Q025 | 2690.00 | 802.30 | 815.52 |
| Hock | 10442.06 | Q050 | 3603.00 | 802.30 | 816.91 |
| Hock | 10442.06 | Q100 | 4599.00 | 802.30 | 818.00 |
| Hock | 10442.06 | Q200 | 5628.00 | 802.30 | 818.86 |
| Hock | 10442.06 | Q250 | 5935.00 | 802.30 | 819.30 |
| Hock | 10442.06 | Q500 | 7105.00 | 802.30 | 821.36 |
| Hock | 10355.34 | Q005 | 1016.00 | 801.40 | 811.07 |
| Hock | 10355.34 | Q010 | 1637.00 | 801.40 | 813.46 |
| Hock | 10355.34 | Q025 | 2690.00 | 801.40 | 815.48 |

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|------|----------|------|----------|--------|--------|
| Hock | 10355.34 | Q050 | 3603.00 | 801.40 | 816.85 |
| Hock | 10355.34 | Q100 | 4599.00 | 801.40 | 818.21 |
| Hock | 10355.34 | Q200 | 5628.00 | 801.40 | 819.12 |
| Hock | 10355.34 | Q250 | 5935.00 | 801.40 | 819.57 |
| Hock | 10355.34 | Q500 | 7105.00 | 801.40 | 821.36 |
| Hock | 10117.20 | Q005 | 1506.00 | 802.10 | 810.79 |
| Hock | 10117.20 | Q010 | 2474.00 | 802.10 | 813.10 |
| Hock | 10117.20 | Q025 | 4000.00 | 802.10 | 814.91 |
| Hock | 10117.20 | Q050 | 5273.00 | 802.10 | 816.11 |
| Hock | 10117.20 | Q100 | 6643.00 | 802.10 | 818.21 |
| Hock | 10117.20 | Q200 | 8050.00 | 802.10 | 819.12 |
| Hock | 10117.20 | Q250 | 8488.00 | 802.10 | 819.57 |
| Hock | 10117.20 | Q500 | 10067.00 | 802.10 | 821.36 |
| Hock | 10047.78 | Q005 | 1506.00 | 802.40 | 810.75 |
| Hock | 10047.78 | Q010 | 2474.00 | 802.40 | 813.08 |
| Hock | 10047.78 | Q025 | 4000.00 | 802.40 | 814.90 |
| Hock | 10047.78 | Q050 | 5273.00 | 802.40 | 816.13 |
| Hock | 10047.78 | Q100 | 6643.00 | 802.40 | 817.42 |
| Hock | 10047.78 | Q200 | 8050.00 | 802.40 | 818.05 |
| Hock | 10047.78 | Q250 | 8488.00 | 802.40 | 818.45 |
| Hock | 10047.78 | Q500 | 10067.00 | 802.40 | 821.36 |
| Hock | 10022 | | Bridge | | |

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|------|----------|------|----------|--------|--------|
| Hock | 9991.358 | Q005 | 1506.00 | 801.90 | 810.71 |
| Hock | 9991.358 | Q010 | 2474.00 | 801.90 | 813.03 |
| Hock | 9991.358 | Q025 | 4000.00 | 801.90 | 814.78 |
| Hock | 9991.358 | Q050 | 5273.00 | 801.90 | 815.94 |
| Hock | 9991.358 | Q100 | 6643.00 | 801.90 | 817.13 |
| Hock | 9991.358 | Q200 | 8050.00 | 801.90 | 817.69 |
| Hock | 9991.358 | Q250 | 8488.00 | 801.90 | 818.03 |
| Hock | 9991.358 | Q500 | 10067.00 | 801.90 | 819.18 |
| Hock | 9910.883 | Q005 | 1506.00 | 801.90 | 810.58 |
| Hock | 9910.883 | Q010 | 2474.00 | 801.90 | 812.88 |
| Hock | 9910.883 | Q025 | 4000.00 | 801.90 | 814.76 |
| Hock | 9910.883 | Q050 | 5273.00 | 801.90 | 815.97 |
| Hock | 9910.883 | Q100 | 6643.00 | 801.90 | 817.22 |
| Hock | 9910.883 | Q200 | 8050.00 | 801.90 | 818.27 |
| Hock | 9910.883 | Q250 | 8488.00 | 801.90 | 818.64 |
| Hock | 9910.883 | Q500 | 10067.00 | 801.90 | 819.87 |
| Hock | 9743.661 | Q005 | 1506.00 | 802.00 | 810.40 |
| Hock | 9743.661 | Q010 | 2474.00 | 802.00 | 812.71 |
| Hock | 9743.661 | Q025 | 4000.00 | 802.00 | 814.79 |
| Hock | 9743.661 | Q050 | 5273.00 | 802.00 | 816.01 |
| Hock | 9743.661 | Q100 | 6643.00 | 802.00 | 817.28 |
| Hock | 9743.661 | Q200 | 8050.00 | 802.00 | 818.27 |

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|------|----------|------|----------|--------|--------|
| Hock | 9743.661 | Q250 | 8488.00 | 802.00 | 818.64 |
| Hock | 9743.661 | Q500 | 10067.00 | 802.00 | 819.87 |
| Hock | 9482.908 | Q005 | 1506.00 | 802.10 | 810.07 |
| Hock | 9482.908 | Q010 | 2474.00 | 802.10 | 812.35 |
| Hock | 9482.908 | Q025 | 4000.00 | 802.10 | 814.76 |
| Hock | 9482.908 | Q050 | 5273.00 | 802.10 | 815.97 |
| Hock | 9482.908 | Q100 | 6643.00 | 802.10 | 817.22 |
| Hock | 9482.908 | Q200 | 8050.00 | 802.10 | 818.27 |
| Hock | 9482.908 | Q250 | 8488.00 | 802.10 | 818.64 |
| Hock | 9482.908 | Q500 | 10067.00 | 802.10 | 819.87 |
| Hock | 9228.178 | Q005 | 1506.00 | 802.20 | 809.70 |
| Hock | 9228.178 | Q010 | 2474.00 | 802.20 | 812.06 |
| Hock | 9228.178 | Q025 | 4000.00 | 802.20 | 814.76 |
| Hock | 9228.178 | Q050 | 5273.00 | 802.20 | 815.97 |
| Hock | 9228.178 | Q100 | 6643.00 | 802.20 | 817.21 |
| Hock | 9228.178 | Q200 | 8050.00 | 802.20 | 818.26 |
| Hock | 9228.178 | Q250 | 8488.00 | 802.20 | 818.63 |
| Hock | 9228.178 | Q500 | 10067.00 | 802.20 | 819.86 |
| Hock | 8948.921 | Q005 | 1506.00 | 802.30 | 809.57 |
| Hock | 8948.921 | Q010 | 2474.00 | 802.30 | 812.03 |
| Hock | 8948.921 | Q025 | 4000.00 | 802.30 | 814.76 |
| Hock | 8948.921 | Q050 | 5273.00 | 802.30 | 816.13 |

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|------|----------|------|----------|--------|--------|
| Hock | 8948.921 | Q100 | 6643.00 | 802.30 | 817.40 |
| Hock | 8948.921 | Q200 | 8050.00 | 802.30 | 818.26 |
| Hock | 8948.921 | Q250 | 8488.00 | 802.30 | 818.63 |
| Hock | 8948.921 | Q500 | 10067.00 | 802.30 | 819.86 |
| Hock | 8690.031 | Q005 | 1506.00 | 801.60 | 809.54 |
| Hock | 8690.031 | Q010 | 2474.00 | 801.60 | 812.01 |
| Hock | 8690.031 | Q025 | 4000.00 | 801.60 | 814.74 |
| Hock | 8690.031 | Q050 | 5273.00 | 801.60 | 816.12 |
| Hock | 8690.031 | Q100 | 6643.00 | 801.60 | 817.40 |
| Hock | 8690.031 | Q200 | 8050.00 | 801.60 | 818.25 |
| Hock | 8690.031 | Q250 | 8488.00 | 801.60 | 818.62 |
| Hock | 8690.031 | Q500 | 10067.00 | 801.60 | 819.85 |
| Hock | 8438.305 | Q005 | 1506.00 | 800.80 | 809.38 |
| Hock | 8438.305 | Q010 | 2474.00 | 800.80 | 811.79 |
| Hock | 8438.305 | Q025 | 4000.00 | 800.80 | 814.48 |
| Hock | 8438.305 | Q050 | 5273.00 | 800.80 | 816.11 |
| Hock | 8438.305 | Q100 | 6643.00 | 800.80 | 817.40 |
| Hock | 8438.305 | Q200 | 8050.00 | 800.80 | 818.25 |
| Hock | 8438.305 | Q250 | 8488.00 | 800.80 | 818.62 |
| Hock | 8438.305 | Q500 | 10067.00 | 800.80 | 819.85 |
| Hock | 8187.591 | Q005 | 1506.00 | 800.10 | 809.23 |
| Hock | 8187.591 | Q010 | 2474.00 | 800.10 | 811.60 |

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|------|----------|------|----------|--------|--------|
| Hock | 8187.591 | Q025 | 4000.00 | 800.10 | 814.16 |
| Hock | 8187.591 | Q050 | 5273.00 | 800.10 | 815.38 |
| Hock | 8187.591 | Q100 | 6643.00 | 800.10 | 816.42 |
| Hock | 8187.591 | Q200 | 8050.00 | 800.10 | 818.22 |
| Hock | 8187.591 | Q250 | 8488.00 | 800.10 | 818.60 |
| Hock | 8187.591 | Q500 | 10067.00 | 800.10 | 819.83 |
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| Hock | 8045.260 | Q005 | 1506.00 | 800.80 | 809.16 |
| Hock | 8045.260 | Q010 | 2474.00 | 800.80 | 811.55 |
| Hock | 8045.260 | Q025 | 4000.00 | 800.80 | 814.15 |
| Hock | 8045.260 | Q050 | 5273.00 | 800.80 | 815.41 |
| Hock | 8045.260 | Q100 | 6643.00 | 800.80 | 816.48 |
| Hock | 8045.260 | Q200 | 8050.00 | 800.80 | 818.13 |
| Hock | 8045.260 | Q250 | 8488.00 | 800.80 | 818.52 |
| Hock | 8045.260 | Q500 | 10067.00 | 800.80 | 819.77 |
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| Hock | 8029 | | Bridge | | |
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| Hock | 7980.945 | Q005 | 1506.00 | 800.80 | 809.09 |
| Hock | 7980.945 | Q010 | 2474.00 | 800.80 | 811.48 |
| Hock | 7980.945 | Q025 | 4000.00 | 800.80 | 814.07 |
| Hock | 7980.945 | Q050 | 5273.00 | 800.80 | 815.29 |
| Hock | 7980.945 | Q100 | 6643.00 | 800.80 | 816.06 |
| Hock | 7980.945 | Q200 | 8050.00 | 800.80 | 818.03 |
| Hock | 7980.945 | Q250 | 8488.00 | 800.80 | 818.43 |

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|------|----------|------|----------|--------|--------|
| Hock | 7980.945 | Q500 | 10067.00 | 800.80 | 819.72 |
| Hock | 7860.190 | Q005 | 1506.00 | 799.60 | 809.00 |
| Hock | 7860.190 | Q010 | 2474.00 | 799.60 | 811.37 |
| Hock | 7860.190 | Q025 | 4000.00 | 799.60 | 813.91 |
| Hock | 7860.190 | Q050 | 5273.00 | 799.60 | 815.06 |
| Hock | 7860.190 | Q100 | 6643.00 | 799.60 | 815.92 |
| Hock | 7860.190 | Q200 | 8050.00 | 799.60 | 816.90 |
| Hock | 7860.190 | Q250 | 8488.00 | 799.60 | 817.27 |
| Hock | 7860.190 | Q500 | 10067.00 | 799.60 | 818.53 |
| Hock | 7627.149 | Q005 | 1506.00 | 799.40 | 808.90 |
| Hock | 7627.149 | Q010 | 2474.00 | 799.40 | 811.25 |
| Hock | 7627.149 | Q025 | 4000.00 | 799.40 | 813.76 |
| Hock | 7627.149 | Q050 | 5273.00 | 799.40 | 814.87 |
| Hock | 7627.149 | Q100 | 6643.00 | 799.40 | 815.66 |
| Hock | 7627.149 | Q200 | 8050.00 | 799.40 | 816.54 |
| Hock | 7627.149 | Q250 | 8488.00 | 799.40 | 816.87 |
| Hock | 7627.149 | Q500 | 10067.00 | 799.40 | 817.94 |
| Hock | 7393.240 | Q005 | 1506.00 | 799.10 | 808.76 |
| Hock | 7393.240 | Q010 | 2474.00 | 799.10 | 811.09 |
| Hock | 7393.240 | Q025 | 4000.00 | 799.10 | 813.55 |
| Hock | 7393.240 | Q050 | 5273.00 | 799.10 | 814.56 |
| Hock | 7393.240 | Q100 | 6643.00 | 799.10 | 815.24 |

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| Hock | 7393.240 | Q200 | 8050.00 | 799.10 | 816.09 |
| Hock | 7393.240 | Q250 | 8488.00 | 799.10 | 816.46 |
| Hock | 7393.240 | Q500 | 10067.00 | 799.10 | 817.64 |
| Hock | 7298.741 | Q005 | 1506.00 | 799.00 | 808.69 |
| Hock | 7298.741 | Q010 | 2474.00 | 799.00 | 811.03 |
| Hock | 7298.741 | Q025 | 4000.00 | 799.00 | 813.50 |
| Hock | 7298.741 | Q050 | 5273.00 | 799.00 | 814.52 |
| Hock | 7298.741 | Q100 | 6643.00 | 799.00 | 815.19 |
| Hock | 7298.741 | Q200 | 8050.00 | 799.00 | 816.03 |
| Hock | 7298.741 | Q250 | 8488.00 | 799.00 | 816.37 |
| Hock | 7298.741 | Q500 | 10067.00 | 799.00 | 817.45 |
| Hock | 7289 | | Bridge | | |
| Hock | 7239.249 | Q005 | 1506.00 | 799.00 | 808.62 |
| Hock | 7239.249 | Q010 | 2474.00 | 799.00 | 810.94 |
| Hock | 7239.249 | Q025 | 4000.00 | 799.00 | 813.39 |
| Hock | 7239.249 | Q050 | 5273.00 | 799.00 | 814.37 |
| Hock | 7239.249 | Q100 | 6643.00 | 799.00 | 814.98 |
| Hock | 7239.249 | Q200 | 8050.00 | 799.00 | 815.78 |
| Hock | 7239.249 | Q250 | 8488.00 | 799.00 | 816.13 |
| Hock | 7239.249 | Q500 | 10067.00 | 799.00 | 817.18 |
| Hock | 7107.016 | Q005 | 1506.00 | 799.20 | 808.54 |

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|------|----------|------|----------|--------|--------|
| Hock | 7107.016 | Q010 | 2474.00 | 799.20 | 810.84 |
| Hock | 7107.016 | Q025 | 4000.00 | 799.20 | 813.23 |
| Hock | 7107.016 | Q050 | 5273.00 | 799.20 | 814.12 |
| Hock | 7107.016 | Q100 | 6643.00 | 799.20 | 815.30 |
| Hock | 7107.016 | Q200 | 8050.00 | 799.20 | 816.21 |
| Hock | 7107.016 | Q250 | 8488.00 | 799.20 | 816.59 |
| Hock | 7107.016 | Q500 | 10067.00 | 799.20 | 817.74 |
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| Hock | 6846.551 | Q005 | 1506.00 | 799.20 | 808.34 |
| Hock | 6846.551 | Q010 | 2474.00 | 799.20 | 810.66 |
| Hock | 6846.551 | Q025 | 4000.00 | 799.20 | 813.19 |
| Hock | 6846.551 | Q050 | 5273.00 | 799.20 | 814.46 |
| Hock | 6846.551 | Q100 | 6643.00 | 799.20 | 815.28 |
| Hock | 6846.551 | Q200 | 8050.00 | 799.20 | 816.20 |
| Hock | 6846.551 | Q250 | 8488.00 | 799.20 | 816.58 |
| Hock | 6846.551 | Q500 | 10067.00 | 799.20 | 817.73 |
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| Hock | 6587.279 | Q005 | 1506.00 | 799.10 | 808.20 |
| Hock | 6587.279 | Q010 | 2474.00 | 799.10 | 810.51 |
| Hock | 6587.279 | Q025 | 4000.00 | 799.10 | 812.99 |
| Hock | 6587.279 | Q050 | 5273.00 | 799.10 | 814.45 |
| Hock | 6587.279 | Q100 | 6643.00 | 799.10 | 815.27 |
| Hock | 6587.279 | Q200 | 8050.00 | 799.10 | 816.19 |
| Hock | 6587.279 | Q250 | 8488.00 | 799.10 | 816.56 |
| Hock | 6587.279 | Q500 | 10067.00 | 799.10 | 817.72 |

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|------|----------|------|----------|--------|--------|
| Hock | 6330.769 | Q005 | 1506.00 | 799.10 | 808.02 |
| Hock | 6330.769 | Q010 | 2474.00 | 799.10 | 810.43 |
| Hock | 6330.769 | Q025 | 4000.00 | 799.10 | 812.99 |
| Hock | 6330.769 | Q050 | 5273.00 | 799.10 | 814.44 |
| Hock | 6330.769 | Q100 | 6643.00 | 799.10 | 815.25 |
| Hock | 6330.769 | Q200 | 8050.00 | 799.10 | 816.17 |
| Hock | 6330.769 | Q250 | 8488.00 | 799.10 | 816.55 |
| Hock | 6330.769 | Q500 | 10067.00 | 799.10 | 817.70 |
| Hock | 6048.223 | Q005 | 1506.00 | 799.00 | 807.87 |
| Hock | 6048.223 | Q010 | 2474.00 | 799.00 | 810.22 |
| Hock | 6048.223 | Q025 | 4000.00 | 799.00 | 812.75 |
| Hock | 6048.223 | Q050 | 5273.00 | 799.00 | 814.15 |
| Hock | 6048.223 | Q100 | 6643.00 | 799.00 | 814.96 |
| Hock | 6048.223 | Q200 | 8050.00 | 799.00 | 815.92 |
| Hock | 6048.223 | Q250 | 8488.00 | 799.00 | 816.43 |
| Hock | 6048.223 | Q500 | 10067.00 | 799.00 | 817.62 |
| Hock | 5968.066 | Q005 | 1626.00 | 798.20 | 807.59 |
| Hock | 5968.066 | Q010 | 2659.00 | 798.20 | 809.83 |
| Hock | 5968.066 | Q025 | 4275.00 | 798.20 | 812.74 |
| Hock | 5968.066 | Q050 | 5626.00 | 798.20 | 814.18 |
| Hock | 5968.066 | Q100 | 7084.00 | 798.20 | 815.00 |
| Hock | 5968.066 | Q200 | 8584.00 | 798.20 | 815.96 |

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|------|----------|------|----------|--------|--------|
| Hock | 5968.066 | Q250 | 9050.00 | 798.20 | 816.42 |
| Hock | 5968.066 | Q500 | 10735.00 | 798.20 | 817.61 |
| Hock | 5948.207 | Q005 | 1626.00 | 798.20 | 807.59 |
| Hock | 5948.207 | Q010 | 2659.00 | 798.20 | 809.83 |
| Hock | 5948.207 | Q025 | 4275.00 | 798.20 | 812.38 |
| Hock | 5948.207 | Q050 | 5626.00 | 798.20 | 813.98 |
| Hock | 5948.207 | Q100 | 7084.00 | 798.20 | 814.86 |
| Hock | 5948.207 | Q200 | 8584.00 | 798.20 | 815.89 |
| Hock | 5948.207 | Q250 | 9050.00 | 798.20 | 816.35 |
| Hock | 5948.207 | Q500 | 10735.00 | 798.20 | 817.58 |
| Hock | 5872.962 | Q005 | 1626.00 | 798.90 | 807.54 |
| Hock | 5872.962 | Q010 | 2659.00 | 798.90 | 809.79 |
| Hock | 5872.962 | Q025 | 4275.00 | 798.90 | 812.37 |
| Hock | 5872.962 | Q050 | 5626.00 | 798.90 | 813.99 |
| Hock | 5872.962 | Q100 | 7084.00 | 798.90 | 814.86 |
| Hock | 5872.962 | Q200 | 8584.00 | 798.90 | 815.88 |
| Hock | 5872.962 | Q250 | 9050.00 | 798.90 | 816.34 |
| Hock | 5872.962 | Q500 | 10735.00 | 798.90 | 817.57 |
| Hock | 5617.072 | Q005 | 1626.00 | 798.70 | 807.39 |
| Hock | 5617.072 | Q010 | 2659.00 | 798.70 | 809.63 |
| Hock | 5617.072 | Q025 | 4275.00 | 798.70 | 812.17 |
| Hock | 5617.072 | Q050 | 5626.00 | 798.70 | 813.70 |

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|------|----------|------|----------|--------|--------|
| Hock | 5617.072 | Q100 | 7084.00 | 798.70 | 814.73 |
| Hock | 5617.072 | Q200 | 8584.00 | 798.70 | 815.79 |
| Hock | 5617.072 | Q250 | 9050.00 | 798.70 | 816.26 |
| Hock | 5617.072 | Q500 | 10735.00 | 798.70 | 817.51 |
| Hock | 5379.276 | Q005 | 1626.00 | 798.50 | 807.25 |
| Hock | 5379.276 | Q010 | 2659.00 | 798.50 | 809.49 |
| Hock | 5379.276 | Q025 | 4275.00 | 798.50 | 811.91 |
| Hock | 5379.276 | Q050 | 5626.00 | 798.50 | 813.25 |
| Hock | 5379.276 | Q100 | 7084.00 | 798.50 | 813.88 |
| Hock | 5379.276 | Q200 | 8584.00 | 798.50 | 814.63 |
| Hock | 5379.276 | Q250 | 9050.00 | 798.50 | 815.06 |
| Hock | 5379.276 | Q500 | 10735.00 | 798.50 | 816.09 |
| Hock | 5312.154 | Q005 | 1626.00 | 798.40 | 807.22 |
| Hock | 5312.154 | Q010 | 2659.00 | 798.40 | 809.46 |
| Hock | 5312.154 | Q025 | 4275.00 | 798.40 | 811.87 |
| Hock | 5312.154 | Q050 | 5626.00 | 798.40 | 813.17 |
| Hock | 5312.154 | Q100 | 7084.00 | 798.40 | 813.77 |
| Hock | 5312.154 | Q200 | 8584.00 | 798.40 | 814.53 |
| Hock | 5312.154 | Q250 | 9050.00 | 798.40 | 814.98 |
| Hock | 5312.154 | Q500 | 10735.00 | 798.40 | 816.00 |
| Hock | 5253.910 | Q005 | 1626.00 | 798.20 | 807.20 |
| Hock | 5253.910 | Q010 | 2659.00 | 798.20 | 809.44 |

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|------|----------|------|----------|--------|--------|
| Hock | 5253.910 | Q025 | 4275.00 | 798.20 | 811.86 |
| Hock | 5253.910 | Q050 | 5626.00 | 798.20 | 813.19 |
| Hock | 5253.910 | Q100 | 7084.00 | 798.20 | 813.80 |
| Hock | 5253.910 | Q200 | 8584.00 | 798.20 | 814.57 |
| Hock | 5253.910 | Q250 | 9050.00 | 798.20 | 815.02 |
| Hock | 5253.910 | Q500 | 10735.00 | 798.20 | 816.07 |
| Hock | 5243 | | Bridge | | |
| Hock | 5194.030 | Q005 | 1626.00 | 798.20 | 807.15 |
| Hock | 5194.030 | Q010 | 2659.00 | 798.20 | 809.37 |
| Hock | 5194.030 | Q025 | 4275.00 | 798.20 | 811.77 |
| Hock | 5194.030 | Q050 | 5626.00 | 798.20 | 813.05 |
| Hock | 5194.030 | Q100 | 7084.00 | 798.20 | 813.58 |
| Hock | 5194.030 | Q200 | 8584.00 | 798.20 | 814.26 |
| Hock | 5194.030 | Q250 | 9050.00 | 798.20 | 814.69 |
| Hock | 5194.030 | Q500 | 10735.00 | 798.20 | 815.67 |
| Hock | 5134.394 | Q005 | 1626.00 | 794.00 | 807.10 |
| Hock | 5134.394 | Q010 | 2659.00 | 794.00 | 809.28 |
| Hock | 5134.394 | Q025 | 4275.00 | 794.00 | 811.60 |
| Hock | 5134.394 | Q050 | 5626.00 | 794.00 | 812.80 |
| Hock | 5134.394 | Q100 | 7084.00 | 794.00 | 813.18 |
| Hock | 5134.394 | Q200 | 8584.00 | 794.00 | 814.72 |
| Hock | 5134.394 | Q250 | 9050.00 | 794.00 | 815.17 |

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|------|----------|------|----------|--------|--------|
| Hock | 5134.394 | Q500 | 10735.00 | 794.00 | 816.24 |
| Hock | 4836.698 | Q005 | 1626.00 | 795.70 | 807.06 |
| Hock | 4836.698 | Q010 | 2659.00 | 795.70 | 809.24 |
| Hock | 4836.698 | Q025 | 4275.00 | 795.70 | 811.56 |
| Hock | 4836.698 | Q050 | 5626.00 | 795.70 | 812.75 |
| Hock | 4836.698 | Q100 | 7084.00 | 795.70 | 813.85 |
| Hock | 4836.698 | Q200 | 8584.00 | 795.70 | 814.72 |
| Hock | 4836.698 | Q250 | 9050.00 | 795.70 | 815.16 |
| Hock | 4836.698 | Q500 | 10735.00 | 795.70 | 816.24 |
| Hock | 4542.354 | Q005 | 1626.00 | 797.30 | 806.89 |
| Hock | 4542.354 | Q010 | 2659.00 | 797.30 | 809.01 |
| Hock | 4542.354 | Q025 | 4275.00 | 797.30 | 811.22 |
| Hock | 4542.354 | Q050 | 5626.00 | 797.30 | 812.81 |
| Hock | 4542.354 | Q100 | 7084.00 | 797.30 | 813.65 |
| Hock | 4542.354 | Q200 | 8584.00 | 797.30 | 814.51 |
| Hock | 4542.354 | Q250 | 9050.00 | 797.30 | 814.97 |
| Hock | 4542.354 | Q500 | 10735.00 | 797.30 | 816.05 |
| Hock | 4491.738 | Q005 | 1626.00 | 797.10 | 806.87 |
| Hock | 4491.738 | Q010 | 2659.00 | 797.10 | 808.99 |
| Hock | 4491.738 | Q025 | 4275.00 | 797.10 | 811.22 |
| Hock | 4491.738 | Q050 | 5626.00 | 797.10 | 812.32 |
| Hock | 4491.738 | Q100 | 7084.00 | 797.10 | 812.90 |

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|------|----------|------|----------|--------|--------|
| Hock | 4491.738 | Q200 | 8584.00 | 797.10 | 813.47 |
| Hock | 4491.738 | Q250 | 9050.00 | 797.10 | 813.88 |
| Hock | 4491.738 | Q500 | 10735.00 | 797.10 | 814.67 |
| Hock | 4480 | | Bridge | | |
| Hock | 4423.693 | Q005 | 1626.00 | 797.10 | 806.84 |
| Hock | 4423.693 | Q010 | 2659.00 | 797.10 | 808.96 |
| Hock | 4423.693 | Q025 | 4275.00 | 797.10 | 811.14 |
| Hock | 4423.693 | Q050 | 5626.00 | 797.10 | 812.18 |
| Hock | 4423.693 | Q100 | 7084.00 | 797.10 | 812.68 |
| Hock | 4423.693 | Q200 | 8584.00 | 797.10 | 813.14 |
| Hock | 4423.693 | Q250 | 9050.00 | 797.10 | 813.52 |
| Hock | 4423.693 | Q500 | 10735.00 | 797.10 | 814.18 |
| Hock | 4385.159 | Q005 | 1626.00 | 796.80 | 806.76 |
| Hock | 4385.159 | Q010 | 2659.00 | 796.80 | 808.83 |
| Hock | 4385.159 | Q025 | 4275.00 | 796.80 | 810.94 |
| Hock | 4385.159 | Q050 | 5626.00 | 796.80 | 811.89 |
| Hock | 4385.159 | Q100 | 7084.00 | 796.80 | 812.22 |
| Hock | 4385.159 | Q200 | 8584.00 | 796.80 | 812.42 |
| Hock | 4385.159 | Q250 | 9050.00 | 796.80 | 812.77 |
| Hock | 4385.159 | Q500 | 10735.00 | 796.80 | 813.03 |
| Hock | 4129.430 | Q005 | 1626.00 | 796.90 | 806.62 |

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|------|----------|------|----------|--------|--------|
| Hock | 4129.430 | Q010 | 2659.00 | 796.90 | 808.65 |
| Hock | 4129.430 | Q025 | 4275.00 | 796.90 | 810.68 |
| Hock | 4129.430 | Q050 | 5626.00 | 796.90 | 811.52 |
| Hock | 4129.430 | Q100 | 7084.00 | 796.90 | 811.60 |
| Hock | 4129.430 | Q200 | 8584.00 | 796.90 | 811.61 |
| Hock | 4129.430 | Q250 | 9050.00 | 796.90 | 811.63 |
| Hock | 4129.430 | Q500 | 10735.00 | 796.90 | 814.69 |
| Hock | 3869.379 | Q005 | 1626.00 | 797.10 | 806.49 |
| Hock | 3869.379 | Q010 | 2659.00 | 797.10 | 808.48 |
| Hock | 3869.379 | Q025 | 4275.00 | 797.10 | 810.44 |
| Hock | 3869.379 | Q050 | 5626.00 | 797.10 | 811.19 |
| Hock | 3869.379 | Q100 | 7084.00 | 797.10 | 812.40 |
| Hock | 3869.379 | Q200 | 8584.00 | 797.10 | 812.59 |
| Hock | 3869.379 | Q250 | 9050.00 | 797.10 | 812.97 |
| Hock | 3869.379 | Q500 | 10735.00 | 797.10 | 814.69 |
| Hock | 3606.907 | Q005 | 1626.00 | 797.20 | 806.39 |
| Hock | 3606.907 | Q010 | 2659.00 | 797.20 | 808.36 |
| Hock | 3606.907 | Q025 | 4275.00 | 797.20 | 810.28 |
| Hock | 3606.907 | Q050 | 5626.00 | 797.20 | 810.96 |
| Hock | 3606.907 | Q100 | 7084.00 | 797.20 | 812.39 |
| Hock | 3606.907 | Q200 | 8584.00 | 797.20 | 812.57 |
| Hock | 3606.907 | Q250 | 9050.00 | 797.20 | 812.95 |
| Hock | 3606.907 | Q500 | 10735.00 | 797.20 | 814.66 |

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|------|----------|------|----------|--------|--------|
| Hock | 3317.477 | Q005 | 1626.00 | 797.40 | 806.23 |
| Hock | 3317.477 | Q010 | 2659.00 | 797.40 | 808.13 |
| Hock | 3317.477 | Q025 | 4275.00 | 797.40 | 809.91 |
| Hock | 3317.477 | Q050 | 5626.00 | 797.40 | 811.22 |
| Hock | 3317.477 | Q100 | 7084.00 | 797.40 | 812.17 |
| Hock | 3317.477 | Q200 | 8584.00 | 797.40 | 812.26 |
| Hock | 3317.477 | Q250 | 9050.00 | 797.40 | 812.63 |
| Hock | 3317.477 | Q500 | 10735.00 | 797.40 | 814.30 |
| Hock | 3092.223 | Q005 | 1626.00 | 797.50 | 806.13 |
| Hock | 3092.223 | Q010 | 2659.00 | 797.50 | 808.02 |
| Hock | 3092.223 | Q025 | 4275.00 | 797.50 | 809.77 |
| Hock | 3092.223 | Q050 | 5626.00 | 797.50 | 810.48 |
| Hock | 3092.223 | Q100 | 7084.00 | 797.50 | 811.23 |
| Hock | 3092.223 | Q200 | 8584.00 | 797.50 | 811.24 |
| Hock | 3092.223 | Q250 | 9050.00 | 797.50 | 811.25 |
| Hock | 3092.223 | Q500 | 10735.00 | 797.50 | 813.29 |
| Hock | 2834.305 | Q005 | 2749.00 | 797.20 | 805.60 |
| Hock | 2834.305 | Q010 | 3890.00 | 797.20 | 807.46 |
| Hock | 2834.305 | Q025 | 5985.00 | 797.20 | 808.85 |
| Hock | 2834.305 | Q050 | 7764.00 | 797.20 | 808.92 |
| Hock | 2834.305 | Q100 | 9673.00 | 797.20 | 808.93 |
| Hock | 2834.305 | Q200 | 11630.00 | 797.20 | 811.06 |

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|------|----------|------|----------|--------|--------|
| Hock | 2834.305 | Q250 | 12214.00 | 797.20 | 811.51 |
| Hock | 2834.305 | Q500 | 14427.00 | 797.20 | 813.73 |
| Hock | 2567.872 | Q005 | 2749.00 | 796.80 | 805.35 |
| Hock | 2567.872 | Q010 | 3890.00 | 796.80 | 807.23 |
| Hock | 2567.872 | Q025 | 5985.00 | 796.80 | 808.50 |
| Hock | 2567.872 | Q050 | 7764.00 | 796.80 | 810.03 |
| Hock | 2567.872 | Q100 | 9673.00 | 796.80 | 810.14 |
| Hock | 2567.872 | Q200 | 11630.00 | 796.80 | 811.26 |
| Hock | 2567.872 | Q250 | 12214.00 | 796.80 | 811.68 |
| Hock | 2567.872 | Q500 | 14427.00 | 796.80 | 813.82 |
| Hock | 2314.795 | Q005 | 2749.00 | 796.50 | 805.09 |
| Hock | 2314.795 | Q010 | 3890.00 | 796.50 | 806.97 |
| Hock | 2314.795 | Q025 | 5985.00 | 796.50 | 808.19 |
| Hock | 2314.795 | Q050 | 7764.00 | 796.50 | 810.02 |
| Hock | 2314.795 | Q100 | 9673.00 | 796.50 | 810.12 |
| Hock | 2314.795 | Q200 | 11630.00 | 796.50 | 811.25 |
| Hock | 2314.795 | Q250 | 12214.00 | 796.50 | 811.66 |
| Hock | 2314.795 | Q500 | 14427.00 | 796.50 | 813.81 |
| Hock | 2027.006 | Q005 | 2749.00 | 796.20 | 804.75 |
| Hock | 2027.006 | Q010 | 3890.00 | 796.20 | 806.64 |
| Hock | 2027.006 | Q025 | 5985.00 | 796.20 | 807.89 |
| Hock | 2027.006 | Q050 | 7764.00 | 796.20 | 809.24 |

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|------|----------|------|----------|--------|--------|
| Hock | 2027.006 | Q100 | 9673.00 | 796.20 | 810.09 |
| Hock | 2027.006 | Q200 | 11630.00 | 796.20 | 811.22 |
| Hock | 2027.006 | Q250 | 12214.00 | 796.20 | 811.63 |
| Hock | 2027.006 | Q500 | 14427.00 | 796.20 | 813.79 |
| Hock | 1742.875 | Q005 | 2749.00 | 795.80 | 804.55 |
| Hock | 1742.875 | Q010 | 3890.00 | 795.80 | 806.47 |
| Hock | 1742.875 | Q025 | 5985.00 | 795.80 | 807.76 |
| Hock | 1742.875 | Q050 | 7764.00 | 795.80 | 809.14 |
| Hock | 1742.875 | Q100 | 9673.00 | 795.80 | 810.06 |
| Hock | 1742.875 | Q200 | 11630.00 | 795.80 | 811.19 |
| Hock | 1742.875 | Q250 | 12214.00 | 795.80 | 811.61 |
| Hock | 1742.875 | Q500 | 14427.00 | 795.80 | 813.77 |
| Hock | 1482.146 | Q005 | 2749.00 | 795.40 | 804.27 |
| Hock | 1482.146 | Q010 | 3890.00 | 795.40 | 806.16 |
| Hock | 1482.146 | Q025 | 5985.00 | 795.40 | 807.45 |
| Hock | 1482.146 | Q050 | 7764.00 | 795.40 | 808.85 |
| Hock | 1482.146 | Q100 | 9673.00 | 795.40 | 809.38 |
| Hock | 1482.146 | Q200 | 11630.00 | 795.40 | 811.18 |
| Hock | 1482.146 | Q250 | 12214.00 | 795.40 | 811.60 |
| Hock | 1482.146 | Q500 | 14427.00 | 795.40 | 813.77 |
| Hock | 1224.459 | Q005 | 2749.00 | 795.10 | 804.01 |
| Hock | 1224.459 | Q010 | 3890.00 | 795.10 | 805.88 |

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|------|----------|------|----------|--------|--------|
| Hock | 1224.459 | Q025 | 5985.00 | 795.10 | 807.07 |
| Hock | 1224.459 | Q050 | 7764.00 | 795.10 | 809.10 |
| Hock | 1224.459 | Q100 | 9673.00 | 795.10 | 809.72 |
| Hock | 1224.459 | Q200 | 11630.00 | 795.10 | 811.16 |
| Hock | 1224.459 | Q250 | 12214.00 | 795.10 | 811.58 |
| Hock | 1224.459 | Q500 | 14427.00 | 795.10 | 813.76 |
| Hock | 981.918 | Q005 | 2749.00 | 794.80 | 803.84 |
| Hock | 981.918 | Q010 | 3890.00 | 794.80 | 805.72 |
| Hock | 981.918 | Q025 | 5985.00 | 794.80 | 806.93 |
| Hock | 981.918 | Q050 | 7764.00 | 794.80 | 808.61 |
| Hock | 981.918 | Q100 | 9673.00 | 794.80 | 809.67 |
| Hock | 981.918 | Q200 | 11630.00 | 794.80 | 811.13 |
| Hock | 981.918 | Q250 | 12214.00 | 794.80 | 811.55 |
| Hock | 981.918 | Q500 | 14427.00 | 794.80 | 813.74 |
| Hock | 750.570 | Q005 | 2749.00 | 794.40 | 803.51 |
| Hock | 750.570 | Q010 | 3890.00 | 794.40 | 805.36 |
| Hock | 750.570 | Q025 | 5985.00 | 794.40 | 805.82 |
| Hock | 750.570 | Q050 | 7764.00 | 794.40 | 808.38 |
| Hock | 750.570 | Q100 | 9673.00 | 794.40 | 809.65 |
| Hock | 750.570 | Q200 | 11630.00 | 794.40 | 811.11 |
| Hock | 750.570 | Q250 | 12214.00 | 794.40 | 811.54 |
| Hock | 750.570 | Q500 | 14427.00 | 794.40 | 813.73 |

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|------|---------|------|----------|--------|--------|
| Hock | 523.096 | Q005 | 2749.00 | 794.10 | 803.36 |
| Hock | 523.096 | Q010 | 3890.00 | 794.10 | 805.22 |
| Hock | 523.096 | Q025 | 5985.00 | 794.10 | 805.49 |
| Hock | 523.096 | Q050 | 7764.00 | 794.10 | 808.13 |
| Hock | 523.096 | Q100 | 9673.00 | 794.10 | 809.64 |
| Hock | 523.096 | Q200 | 11630.00 | 794.10 | 811.11 |
| Hock | 523.096 | Q250 | 12214.00 | 794.10 | 811.53 |
| Hock | 523.096 | Q500 | 14427.00 | 794.10 | 813.72 |
| | | | | | |
| Hock | 292.661 | Q005 | 2749.00 | 793.80 | 803.03 |
| Hock | 292.661 | Q010 | 3890.00 | 793.80 | 804.96 |
| Hock | 292.661 | Q025 | 5985.00 | 793.80 | 804.97 |
| Hock | 292.661 | Q050 | 7764.00 | 793.80 | 807.35 |
| Hock | 292.661 | Q100 | 9673.00 | 793.80 | 809.63 |
| Hock | 292.661 | Q200 | 11630.00 | 793.80 | 811.09 |
| Hock | 292.661 | Q250 | 12214.00 | 793.80 | 811.52 |
| Hock | 292.661 | Q500 | 14427.00 | 793.80 | 813.72 |
| | | | | | |
| Hock | 228.314 | Q005 | 2749.00 | 792.00 | 803.03 |
| Hock | 228.314 | Q010 | 3890.00 | 792.00 | 804.94 |
| Hock | 228.314 | Q025 | 5985.00 | 792.00 | 804.97 |
| Hock | 228.314 | Q050 | 7764.00 | 792.00 | 807.91 |
| Hock | 228.314 | Q100 | 9673.00 | 792.00 | 809.59 |
| Hock | 228.314 | Q200 | 11630.00 | 792.00 | 811.07 |
| Hock | 228.314 | Q250 | 12214.00 | 792.00 | 811.50 |

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|------|---------|------|----------|--------|--------|
| Hock | 228.314 | Q500 | 14427.00 | 792.00 | 813.71 |
| Hock | 218 | | Bridge | | |
| Hock | 168.464 | Q005 | 2749.00 | 792.00 | 802.96 |
| Hock | 168.464 | Q010 | 3890.00 | 792.00 | 804.88 |
| Hock | 168.464 | Q025 | 5985.00 | 792.00 | 804.89 |
| Hock | 168.464 | Q050 | 7764.00 | 792.00 | 806.23 |
| Hock | 168.464 | Q100 | 9673.00 | 792.00 | 809.29 |
| Hock | 168.464 | Q200 | 11630.00 | 792.00 | 810.97 |
| Hock | 168.464 | Q250 | 12214.00 | 792.00 | 811.42 |
| Hock | 168.464 | Q500 | 14427.00 | 792.00 | 813.68 |
| Hock | 98.008 | Q005 | 2588.00 | 792.60 | 802.70 |
| Hock | 98.008 | Q010 | 3704.00 | 792.60 | 804.55 |
| Hock | 98.008 | Q025 | 5755.00 | 792.60 | 804.56 |
| Hock | 98.008 | Q050 | 7477.00 | 792.60 | 804.57 |
| Hock | 98.008 | Q100 | 9333.00 | 792.60 | 804.58 |
| Hock | 98.008 | Q200 | 11238.00 | 792.60 | 805.33 |
| Hock | 98.008 | Q250 | 11812.00 | 792.60 | 805.73 |
| Hock | 98.008 | Q500 | 13971.00 | 792.60 | 805.76 |

Profile Output Table - HEC-FDA

HEC-RAS Plan: HunRun_WithDam River: Hunters Run Reach: 1

Rivers = 1
 # Hydraulic Reaches = 1
 # River Stations = 247
 # Plans = 1
 # Profiles = 8

| Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) |
|-------|-----------|---------|------------------|-------------------|-------------------|
| 1 | 37625.10 | Q005 | 70.00 | 964.20 | 965.33 |
| 1 | 37625.10 | Q010 | 73.00 | 964.20 | 965.35 |
| 1 | 37625.10 | Q025 | 78.00 | 964.20 | 965.40 |
| 1 | 37625.10 | Q050 | 80.00 | 964.20 | 965.42 |
| 1 | 37625.10 | Q100 | 83.00 | 964.20 | 965.44 |
| 1 | 37625.10 | Q200 | 85.00 | 964.20 | 965.46 |
| 1 | 37625.10 | Q250 | 86.00 | 964.20 | 965.47 |
| 1 | 37625.10 | Q500 | 87.00 | 964.20 | 965.48 |
| 1 | 37518.92 | Q005 | 70.00 | 963.30 | 964.46 |
| 1 | 37518.92 | Q010 | 73.00 | 963.30 | 964.49 |
| 1 | 37518.92 | Q025 | 78.00 | 963.30 | 964.53 |
| 1 | 37518.92 | Q050 | 80.00 | 963.30 | 964.55 |
| 1 | 37518.92 | Q100 | 83.00 | 963.30 | 964.58 |
| 1 | 37518.92 | Q200 | 85.00 | 963.30 | 964.59 |
| 1 | 37518.92 | Q250 | 86.00 | 963.30 | 964.60 |
| 1 | 37518.92 | Q500 | 87.00 | 963.30 | 964.61 |

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|---|----------|------|-------|--------|--------|
| 1 | 37433.99 | Q005 | 70.00 | 962.80 | 963.83 |
| 1 | 37433.99 | Q010 | 73.00 | 962.80 | 963.86 |
| 1 | 37433.99 | Q025 | 78.00 | 962.80 | 963.90 |
| 1 | 37433.99 | Q050 | 80.00 | 962.80 | 963.92 |
| 1 | 37433.99 | Q100 | 83.00 | 962.80 | 963.94 |
| 1 | 37433.99 | Q200 | 85.00 | 962.80 | 963.96 |
| 1 | 37433.99 | Q250 | 86.00 | 962.80 | 963.97 |
| 1 | 37433.99 | Q500 | 87.00 | 962.80 | 963.98 |
| 1 | 37335.41 | Q005 | 70.00 | 962.00 | 963.08 |
| 1 | 37335.41 | Q010 | 73.00 | 962.00 | 963.11 |
| 1 | 37335.41 | Q025 | 78.00 | 962.00 | 963.15 |
| 1 | 37335.41 | Q050 | 80.00 | 962.00 | 963.17 |
| 1 | 37335.41 | Q100 | 83.00 | 962.00 | 963.19 |
| 1 | 37335.41 | Q200 | 85.00 | 962.00 | 963.21 |
| 1 | 37335.41 | Q250 | 86.00 | 962.00 | 963.22 |
| 1 | 37335.41 | Q500 | 87.00 | 962.00 | 963.23 |
| 1 | 37217.94 | Q005 | 70.00 | 961.20 | 962.22 |
| 1 | 37217.94 | Q010 | 73.00 | 961.20 | 962.24 |
| 1 | 37217.94 | Q025 | 78.00 | 961.20 | 962.29 |
| 1 | 37217.94 | Q050 | 80.00 | 961.20 | 962.30 |
| 1 | 37217.94 | Q100 | 83.00 | 961.20 | 962.33 |
| 1 | 37217.94 | Q200 | 85.00 | 961.20 | 962.34 |

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|---|----------|------|-------|--------|--------|
| 1 | 37217.94 | Q250 | 86.00 | 961.20 | 962.35 |
| 1 | 37217.94 | Q500 | 87.00 | 961.20 | 962.36 |
| 1 | 37128.69 | Q005 | 70.00 | 960.40 | 961.42 |
| 1 | 37128.69 | Q010 | 73.00 | 960.40 | 961.44 |
| 1 | 37128.69 | Q025 | 78.00 | 960.40 | 961.49 |
| 1 | 37128.69 | Q050 | 80.00 | 960.40 | 961.51 |
| 1 | 37128.69 | Q100 | 83.00 | 960.40 | 961.53 |
| 1 | 37128.69 | Q200 | 85.00 | 960.40 | 961.55 |
| 1 | 37128.69 | Q250 | 86.00 | 960.40 | 961.56 |
| 1 | 37128.69 | Q500 | 87.00 | 960.40 | 961.57 |
| 1 | 37035.14 | Q005 | 70.00 | 959.60 | 960.72 |
| 1 | 37035.14 | Q010 | 73.00 | 959.60 | 960.75 |
| 1 | 37035.14 | Q025 | 78.00 | 959.60 | 960.79 |
| 1 | 37035.14 | Q050 | 80.00 | 959.60 | 960.81 |
| 1 | 37035.14 | Q100 | 83.00 | 959.60 | 960.83 |
| 1 | 37035.14 | Q200 | 85.00 | 959.60 | 960.85 |
| 1 | 37035.14 | Q250 | 86.00 | 959.60 | 960.86 |
| 1 | 37035.14 | Q500 | 87.00 | 959.60 | 960.87 |
| 1 | 36945.79 | Q005 | 70.00 | 958.90 | 959.87 |
| 1 | 36945.79 | Q010 | 73.00 | 958.90 | 959.89 |
| 1 | 36945.79 | Q025 | 78.00 | 958.90 | 959.93 |
| 1 | 36945.79 | Q050 | 80.00 | 958.90 | 959.95 |

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|---|----------|------|-------|--------|--------|
| 1 | 36945.79 | Q100 | 83.00 | 958.90 | 959.97 |
| 1 | 36945.79 | Q200 | 85.00 | 958.90 | 959.98 |
| 1 | 36945.79 | Q250 | 86.00 | 958.90 | 959.99 |
| 1 | 36945.79 | Q500 | 87.00 | 958.90 | 960.00 |
| 1 | 36842.87 | Q005 | 70.00 | 958.10 | 959.21 |
| 1 | 36842.87 | Q010 | 73.00 | 958.10 | 959.24 |
| 1 | 36842.87 | Q025 | 78.00 | 958.10 | 959.29 |
| 1 | 36842.87 | Q050 | 80.00 | 958.10 | 959.31 |
| 1 | 36842.87 | Q100 | 83.00 | 958.10 | 959.34 |
| 1 | 36842.87 | Q200 | 85.00 | 958.10 | 959.35 |
| 1 | 36842.87 | Q250 | 86.00 | 958.10 | 959.36 |
| 1 | 36842.87 | Q500 | 87.00 | 958.10 | 959.37 |
| 1 | 36743.92 | Q005 | 70.00 | 957.30 | 958.59 |
| 1 | 36743.92 | Q010 | 73.00 | 957.30 | 958.62 |
| 1 | 36743.92 | Q025 | 78.00 | 957.30 | 958.66 |
| 1 | 36743.92 | Q050 | 80.00 | 957.30 | 958.68 |
| 1 | 36743.92 | Q100 | 83.00 | 957.30 | 958.71 |
| 1 | 36743.92 | Q200 | 85.00 | 957.30 | 958.73 |
| 1 | 36743.92 | Q250 | 86.00 | 957.30 | 958.74 |
| 1 | 36743.92 | Q500 | 87.00 | 957.30 | 958.75 |
| 1 | 36578.22 | Q005 | 70.00 | 956.00 | 957.15 |
| 1 | 36578.22 | Q010 | 73.00 | 956.00 | 957.18 |

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|---|----------|------|-------|--------|--------|
| 1 | 36578.22 | Q025 | 78.00 | 956.00 | 957.22 |
| 1 | 36578.22 | Q050 | 80.00 | 956.00 | 957.24 |
| 1 | 36578.22 | Q100 | 83.00 | 956.00 | 957.27 |
| 1 | 36578.22 | Q200 | 85.00 | 956.00 | 957.28 |
| 1 | 36578.22 | Q250 | 86.00 | 956.00 | 957.29 |
| 1 | 36578.22 | Q500 | 87.00 | 956.00 | 957.30 |
| 1 | 36471.15 | Q005 | 70.00 | 955.20 | 956.29 |
| 1 | 36471.15 | Q010 | 73.00 | 955.20 | 956.31 |
| 1 | 36471.15 | Q025 | 78.00 | 955.20 | 956.36 |
| 1 | 36471.15 | Q050 | 80.00 | 955.20 | 956.37 |
| 1 | 36471.15 | Q100 | 83.00 | 955.20 | 956.40 |
| 1 | 36471.15 | Q200 | 85.00 | 955.20 | 956.41 |
| 1 | 36471.15 | Q250 | 86.00 | 955.20 | 956.42 |
| 1 | 36471.15 | Q500 | 87.00 | 955.20 | 956.43 |
| 1 | 36395.80 | Q005 | 70.00 | 954.60 | 955.57 |
| 1 | 36395.80 | Q010 | 73.00 | 954.60 | 955.59 |
| 1 | 36395.80 | Q025 | 78.00 | 954.60 | 955.63 |
| 1 | 36395.80 | Q050 | 80.00 | 954.60 | 955.65 |
| 1 | 36395.80 | Q100 | 83.00 | 954.60 | 955.67 |
| 1 | 36395.80 | Q200 | 85.00 | 954.60 | 955.69 |
| 1 | 36395.80 | Q250 | 86.00 | 954.60 | 955.70 |
| 1 | 36395.80 | Q500 | 87.00 | 954.60 | 955.71 |

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|---|----------|------|-------|--------|--------|
| 1 | 36244.42 | Q005 | 70.00 | 953.40 | 954.55 |
| 1 | 36244.42 | Q010 | 73.00 | 953.40 | 954.59 |
| 1 | 36244.42 | Q025 | 78.00 | 953.40 | 954.64 |
| 1 | 36244.42 | Q050 | 80.00 | 953.40 | 954.66 |
| 1 | 36244.42 | Q100 | 83.00 | 953.40 | 954.69 |
| 1 | 36244.42 | Q200 | 85.00 | 953.40 | 954.71 |
| 1 | 36244.42 | Q250 | 86.00 | 953.40 | 954.72 |
| 1 | 36244.42 | Q500 | 87.00 | 953.40 | 954.73 |
| 1 | 36160.38 | Q005 | 70.00 | 952.70 | 954.22 |
| 1 | 36160.38 | Q010 | 73.00 | 952.70 | 954.26 |
| 1 | 36160.38 | Q025 | 78.00 | 952.70 | 954.30 |
| 1 | 36160.38 | Q050 | 80.00 | 952.70 | 954.32 |
| 1 | 36160.38 | Q100 | 83.00 | 952.70 | 954.35 |
| 1 | 36160.38 | Q200 | 85.00 | 952.70 | 954.37 |
| 1 | 36160.38 | Q250 | 86.00 | 952.70 | 954.38 |
| 1 | 36160.38 | Q500 | 87.00 | 952.70 | 954.39 |
| 1 | 35990.22 | Q005 | 70.00 | 951.40 | 952.97 |
| 1 | 35990.22 | Q010 | 73.00 | 951.40 | 953.00 |
| 1 | 35990.22 | Q025 | 78.00 | 951.40 | 953.03 |
| 1 | 35990.22 | Q050 | 80.00 | 951.40 | 953.04 |
| 1 | 35990.22 | Q100 | 83.00 | 951.40 | 953.06 |
| 1 | 35990.22 | Q200 | 85.00 | 951.40 | 953.08 |
| 1 | 35990.22 | Q250 | 86.00 | 951.40 | 953.09 |

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|---|----------|------|-------|--------|--------|
| 1 | 35990.22 | Q500 | 87.00 | 951.40 | 953.10 |
| 1 | 35894.95 | Q005 | 70.00 | 950.80 | 951.85 |
| 1 | 35894.95 | Q010 | 73.00 | 950.80 | 951.87 |
| 1 | 35894.95 | Q025 | 78.00 | 950.80 | 951.92 |
| 1 | 35894.95 | Q050 | 80.00 | 950.80 | 951.93 |
| 1 | 35894.95 | Q100 | 83.00 | 950.80 | 951.96 |
| 1 | 35894.95 | Q200 | 85.00 | 950.80 | 951.98 |
| 1 | 35894.95 | Q250 | 86.00 | 950.80 | 951.99 |
| 1 | 35894.95 | Q500 | 87.00 | 950.80 | 952.00 |
| 1 | 35744.45 | Q005 | 70.00 | 949.50 | 950.63 |
| 1 | 35744.45 | Q010 | 73.00 | 949.50 | 950.66 |
| 1 | 35744.45 | Q025 | 78.00 | 949.50 | 950.70 |
| 1 | 35744.45 | Q050 | 80.00 | 949.50 | 950.72 |
| 1 | 35744.45 | Q100 | 83.00 | 949.50 | 950.75 |
| 1 | 35744.45 | Q200 | 85.00 | 949.50 | 950.76 |
| 1 | 35744.45 | Q250 | 86.00 | 949.50 | 950.77 |
| 1 | 35744.45 | Q500 | 87.00 | 949.50 | 950.78 |
| 1 | 35579.18 | Q005 | 70.00 | 948.20 | 949.21 |
| 1 | 35579.18 | Q010 | 73.00 | 948.20 | 949.23 |
| 1 | 35579.18 | Q025 | 78.00 | 948.20 | 949.28 |
| 1 | 35579.18 | Q050 | 80.00 | 948.20 | 949.29 |
| 1 | 35579.18 | Q100 | 83.00 | 948.20 | 949.32 |

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|---|----------|------|-------|--------|--------|
| 1 | 35579.18 | Q200 | 85.00 | 948.20 | 949.33 |
| 1 | 35579.18 | Q250 | 86.00 | 948.20 | 949.34 |
| 1 | 35579.18 | Q500 | 87.00 | 948.20 | 949.35 |
| 1 | 35445.38 | Q005 | 70.00 | 947.00 | 948.11 |
| 1 | 35445.38 | Q010 | 73.00 | 947.00 | 948.14 |
| 1 | 35445.38 | Q025 | 78.00 | 947.00 | 948.18 |
| 1 | 35445.38 | Q050 | 80.00 | 947.00 | 948.20 |
| 1 | 35445.38 | Q100 | 83.00 | 947.00 | 948.22 |
| 1 | 35445.38 | Q200 | 85.00 | 947.00 | 948.24 |
| 1 | 35445.38 | Q250 | 86.00 | 947.00 | 948.25 |
| 1 | 35445.38 | Q500 | 87.00 | 947.00 | 948.26 |
| 1 | 35372.53 | Q005 | 70.00 | 946.40 | 947.34 |
| 1 | 35372.53 | Q010 | 73.00 | 946.40 | 947.37 |
| 1 | 35372.53 | Q025 | 78.00 | 946.40 | 947.41 |
| 1 | 35372.53 | Q050 | 80.00 | 946.40 | 947.43 |
| 1 | 35372.53 | Q100 | 83.00 | 946.40 | 947.45 |
| 1 | 35372.53 | Q200 | 85.00 | 946.40 | 947.47 |
| 1 | 35372.53 | Q250 | 86.00 | 946.40 | 947.48 |
| 1 | 35372.53 | Q500 | 87.00 | 946.40 | 947.49 |
| 1 | 35275.32 | Q005 | 70.00 | 945.50 | 946.61 |
| 1 | 35275.32 | Q010 | 73.00 | 945.50 | 946.64 |
| 1 | 35275.32 | Q025 | 78.00 | 945.50 | 946.68 |

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|---|----------|------|-------|--------|--------|
| 1 | 35275.32 | Q050 | 80.00 | 945.50 | 946.70 |
| 1 | 35275.32 | Q100 | 83.00 | 945.50 | 946.73 |
| 1 | 35275.32 | Q200 | 85.00 | 945.50 | 946.74 |
| 1 | 35275.32 | Q250 | 86.00 | 945.50 | 946.75 |
| 1 | 35275.32 | Q500 | 87.00 | 945.50 | 946.76 |
| 1 | 35179.73 | Q005 | 70.00 | 944.80 | 945.92 |
| 1 | 35179.73 | Q010 | 73.00 | 944.80 | 945.95 |
| 1 | 35179.73 | Q025 | 78.00 | 944.80 | 946.00 |
| 1 | 35179.73 | Q050 | 80.00 | 944.80 | 946.01 |
| 1 | 35179.73 | Q100 | 83.00 | 944.80 | 946.04 |
| 1 | 35179.73 | Q200 | 85.00 | 944.80 | 946.06 |
| 1 | 35179.73 | Q250 | 86.00 | 944.80 | 946.07 |
| 1 | 35179.73 | Q500 | 87.00 | 944.80 | 946.08 |
| 1 | 34989.12 | Q005 | 70.00 | 943.20 | 944.41 |
| 1 | 34989.12 | Q010 | 73.00 | 943.20 | 944.44 |
| 1 | 34989.12 | Q025 | 78.00 | 943.20 | 944.49 |
| 1 | 34989.12 | Q050 | 80.00 | 943.20 | 944.50 |
| 1 | 34989.12 | Q100 | 83.00 | 943.20 | 944.53 |
| 1 | 34989.12 | Q200 | 85.00 | 943.20 | 944.55 |
| 1 | 34989.12 | Q250 | 86.00 | 943.20 | 944.56 |
| 1 | 34989.12 | Q500 | 87.00 | 943.20 | 944.57 |
| 1 | 34874.73 | Q005 | 70.00 | 942.40 | 943.41 |

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|---|----------|------|-------|--------|--------|
| 1 | 34874.73 | Q010 | 73.00 | 942.40 | 943.44 |
| 1 | 34874.73 | Q025 | 78.00 | 942.40 | 943.48 |
| 1 | 34874.73 | Q050 | 80.00 | 942.40 | 943.50 |
| 1 | 34874.73 | Q100 | 83.00 | 942.40 | 943.53 |
| 1 | 34874.73 | Q200 | 85.00 | 942.40 | 943.54 |
| 1 | 34874.73 | Q250 | 86.00 | 942.40 | 943.55 |
| 1 | 34874.73 | Q500 | 87.00 | 942.40 | 943.56 |
| 1 | 34803.77 | Q005 | 70.00 | 941.70 | 942.81 |
| 1 | 34803.77 | Q010 | 73.00 | 941.70 | 942.84 |
| 1 | 34803.77 | Q025 | 78.00 | 941.70 | 942.88 |
| 1 | 34803.77 | Q050 | 80.00 | 941.70 | 942.89 |
| 1 | 34803.77 | Q100 | 83.00 | 941.70 | 942.92 |
| 1 | 34803.77 | Q200 | 85.00 | 941.70 | 942.93 |
| 1 | 34803.77 | Q250 | 86.00 | 941.70 | 942.94 |
| 1 | 34803.77 | Q500 | 87.00 | 941.70 | 942.95 |
| 1 | 34719.55 | Q005 | 70.00 | 941.00 | 941.90 |
| 1 | 34719.55 | Q010 | 73.00 | 941.00 | 941.93 |
| 1 | 34719.55 | Q025 | 78.00 | 941.00 | 941.98 |
| 1 | 34719.55 | Q050 | 80.00 | 941.00 | 941.99 |
| 1 | 34719.55 | Q100 | 83.00 | 941.00 | 942.02 |
| 1 | 34719.55 | Q200 | 85.00 | 941.00 | 942.04 |
| 1 | 34719.55 | Q250 | 86.00 | 941.00 | 942.05 |
| 1 | 34719.55 | Q500 | 87.00 | 941.00 | 942.06 |

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|---|----------|------|-------|--------|--------|
| 1 | 34622.12 | Q005 | 70.00 | 940.00 | 941.32 |
| 1 | 34622.12 | Q010 | 73.00 | 940.00 | 941.35 |
| 1 | 34622.12 | Q025 | 78.00 | 940.00 | 941.40 |
| 1 | 34622.12 | Q050 | 80.00 | 940.00 | 941.42 |
| 1 | 34622.12 | Q100 | 83.00 | 940.00 | 941.45 |
| 1 | 34622.12 | Q200 | 85.00 | 940.00 | 941.47 |
| 1 | 34622.12 | Q250 | 86.00 | 940.00 | 941.48 |
| 1 | 34622.12 | Q500 | 87.00 | 940.00 | 941.49 |
| 1 | 34521.72 | Q005 | 70.00 | 939.30 | 940.44 |
| 1 | 34521.72 | Q010 | 73.00 | 939.30 | 940.47 |
| 1 | 34521.72 | Q025 | 78.00 | 939.30 | 940.52 |
| 1 | 34521.72 | Q050 | 80.00 | 939.30 | 940.54 |
| 1 | 34521.72 | Q100 | 83.00 | 939.30 | 940.57 |
| 1 | 34521.72 | Q200 | 85.00 | 939.30 | 940.59 |
| 1 | 34521.72 | Q250 | 86.00 | 939.30 | 940.60 |
| 1 | 34521.72 | Q500 | 87.00 | 939.30 | 940.61 |
| 1 | 34467.40 | Q005 | 70.00 | 938.80 | 940.21 |
| 1 | 34467.40 | Q010 | 73.00 | 938.80 | 940.24 |
| 1 | 34467.40 | Q025 | 78.00 | 938.80 | 940.29 |
| 1 | 34467.40 | Q050 | 80.00 | 938.80 | 940.31 |
| 1 | 34467.40 | Q100 | 83.00 | 938.80 | 940.34 |
| 1 | 34467.40 | Q200 | 85.00 | 938.80 | 940.36 |

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| 1 | 34467.40 | Q250 | 86.00 | 938.80 | 940.37 |
| 1 | 34467.40 | Q500 | 87.00 | 938.80 | 940.38 |
| 1 | 34363.14 | Q005 | 70.00 | 938.00 | 939.47 |
| 1 | 34363.14 | Q010 | 73.00 | 938.00 | 939.49 |
| 1 | 34363.14 | Q025 | 78.00 | 938.00 | 939.54 |
| 1 | 34363.14 | Q050 | 80.00 | 938.00 | 939.55 |
| 1 | 34363.14 | Q100 | 83.00 | 938.00 | 939.58 |
| 1 | 34363.14 | Q200 | 85.00 | 938.00 | 939.59 |
| 1 | 34363.14 | Q250 | 86.00 | 938.00 | 939.60 |
| 1 | 34363.14 | Q500 | 87.00 | 938.00 | 939.61 |
| 1 | 34266.45 | Q005 | 70.00 | 937.40 | 938.56 |
| 1 | 34266.45 | Q010 | 73.00 | 937.40 | 938.59 |
| 1 | 34266.45 | Q025 | 78.00 | 937.40 | 938.63 |
| 1 | 34266.45 | Q050 | 80.00 | 937.40 | 938.65 |
| 1 | 34266.45 | Q100 | 83.00 | 937.40 | 938.68 |
| 1 | 34266.45 | Q200 | 85.00 | 937.40 | 938.69 |
| 1 | 34266.45 | Q250 | 86.00 | 937.40 | 938.70 |
| 1 | 34266.45 | Q500 | 87.00 | 937.40 | 938.71 |
| 1 | 34179.15 | Q005 | 70.00 | 936.80 | 937.94 |
| 1 | 34179.15 | Q010 | 73.00 | 936.80 | 937.97 |
| 1 | 34179.15 | Q025 | 78.00 | 936.80 | 938.01 |
| 1 | 34179.15 | Q050 | 80.00 | 936.80 | 938.03 |

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|---|----------|------|-------|--------|--------|
| 1 | 34179.15 | Q100 | 83.00 | 936.80 | 938.06 |
| 1 | 34179.15 | Q200 | 85.00 | 936.80 | 938.07 |
| 1 | 34179.15 | Q250 | 86.00 | 936.80 | 938.08 |
| 1 | 34179.15 | Q500 | 87.00 | 936.80 | 938.09 |
| 1 | 34071.55 | Q005 | 70.00 | 936.10 | 937.19 |
| 1 | 34071.55 | Q010 | 73.00 | 936.10 | 937.22 |
| 1 | 34071.55 | Q025 | 78.00 | 936.10 | 937.27 |
| 1 | 34071.55 | Q050 | 80.00 | 936.10 | 937.28 |
| 1 | 34071.55 | Q100 | 83.00 | 936.10 | 937.31 |
| 1 | 34071.55 | Q200 | 85.00 | 936.10 | 937.33 |
| 1 | 34071.55 | Q250 | 86.00 | 936.10 | 937.34 |
| 1 | 34071.55 | Q500 | 87.00 | 936.10 | 937.35 |
| 1 | 33948.97 | Q005 | 70.00 | 935.20 | 936.30 |
| 1 | 33948.97 | Q010 | 73.00 | 935.20 | 936.33 |
| 1 | 33948.97 | Q025 | 78.00 | 935.20 | 936.37 |
| 1 | 33948.97 | Q050 | 80.00 | 935.20 | 936.39 |
| 1 | 33948.97 | Q100 | 83.00 | 935.20 | 936.42 |
| 1 | 33948.97 | Q200 | 85.00 | 935.20 | 936.44 |
| 1 | 33948.97 | Q250 | 86.00 | 935.20 | 936.45 |
| 1 | 33948.97 | Q500 | 87.00 | 935.20 | 936.46 |
| 1 | 33806.01 | Q005 | 70.00 | 934.20 | 935.39 |
| 1 | 33806.01 | Q010 | 73.00 | 934.20 | 935.42 |

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|---|----------|------|-------|--------|--------|
| 1 | 33806.01 | Q025 | 78.00 | 934.20 | 935.47 |
| 1 | 33806.01 | Q050 | 80.00 | 934.20 | 935.49 |
| 1 | 33806.01 | Q100 | 83.00 | 934.20 | 935.51 |
| 1 | 33806.01 | Q200 | 85.00 | 934.20 | 935.53 |
| 1 | 33806.01 | Q250 | 86.00 | 934.20 | 935.54 |
| 1 | 33806.01 | Q500 | 87.00 | 934.20 | 935.55 |
| 1 | 33657.35 | Q005 | 70.00 | 933.30 | 934.45 |
| 1 | 33657.35 | Q010 | 73.00 | 933.30 | 934.48 |
| 1 | 33657.35 | Q025 | 78.00 | 933.30 | 934.52 |
| 1 | 33657.35 | Q050 | 80.00 | 933.30 | 934.54 |
| 1 | 33657.35 | Q100 | 83.00 | 933.30 | 934.57 |
| 1 | 33657.35 | Q200 | 85.00 | 933.30 | 934.58 |
| 1 | 33657.35 | Q250 | 86.00 | 933.30 | 934.59 |
| 1 | 33657.35 | Q500 | 87.00 | 933.30 | 934.60 |
| 1 | 33510.07 | Q005 | 70.00 | 932.30 | 933.42 |
| 1 | 33510.07 | Q010 | 73.00 | 932.30 | 933.44 |
| 1 | 33510.07 | Q025 | 78.00 | 932.30 | 933.49 |
| 1 | 33510.07 | Q050 | 80.00 | 932.30 | 933.51 |
| 1 | 33510.07 | Q100 | 83.00 | 932.30 | 933.54 |
| 1 | 33510.07 | Q200 | 85.00 | 932.30 | 933.56 |
| 1 | 33510.07 | Q250 | 86.00 | 932.30 | 933.57 |
| 1 | 33510.07 | Q500 | 87.00 | 932.30 | 933.58 |

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|---|----------|------|-------|--------|--------|
| 1 | 33371.03 | Q005 | 70.00 | 931.40 | 932.63 |
| 1 | 33371.03 | Q010 | 73.00 | 931.40 | 932.66 |
| 1 | 33371.03 | Q025 | 78.00 | 931.40 | 932.71 |
| 1 | 33371.03 | Q050 | 80.00 | 931.40 | 932.73 |
| 1 | 33371.03 | Q100 | 83.00 | 931.40 | 932.76 |
| 1 | 33371.03 | Q200 | 85.00 | 931.40 | 932.78 |
| 1 | 33371.03 | Q250 | 86.00 | 931.40 | 932.79 |
| 1 | 33371.03 | Q500 | 87.00 | 931.40 | 932.80 |
| 1 | 33243.80 | Q005 | 70.00 | 930.60 | 931.74 |
| 1 | 33243.80 | Q010 | 73.00 | 930.60 | 931.77 |
| 1 | 33243.80 | Q025 | 78.00 | 930.60 | 931.80 |
| 1 | 33243.80 | Q050 | 80.00 | 930.60 | 931.82 |
| 1 | 33243.80 | Q100 | 83.00 | 930.60 | 931.84 |
| 1 | 33243.80 | Q200 | 85.00 | 930.60 | 931.85 |
| 1 | 33243.80 | Q250 | 86.00 | 930.60 | 931.86 |
| 1 | 33243.80 | Q500 | 87.00 | 930.60 | 931.87 |
| 1 | 33096.35 | Q005 | 70.00 | 929.60 | 930.67 |
| 1 | 33096.35 | Q010 | 73.00 | 929.60 | 930.71 |
| 1 | 33096.35 | Q025 | 78.00 | 929.60 | 930.77 |
| 1 | 33096.35 | Q050 | 80.00 | 929.60 | 930.80 |
| 1 | 33096.35 | Q100 | 83.00 | 929.60 | 930.83 |
| 1 | 33096.35 | Q200 | 85.00 | 929.60 | 930.86 |
| 1 | 33096.35 | Q250 | 86.00 | 929.60 | 930.87 |

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|---|----------|------|-------|--------|--------|
| 1 | 33096.35 | Q500 | 87.00 | 929.60 | 930.88 |
| 1 | 32844.06 | Q005 | 70.00 | 927.90 | 929.96 |
| 1 | 32844.06 | Q010 | 73.00 | 927.90 | 930.00 |
| 1 | 32844.06 | Q025 | 78.00 | 927.90 | 930.07 |
| 1 | 32844.06 | Q050 | 80.00 | 927.90 | 930.09 |
| 1 | 32844.06 | Q100 | 83.00 | 927.90 | 930.14 |
| 1 | 32844.06 | Q200 | 85.00 | 927.90 | 930.16 |
| 1 | 32844.06 | Q250 | 86.00 | 927.90 | 930.18 |
| 1 | 32844.06 | Q500 | 87.00 | 927.90 | 930.19 |
| 1 | 32663.97 | Q005 | 70.00 | 926.70 | 929.39 |
| 1 | 32663.97 | Q010 | 73.00 | 926.70 | 929.43 |
| 1 | 32663.97 | Q025 | 78.00 | 926.70 | 929.46 |
| 1 | 32663.97 | Q050 | 80.00 | 926.70 | 929.48 |
| 1 | 32663.97 | Q100 | 83.00 | 926.70 | 929.51 |
| 1 | 32663.97 | Q200 | 85.00 | 926.70 | 929.53 |
| 1 | 32663.97 | Q250 | 86.00 | 926.70 | 929.55 |
| 1 | 32663.97 | Q500 | 87.00 | 926.70 | 929.56 |
| 1 | 32632.19 | Q005 | 70.00 | 926.70 | 929.23 |
| 1 | 32632.19 | Q010 | 73.00 | 926.70 | 929.27 |
| 1 | 32632.19 | Q025 | 78.00 | 926.70 | 929.28 |
| 1 | 32632.19 | Q050 | 80.00 | 926.70 | 929.29 |
| 1 | 32632.19 | Q100 | 83.00 | 926.70 | 929.32 |

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|---|----------|------|-------|--------|--------|
| 1 | 32632.19 | Q200 | 85.00 | 926.70 | 929.34 |
| 1 | 32632.19 | Q250 | 86.00 | 926.70 | 929.35 |
| 1 | 32632.19 | Q500 | 87.00 | 926.70 | 929.36 |
| 1 | 32629.00 | | | Bridge | |
| 1 | 32581.53 | Q005 | 70.00 | 926.70 | 928.40 |
| 1 | 32581.53 | Q010 | 73.00 | 926.70 | 928.42 |
| 1 | 32581.53 | Q025 | 78.00 | 926.70 | 928.83 |
| 1 | 32581.53 | Q050 | 80.00 | 926.70 | 928.84 |
| 1 | 32581.53 | Q100 | 83.00 | 926.70 | 928.85 |
| 1 | 32581.53 | Q200 | 85.00 | 926.70 | 928.86 |
| 1 | 32581.53 | Q250 | 86.00 | 926.70 | 928.87 |
| 1 | 32581.53 | Q500 | 87.00 | 926.70 | 928.88 |
| 1 | 32563.64 | Q005 | 70.00 | 925.80 | 927.34 |
| 1 | 32563.64 | Q010 | 73.00 | 925.80 | 927.37 |
| 1 | 32563.64 | Q025 | 78.00 | 925.80 | 927.42 |
| 1 | 32563.64 | Q050 | 80.00 | 925.80 | 927.44 |
| 1 | 32563.64 | Q100 | 83.00 | 925.80 | 927.47 |
| 1 | 32563.64 | Q200 | 85.00 | 925.80 | 927.49 |
| 1 | 32563.64 | Q250 | 86.00 | 925.80 | 927.50 |
| 1 | 32563.64 | Q500 | 87.00 | 925.80 | 927.51 |
| 1 | 32335.06 | Q005 | 70.00 | 924.70 | 926.26 |

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|---|----------|------|--------|--------|--------|
| 1 | 32335.06 | Q010 | 73.00 | 924.70 | 926.44 |
| 1 | 32335.06 | Q025 | 78.00 | 924.70 | 926.67 |
| 1 | 32335.06 | Q050 | 80.00 | 924.70 | 926.84 |
| 1 | 32335.06 | Q100 | 83.00 | 924.70 | 927.01 |
| 1 | 32335.06 | Q200 | 85.00 | 924.70 | 927.18 |
| 1 | 32335.06 | Q250 | 86.00 | 924.70 | 927.24 |
| 1 | 32335.06 | Q500 | 87.00 | 924.70 | 927.40 |
| 1 | 32051.90 | Q005 | 154.00 | 923.40 | 925.16 |
| 1 | 32051.90 | Q010 | 193.00 | 923.40 | 925.43 |
| 1 | 32051.90 | Q025 | 238.00 | 923.40 | 925.70 |
| 1 | 32051.90 | Q050 | 274.00 | 923.40 | 925.89 |
| 1 | 32051.90 | Q100 | 311.00 | 923.40 | 926.07 |
| 1 | 32051.90 | Q200 | 347.00 | 923.40 | 926.24 |
| 1 | 32051.90 | Q250 | 361.00 | 923.40 | 926.30 |
| 1 | 32051.90 | Q500 | 400.00 | 923.40 | 926.45 |
| 1 | 31888.23 | Q005 | 154.00 | 922.70 | 924.53 |
| 1 | 31888.23 | Q010 | 193.00 | 922.70 | 924.90 |
| 1 | 31888.23 | Q025 | 238.00 | 922.70 | 925.17 |
| 1 | 31888.23 | Q050 | 274.00 | 922.70 | 925.36 |
| 1 | 31888.23 | Q100 | 311.00 | 922.70 | 925.53 |
| 1 | 31888.23 | Q200 | 347.00 | 922.70 | 925.70 |
| 1 | 31888.23 | Q250 | 361.00 | 922.70 | 925.75 |
| 1 | 31888.23 | Q500 | 400.00 | 922.70 | 925.86 |

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|---|----------|------|--------|--------|--------|
| 1 | 31757.04 | Q005 | 154.00 | 922.00 | 924.07 |
| 1 | 31757.04 | Q010 | 193.00 | 922.00 | 924.52 |
| 1 | 31757.04 | Q025 | 238.00 | 922.00 | 924.76 |
| 1 | 31757.04 | Q050 | 274.00 | 922.00 | 924.92 |
| 1 | 31757.04 | Q100 | 311.00 | 922.00 | 925.07 |
| 1 | 31757.04 | Q200 | 347.00 | 922.00 | 925.20 |
| 1 | 31757.04 | Q250 | 361.00 | 922.00 | 925.25 |
| 1 | 31757.04 | Q500 | 400.00 | 922.00 | 925.36 |
| 1 | 31583.96 | Q005 | 154.00 | 921.10 | 923.74 |
| 1 | 31583.96 | Q010 | 193.00 | 921.10 | 924.25 |
| 1 | 31583.96 | Q025 | 238.00 | 921.10 | 924.43 |
| 1 | 31583.96 | Q050 | 274.00 | 921.10 | 924.55 |
| 1 | 31583.96 | Q100 | 311.00 | 921.10 | 924.66 |
| 1 | 31583.96 | Q200 | 347.00 | 921.10 | 924.74 |
| 1 | 31583.96 | Q250 | 361.00 | 921.10 | 924.77 |
| 1 | 31583.96 | Q500 | 400.00 | 921.10 | 924.84 |
| 1 | 31322.42 | Q005 | 154.00 | 919.80 | 922.65 |
| 1 | 31322.42 | Q010 | 193.00 | 919.80 | 923.54 |
| 1 | 31322.42 | Q025 | 238.00 | 919.80 | 923.89 |
| 1 | 31322.42 | Q050 | 274.00 | 919.80 | 924.06 |
| 1 | 31322.42 | Q100 | 311.00 | 919.80 | 924.21 |
| 1 | 31322.42 | Q200 | 347.00 | 919.80 | 924.33 |

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|---|----------|------|--------|--------|--------|
| 1 | 31322.42 | Q250 | 361.00 | 919.80 | 924.39 |
| 1 | 31322.42 | Q500 | 400.00 | 919.80 | 924.50 |
| 1 | 31102.89 | Q005 | 154.00 | 919.00 | 922.67 |
| 1 | 31102.89 | Q010 | 193.00 | 919.00 | 923.53 |
| 1 | 31102.89 | Q025 | 238.00 | 919.00 | 923.84 |
| 1 | 31102.89 | Q050 | 274.00 | 919.00 | 924.00 |
| 1 | 31102.89 | Q100 | 311.00 | 919.00 | 924.14 |
| 1 | 31102.89 | Q200 | 347.00 | 919.00 | 924.26 |
| 1 | 31102.89 | Q250 | 361.00 | 919.00 | 924.31 |
| 1 | 31102.89 | Q500 | 400.00 | 919.00 | 924.42 |
| 1 | 30940.96 | Q005 | 154.00 | 918.40 | 922.64 |
| 1 | 30940.96 | Q010 | 193.00 | 918.40 | 923.52 |
| 1 | 30940.96 | Q025 | 238.00 | 918.40 | 923.84 |
| 1 | 30940.96 | Q050 | 274.00 | 918.40 | 924.00 |
| 1 | 30940.96 | Q100 | 311.00 | 918.40 | 924.14 |
| 1 | 30940.96 | Q200 | 347.00 | 918.40 | 924.25 |
| 1 | 30940.96 | Q250 | 361.00 | 918.40 | 924.31 |
| 1 | 30940.96 | Q500 | 400.00 | 918.40 | 924.41 |
| 1 | 30710.52 | Q005 | 154.00 | 917.60 | 922.62 |
| 1 | 30710.52 | Q010 | 193.00 | 917.60 | 923.51 |
| 1 | 30710.52 | Q025 | 238.00 | 917.60 | 923.83 |
| 1 | 30710.52 | Q050 | 274.00 | 917.60 | 923.99 |

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|---|----------|------|---------|--------|--------|
| 1 | 30710.52 | Q100 | 311.00 | 917.60 | 924.12 |
| 1 | 30710.52 | Q200 | 347.00 | 917.60 | 924.24 |
| 1 | 30710.52 | Q250 | 361.00 | 917.60 | 924.29 |
| 1 | 30710.52 | Q500 | 400.00 | 917.60 | 924.40 |
| 1 | 30451.37 | Q005 | 154.00 | 916.70 | 922.61 |
| 1 | 30451.37 | Q010 | 193.00 | 916.70 | 923.50 |
| 1 | 30451.37 | Q025 | 238.00 | 916.70 | 923.82 |
| 1 | 30451.37 | Q050 | 274.00 | 916.70 | 923.98 |
| 1 | 30451.37 | Q100 | 311.00 | 916.70 | 924.11 |
| 1 | 30451.37 | Q200 | 347.00 | 916.70 | 924.23 |
| 1 | 30451.37 | Q250 | 361.00 | 916.70 | 924.28 |
| 1 | 30451.37 | Q500 | 400.00 | 916.70 | 924.38 |
| 1 | 30402.86 | Q005 | 154.00 | 916.70 | 922.59 |
| 1 | 30402.86 | Q010 | 193.00 | 916.70 | 923.48 |
| 1 | 30402.86 | Q025 | 238.00 | 916.70 | 923.81 |
| 1 | 30402.86 | Q050 | 274.00 | 916.70 | 923.96 |
| 1 | 30402.86 | Q100 | 311.00 | 916.70 | 924.10 |
| 1 | 30402.86 | Q200 | 347.00 | 916.70 | 924.21 |
| 1 | 30402.86 | Q250 | 361.00 | 916.70 | 924.26 |
| 1 | 30402.86 | Q500 | 400.00 | 916.70 | 924.37 |
| 1 | 30385.00 | | Culvert | | |

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|---|----------|------|--------|--------|--------|
| 1 | 30355.04 | Q005 | 154.00 | 915.00 | 918.38 |
| 1 | 30355.04 | Q010 | 193.00 | 915.00 | 918.66 |
| 1 | 30355.04 | Q025 | 238.00 | 915.00 | 918.75 |
| 1 | 30355.04 | Q050 | 274.00 | 915.00 | 918.88 |
| 1 | 30355.04 | Q100 | 311.00 | 915.00 | 919.01 |
| 1 | 30355.04 | Q200 | 347.00 | 915.00 | 919.12 |
| 1 | 30355.04 | Q250 | 361.00 | 915.00 | 919.16 |
| 1 | 30355.04 | Q500 | 400.00 | 915.00 | 919.28 |
| 1 | 30310.25 | Q005 | 154.00 | 915.00 | 918.23 |
| 1 | 30310.25 | Q010 | 193.00 | 915.00 | 918.51 |
| 1 | 30310.25 | Q025 | 238.00 | 915.00 | 918.54 |
| 1 | 30310.25 | Q050 | 274.00 | 915.00 | 918.64 |
| 1 | 30310.25 | Q100 | 311.00 | 915.00 | 918.74 |
| 1 | 30310.25 | Q200 | 347.00 | 915.00 | 918.83 |
| 1 | 30310.25 | Q250 | 361.00 | 915.00 | 918.87 |
| 1 | 30310.25 | Q500 | 400.00 | 915.00 | 918.98 |
| 1 | 30155.69 | Q005 | 154.00 | 913.80 | 918.21 |
| 1 | 30155.69 | Q010 | 193.00 | 913.80 | 918.47 |
| 1 | 30155.69 | Q025 | 238.00 | 913.80 | 918.49 |
| 1 | 30155.69 | Q050 | 274.00 | 913.80 | 918.57 |
| 1 | 30155.69 | Q100 | 311.00 | 913.80 | 918.65 |
| 1 | 30155.69 | Q200 | 347.00 | 913.80 | 918.72 |
| 1 | 30155.69 | Q250 | 361.00 | 913.80 | 918.75 |

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|---|----------|------|---------|--------|--------|
| 1 | 30155.69 | Q500 | 400.00 | 913.80 | 918.82 |
| 1 | 30002.81 | Q005 | 154.00 | 912.60 | 918.17 |
| 1 | 30002.81 | Q010 | 193.00 | 912.60 | 918.43 |
| 1 | 30002.81 | Q025 | 238.00 | 912.60 | 918.44 |
| 1 | 30002.81 | Q050 | 274.00 | 912.60 | 918.50 |
| 1 | 30002.81 | Q100 | 311.00 | 912.60 | 918.57 |
| 1 | 30002.81 | Q200 | 347.00 | 912.60 | 918.63 |
| 1 | 30002.81 | Q250 | 361.00 | 912.60 | 918.65 |
| 1 | 30002.81 | Q500 | 400.00 | 912.60 | 918.72 |
| 1 | 29987.77 | Q005 | 154.00 | 912.40 | 918.17 |
| 1 | 29987.77 | Q010 | 193.00 | 912.40 | 918.42 |
| 1 | 29987.77 | Q025 | 238.00 | 912.40 | 918.43 |
| 1 | 29987.77 | Q050 | 274.00 | 912.40 | 918.50 |
| 1 | 29987.77 | Q100 | 311.00 | 912.40 | 918.56 |
| 1 | 29987.77 | Q200 | 347.00 | 912.40 | 918.62 |
| 1 | 29987.77 | Q250 | 361.00 | 912.40 | 918.64 |
| 1 | 29987.77 | Q500 | 400.00 | 912.40 | 918.71 |
| 1 | 29979.00 | | Culvert | | |
| 1 | 29943.59 | Q005 | 154.00 | 912.50 | 915.07 |
| 1 | 29943.59 | Q010 | 193.00 | 912.50 | 915.33 |
| 1 | 29943.59 | Q025 | 238.00 | 912.50 | 915.67 |

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|---|----------|------|--------|--------|--------|
| 1 | 29943.59 | Q050 | 274.00 | 912.50 | 915.89 |
| 1 | 29943.59 | Q100 | 311.00 | 912.50 | 916.11 |
| 1 | 29943.59 | Q200 | 347.00 | 912.50 | 916.32 |
| 1 | 29943.59 | Q250 | 361.00 | 912.50 | 916.40 |
| 1 | 29943.59 | Q500 | 400.00 | 912.50 | 916.60 |
| 1 | 29914.98 | Q005 | 154.00 | 912.60 | 914.62 |
| 1 | 29914.98 | Q010 | 193.00 | 912.60 | 914.86 |
| 1 | 29914.98 | Q025 | 238.00 | 912.60 | 915.11 |
| 1 | 29914.98 | Q050 | 274.00 | 912.60 | 915.30 |
| 1 | 29914.98 | Q100 | 311.00 | 912.60 | 915.49 |
| 1 | 29914.98 | Q200 | 347.00 | 912.60 | 915.66 |
| 1 | 29914.98 | Q250 | 361.00 | 912.60 | 915.73 |
| 1 | 29914.98 | Q500 | 400.00 | 912.60 | 915.90 |
| 1 | 29729.80 | Q005 | 154.00 | 911.60 | 913.43 |
| 1 | 29729.80 | Q010 | 193.00 | 911.60 | 913.70 |
| 1 | 29729.80 | Q025 | 238.00 | 911.60 | 913.99 |
| 1 | 29729.80 | Q050 | 274.00 | 911.60 | 914.20 |
| 1 | 29729.80 | Q100 | 311.00 | 911.60 | 914.41 |
| 1 | 29729.80 | Q200 | 347.00 | 911.60 | 914.60 |
| 1 | 29729.80 | Q250 | 361.00 | 911.60 | 914.67 |
| 1 | 29729.80 | Q500 | 400.00 | 911.60 | 914.87 |
| 1 | 29575.70 | Q005 | 154.00 | 910.80 | 912.71 |

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|---|----------|------|--------|--------|--------|
| 1 | 29575.70 | Q010 | 193.00 | 910.80 | 912.99 |
| 1 | 29575.70 | Q025 | 238.00 | 910.80 | 913.28 |
| 1 | 29575.70 | Q050 | 274.00 | 910.80 | 913.50 |
| 1 | 29575.70 | Q100 | 311.00 | 910.80 | 913.71 |
| 1 | 29575.70 | Q200 | 347.00 | 910.80 | 913.90 |
| 1 | 29575.70 | Q250 | 361.00 | 910.80 | 913.97 |
| 1 | 29575.70 | Q500 | 400.00 | 910.80 | 914.17 |
| 1 | 29462.57 | Q005 | 154.00 | 910.20 | 912.13 |
| 1 | 29462.57 | Q010 | 193.00 | 910.20 | 912.40 |
| 1 | 29462.57 | Q025 | 238.00 | 910.20 | 912.68 |
| 1 | 29462.57 | Q050 | 274.00 | 910.20 | 912.89 |
| 1 | 29462.57 | Q100 | 311.00 | 910.20 | 913.09 |
| 1 | 29462.57 | Q200 | 347.00 | 910.20 | 913.28 |
| 1 | 29462.57 | Q250 | 361.00 | 910.20 | 913.35 |
| 1 | 29462.57 | Q500 | 400.00 | 910.20 | 913.54 |
| 1 | 29305.38 | Q005 | 154.00 | 909.40 | 911.32 |
| 1 | 29305.38 | Q010 | 193.00 | 909.40 | 911.59 |
| 1 | 29305.38 | Q025 | 238.00 | 909.40 | 911.86 |
| 1 | 29305.38 | Q050 | 274.00 | 909.40 | 912.07 |
| 1 | 29305.38 | Q100 | 311.00 | 909.40 | 912.26 |
| 1 | 29305.38 | Q200 | 347.00 | 909.40 | 912.45 |
| 1 | 29305.38 | Q250 | 361.00 | 909.40 | 912.52 |
| 1 | 29305.38 | Q500 | 400.00 | 909.40 | 912.71 |

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|---|----------|------|--------|--------|--------|
| 1 | 29085.50 | Q005 | 154.00 | 908.30 | 910.20 |
| 1 | 29085.50 | Q010 | 193.00 | 908.30 | 910.47 |
| 1 | 29085.50 | Q025 | 238.00 | 908.30 | 910.76 |
| 1 | 29085.50 | Q050 | 274.00 | 908.30 | 910.97 |
| 1 | 29085.50 | Q100 | 311.00 | 908.30 | 911.18 |
| 1 | 29085.50 | Q200 | 347.00 | 908.30 | 911.37 |
| 1 | 29085.50 | Q250 | 361.00 | 908.30 | 911.45 |
| 1 | 29085.50 | Q500 | 400.00 | 908.30 | 911.65 |
| 1 | 28826.09 | Q005 | 154.00 | 906.90 | 908.85 |
| 1 | 28826.09 | Q010 | 193.00 | 906.90 | 909.12 |
| 1 | 28826.09 | Q025 | 238.00 | 906.90 | 909.41 |
| 1 | 28826.09 | Q050 | 274.00 | 906.90 | 909.63 |
| 1 | 28826.09 | Q100 | 311.00 | 906.90 | 909.84 |
| 1 | 28826.09 | Q200 | 347.00 | 906.90 | 910.03 |
| 1 | 28826.09 | Q250 | 361.00 | 906.90 | 910.11 |
| 1 | 28826.09 | Q500 | 400.00 | 906.90 | 910.30 |
| 1 | 28576.04 | Q005 | 154.00 | 905.70 | 907.61 |
| 1 | 28576.04 | Q010 | 193.00 | 905.70 | 907.90 |
| 1 | 28576.04 | Q025 | 238.00 | 905.70 | 908.20 |
| 1 | 28576.04 | Q050 | 274.00 | 905.70 | 908.42 |
| 1 | 28576.04 | Q100 | 311.00 | 905.70 | 908.64 |
| 1 | 28576.04 | Q200 | 347.00 | 905.70 | 908.84 |

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| 1 | 28576.04 | Q250 | 361.00 | 905.70 | 908.92 |
| 1 | 28576.04 | Q500 | 400.00 | 905.70 | 909.12 |
| 1 | 28298.23 | Q005 | 154.00 | 904.30 | 906.34 |
| 1 | 28298.23 | Q010 | 193.00 | 904.30 | 906.64 |
| 1 | 28298.23 | Q025 | 238.00 | 904.30 | 906.96 |
| 1 | 28298.23 | Q050 | 274.00 | 904.30 | 907.19 |
| 1 | 28298.23 | Q100 | 311.00 | 904.30 | 907.41 |
| 1 | 28298.23 | Q200 | 347.00 | 904.30 | 907.62 |
| 1 | 28298.23 | Q250 | 361.00 | 904.30 | 907.70 |
| 1 | 28298.23 | Q500 | 400.00 | 904.30 | 907.91 |
| 1 | 28162.24 | Q005 | 154.00 | 903.60 | 905.65 |
| 1 | 28162.24 | Q010 | 193.00 | 903.60 | 905.94 |
| 1 | 28162.24 | Q025 | 238.00 | 903.60 | 906.24 |
| 1 | 28162.24 | Q050 | 274.00 | 903.60 | 906.46 |
| 1 | 28162.24 | Q100 | 311.00 | 903.60 | 906.67 |
| 1 | 28162.24 | Q200 | 347.00 | 903.60 | 906.87 |
| 1 | 28162.24 | Q250 | 361.00 | 903.60 | 906.95 |
| 1 | 28162.24 | Q500 | 400.00 | 903.60 | 907.15 |
| 1 | 27993.11 | Q005 | 154.00 | 902.80 | 904.76 |
| 1 | 27993.11 | Q010 | 193.00 | 902.80 | 905.03 |
| 1 | 27993.11 | Q025 | 238.00 | 902.80 | 905.31 |
| 1 | 27993.11 | Q050 | 274.00 | 902.80 | 905.52 |

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|---|----------|------|--------|--------|--------|
| 1 | 27993.11 | Q100 | 311.00 | 902.80 | 905.73 |
| 1 | 27993.11 | Q200 | 347.00 | 902.80 | 905.92 |
| 1 | 27993.11 | Q250 | 361.00 | 902.80 | 905.99 |
| 1 | 27993.11 | Q500 | 400.00 | 902.80 | 906.19 |
| 1 | 27717.46 | Q005 | 154.00 | 901.40 | 903.18 |
| 1 | 27717.46 | Q010 | 193.00 | 901.40 | 903.45 |
| 1 | 27717.46 | Q025 | 238.00 | 901.40 | 903.76 |
| 1 | 27717.46 | Q050 | 274.00 | 901.40 | 904.00 |
| 1 | 27717.46 | Q100 | 311.00 | 901.40 | 904.23 |
| 1 | 27717.46 | Q200 | 347.00 | 901.40 | 904.46 |
| 1 | 27717.46 | Q250 | 361.00 | 901.40 | 904.54 |
| 1 | 27717.46 | Q500 | 400.00 | 901.40 | 904.77 |
| 1 | 27527.25 | Q005 | 154.00 | 900.40 | 902.36 |
| 1 | 27527.25 | Q010 | 193.00 | 900.40 | 902.71 |
| 1 | 27527.25 | Q025 | 238.00 | 900.40 | 903.10 |
| 1 | 27527.25 | Q050 | 274.00 | 900.40 | 903.38 |
| 1 | 27527.25 | Q100 | 311.00 | 900.40 | 903.65 |
| 1 | 27527.25 | Q200 | 347.00 | 900.40 | 903.91 |
| 1 | 27527.25 | Q250 | 361.00 | 900.40 | 903.99 |
| 1 | 27527.25 | Q500 | 400.00 | 900.40 | 904.25 |
| 1 | 27298.00 | Q005 | 154.00 | 899.20 | 901.94 |
| 1 | 27298.00 | Q010 | 193.00 | 899.20 | 902.29 |

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|---|----------|------|--------|--------|--------|
| 1 | 27298.00 | Q025 | 238.00 | 899.20 | 902.69 |
| 1 | 27298.00 | Q050 | 274.00 | 899.20 | 902.97 |
| 1 | 27298.00 | Q100 | 311.00 | 899.20 | 903.25 |
| 1 | 27298.00 | Q200 | 347.00 | 899.20 | 903.50 |
| 1 | 27298.00 | Q250 | 361.00 | 899.20 | 903.58 |
| 1 | 27298.00 | Q500 | 400.00 | 899.20 | 903.84 |
| 1 | 27054.03 | Q005 | 265.00 | 897.90 | 900.95 |
| 1 | 27054.03 | Q010 | 320.00 | 897.90 | 901.29 |
| 1 | 27054.03 | Q025 | 388.00 | 897.90 | 901.66 |
| 1 | 27054.03 | Q050 | 441.00 | 897.90 | 901.94 |
| 1 | 27054.03 | Q100 | 496.00 | 897.90 | 902.19 |
| 1 | 27054.03 | Q200 | 551.00 | 897.90 | 902.43 |
| 1 | 27054.03 | Q250 | 570.00 | 897.90 | 902.51 |
| 1 | 27054.03 | Q500 | 629.00 | 897.90 | 902.74 |
| 1 | 26807.13 | Q005 | 265.00 | 897.10 | 900.09 |
| 1 | 26807.13 | Q010 | 320.00 | 897.10 | 900.43 |
| 1 | 26807.13 | Q025 | 388.00 | 897.10 | 900.81 |
| 1 | 26807.13 | Q050 | 441.00 | 897.10 | 901.08 |
| 1 | 26807.13 | Q100 | 496.00 | 897.10 | 901.33 |
| 1 | 26807.13 | Q200 | 551.00 | 897.10 | 901.57 |
| 1 | 26807.13 | Q250 | 570.00 | 897.10 | 901.65 |
| 1 | 26807.13 | Q500 | 629.00 | 897.10 | 901.89 |

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| 1 | 26584.03 | Q005 | 265.00 | 896.40 | 899.46 |
| 1 | 26584.03 | Q010 | 320.00 | 896.40 | 899.78 |
| 1 | 26584.03 | Q025 | 388.00 | 896.40 | 900.15 |
| 1 | 26584.03 | Q050 | 441.00 | 896.40 | 900.41 |
| 1 | 26584.03 | Q100 | 496.00 | 896.40 | 900.63 |
| 1 | 26584.03 | Q200 | 551.00 | 896.40 | 900.86 |
| 1 | 26584.03 | Q250 | 570.00 | 896.40 | 900.94 |
| 1 | 26584.03 | Q500 | 629.00 | 896.40 | 901.16 |
| 1 | 26384.03 | Q005 | 265.00 | 895.80 | 899.11 |
| 1 | 26384.03 | Q010 | 320.00 | 895.80 | 899.43 |
| 1 | 26384.03 | Q025 | 388.00 | 895.80 | 899.79 |
| 1 | 26384.03 | Q050 | 441.00 | 895.80 | 900.06 |
| 1 | 26384.03 | Q100 | 496.00 | 895.80 | 900.27 |
| 1 | 26384.03 | Q200 | 551.00 | 895.80 | 900.51 |
| 1 | 26384.03 | Q250 | 570.00 | 895.80 | 900.59 |
| 1 | 26384.03 | Q500 | 629.00 | 895.80 | 900.82 |
| 1 | 26164.94 | Q005 | 265.00 | 895.10 | 898.62 |
| 1 | 26164.94 | Q010 | 320.00 | 895.10 | 898.92 |
| 1 | 26164.94 | Q025 | 388.00 | 895.10 | 899.28 |
| 1 | 26164.94 | Q050 | 441.00 | 895.10 | 899.55 |
| 1 | 26164.94 | Q100 | 496.00 | 895.10 | 899.72 |
| 1 | 26164.94 | Q200 | 551.00 | 895.10 | 899.96 |
| 1 | 26164.94 | Q250 | 570.00 | 895.10 | 900.05 |

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|---|----------|------|--------|--------|--------|
| 1 | 26164.94 | Q500 | 629.00 | 895.10 | 900.30 |
| 1 | 26097.47 | Q005 | 265.00 | 895.40 | 898.24 |
| 1 | 26097.47 | Q010 | 320.00 | 895.40 | 898.54 |
| 1 | 26097.47 | Q025 | 388.00 | 895.40 | 898.91 |
| 1 | 26097.47 | Q050 | 441.00 | 895.40 | 899.19 |
| 1 | 26097.47 | Q100 | 496.00 | 895.40 | 899.32 |
| 1 | 26097.47 | Q200 | 551.00 | 895.40 | 899.57 |
| 1 | 26097.47 | Q250 | 570.00 | 895.40 | 899.65 |
| 1 | 26097.47 | Q500 | 629.00 | 895.40 | 899.90 |
| 1 | 26079.00 | | Bridge | | |
| 1 | 26041.70 | Q005 | 265.00 | 895.40 | 897.12 |
| 1 | 26041.70 | Q010 | 320.00 | 895.40 | 897.33 |
| 1 | 26041.70 | Q025 | 388.00 | 895.40 | 897.57 |
| 1 | 26041.70 | Q050 | 441.00 | 895.40 | 897.72 |
| 1 | 26041.70 | Q100 | 496.00 | 895.40 | 897.90 |
| 1 | 26041.70 | Q200 | 551.00 | 895.40 | 898.10 |
| 1 | 26041.70 | Q250 | 570.00 | 895.40 | 898.17 |
| 1 | 26041.70 | Q500 | 629.00 | 895.40 | 898.36 |
| 1 | 26013.02 | Q005 | 265.00 | 893.90 | 896.81 |
| 1 | 26013.02 | Q010 | 320.00 | 893.90 | 897.12 |
| 1 | 26013.02 | Q025 | 388.00 | 893.90 | 897.44 |

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|---|----------|------|--------|--------|--------|
| 1 | 26013.02 | Q050 | 441.00 | 893.90 | 897.66 |
| 1 | 26013.02 | Q100 | 496.00 | 893.90 | 897.88 |
| 1 | 26013.02 | Q200 | 551.00 | 893.90 | 898.07 |
| 1 | 26013.02 | Q250 | 570.00 | 893.90 | 898.14 |
| 1 | 26013.02 | Q500 | 629.00 | 893.90 | 898.33 |
| 1 | 25923.83 | Q005 | 265.00 | 893.60 | 896.29 |
| 1 | 25923.83 | Q010 | 320.00 | 893.60 | 896.60 |
| 1 | 25923.83 | Q025 | 388.00 | 893.60 | 896.94 |
| 1 | 25923.83 | Q050 | 441.00 | 893.60 | 897.18 |
| 1 | 25923.83 | Q100 | 496.00 | 893.60 | 897.41 |
| 1 | 25923.83 | Q200 | 551.00 | 893.60 | 897.63 |
| 1 | 25923.83 | Q250 | 570.00 | 893.60 | 897.70 |
| 1 | 25923.83 | Q500 | 629.00 | 893.60 | 897.91 |
| 1 | 25691.37 | Q005 | 265.00 | 892.40 | 895.13 |
| 1 | 25691.37 | Q010 | 320.00 | 892.40 | 895.44 |
| 1 | 25691.37 | Q025 | 388.00 | 892.40 | 895.80 |
| 1 | 25691.37 | Q050 | 441.00 | 892.40 | 896.06 |
| 1 | 25691.37 | Q100 | 496.00 | 892.40 | 896.30 |
| 1 | 25691.37 | Q200 | 551.00 | 892.40 | 896.52 |
| 1 | 25691.37 | Q250 | 570.00 | 892.40 | 896.60 |
| 1 | 25691.37 | Q500 | 629.00 | 892.40 | 896.82 |
| 1 | 25412.16 | Q005 | 265.00 | 891.10 | 893.73 |

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|---|----------|------|--------|--------|--------|
| 1 | 25412.16 | Q010 | 320.00 | 891.10 | 894.03 |
| 1 | 25412.16 | Q025 | 388.00 | 891.10 | 894.38 |
| 1 | 25412.16 | Q050 | 441.00 | 891.10 | 894.63 |
| 1 | 25412.16 | Q100 | 496.00 | 891.10 | 894.86 |
| 1 | 25412.16 | Q200 | 551.00 | 891.10 | 895.07 |
| 1 | 25412.16 | Q250 | 570.00 | 891.10 | 895.15 |
| 1 | 25412.16 | Q500 | 629.00 | 891.10 | 895.36 |
| 1 | 25155.59 | Q005 | 265.00 | 889.90 | 892.48 |
| 1 | 25155.59 | Q010 | 320.00 | 889.90 | 892.78 |
| 1 | 25155.59 | Q025 | 388.00 | 889.90 | 893.13 |
| 1 | 25155.59 | Q050 | 441.00 | 889.90 | 893.45 |
| 1 | 25155.59 | Q100 | 496.00 | 889.90 | 893.67 |
| 1 | 25155.59 | Q200 | 551.00 | 889.90 | 893.89 |
| 1 | 25155.59 | Q250 | 570.00 | 889.90 | 893.96 |
| 1 | 25155.59 | Q500 | 629.00 | 889.90 | 894.17 |
| 1 | 24915.55 | Q005 | 265.00 | 888.80 | 891.35 |
| 1 | 24915.55 | Q010 | 320.00 | 888.80 | 891.67 |
| 1 | 24915.55 | Q025 | 388.00 | 888.80 | 892.04 |
| 1 | 24915.55 | Q050 | 441.00 | 888.80 | 892.35 |
| 1 | 24915.55 | Q100 | 496.00 | 888.80 | 892.61 |
| 1 | 24915.55 | Q200 | 551.00 | 888.80 | 892.85 |
| 1 | 24915.55 | Q250 | 570.00 | 888.80 | 892.93 |
| 1 | 24915.55 | Q500 | 629.00 | 888.80 | 893.18 |

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|---|----------|------|---------|--------|--------|
| 1 | 24699.50 | Q005 | 265.00 | 887.80 | 890.56 |
| 1 | 24699.50 | Q010 | 320.00 | 887.80 | 890.92 |
| 1 | 24699.50 | Q025 | 388.00 | 887.80 | 891.34 |
| 1 | 24699.50 | Q050 | 441.00 | 887.80 | 891.64 |
| 1 | 24699.50 | Q100 | 496.00 | 887.80 | 891.96 |
| 1 | 24699.50 | Q200 | 551.00 | 887.80 | 892.26 |
| 1 | 24699.50 | Q250 | 570.00 | 887.80 | 892.36 |
| 1 | 24699.50 | Q500 | 629.00 | 887.80 | 892.68 |
| 1 | 24641.13 | Q005 | 265.00 | 887.20 | 890.55 |
| 1 | 24641.13 | Q010 | 320.00 | 887.20 | 890.92 |
| 1 | 24641.13 | Q025 | 388.00 | 887.20 | 891.36 |
| 1 | 24641.13 | Q050 | 441.00 | 887.20 | 891.68 |
| 1 | 24641.13 | Q100 | 496.00 | 887.20 | 891.99 |
| 1 | 24641.13 | Q200 | 551.00 | 887.20 | 892.30 |
| 1 | 24641.13 | Q250 | 570.00 | 887.20 | 892.40 |
| 1 | 24641.13 | Q500 | 629.00 | 887.20 | 892.72 |
| 1 | 24622.00 | | Culvert | | |
| 1 | 24392.93 | Q005 | 265.00 | 885.80 | 890.26 |
| 1 | 24392.93 | Q010 | 320.00 | 885.80 | 890.55 |
| 1 | 24392.93 | Q025 | 388.00 | 885.80 | 890.88 |
| 1 | 24392.93 | Q050 | 441.00 | 885.80 | 891.11 |

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|---|----------|------|--------|--------|--------|
| 1 | 24392.93 | Q100 | 496.00 | 885.80 | 891.34 |
| 1 | 24392.93 | Q200 | 551.00 | 885.80 | 891.56 |
| 1 | 24392.93 | Q250 | 570.00 | 885.80 | 891.63 |
| 1 | 24392.93 | Q500 | 629.00 | 885.80 | 891.84 |
| 1 | 24278.31 | Q005 | 265.00 | 886.40 | 889.45 |
| 1 | 24278.31 | Q010 | 320.00 | 886.40 | 889.72 |
| 1 | 24278.31 | Q025 | 388.00 | 886.40 | 890.01 |
| 1 | 24278.31 | Q050 | 441.00 | 886.40 | 890.22 |
| 1 | 24278.31 | Q100 | 496.00 | 886.40 | 890.42 |
| 1 | 24278.31 | Q200 | 551.00 | 886.40 | 890.60 |
| 1 | 24278.31 | Q250 | 570.00 | 886.40 | 890.66 |
| 1 | 24278.31 | Q500 | 629.00 | 886.40 | 890.85 |
| 1 | 24179.97 | Q005 | 265.00 | 886.00 | 888.75 |
| 1 | 24179.97 | Q010 | 320.00 | 886.00 | 889.07 |
| 1 | 24179.97 | Q025 | 388.00 | 886.00 | 889.39 |
| 1 | 24179.97 | Q050 | 441.00 | 886.00 | 889.62 |
| 1 | 24179.97 | Q100 | 496.00 | 886.00 | 889.84 |
| 1 | 24179.97 | Q200 | 551.00 | 886.00 | 890.05 |
| 1 | 24179.97 | Q250 | 570.00 | 886.00 | 890.12 |
| 1 | 24179.97 | Q500 | 629.00 | 886.00 | 890.32 |
| 1 | 24086.00 | Q005 | 265.00 | 885.70 | 888.41 |
| 1 | 24086.00 | Q010 | 320.00 | 885.70 | 888.72 |

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|---|----------|------|--------|--------|--------|
| 1 | 24086.00 | Q025 | 388.00 | 885.70 | 889.04 |
| 1 | 24086.00 | Q050 | 441.00 | 885.70 | 889.26 |
| 1 | 24086.00 | Q100 | 496.00 | 885.70 | 889.47 |
| 1 | 24086.00 | Q200 | 551.00 | 885.70 | 889.68 |
| 1 | 24086.00 | Q250 | 570.00 | 885.70 | 889.74 |
| 1 | 24086.00 | Q500 | 629.00 | 885.70 | 889.93 |
| 1 | 23880.51 | Q005 | 265.00 | 884.80 | 887.57 |
| 1 | 23880.51 | Q010 | 320.00 | 884.80 | 887.89 |
| 1 | 23880.51 | Q025 | 388.00 | 884.80 | 888.20 |
| 1 | 23880.51 | Q050 | 441.00 | 884.80 | 888.43 |
| 1 | 23880.51 | Q100 | 496.00 | 884.80 | 888.64 |
| 1 | 23880.51 | Q200 | 551.00 | 884.80 | 888.83 |
| 1 | 23880.51 | Q250 | 570.00 | 884.80 | 888.89 |
| 1 | 23880.51 | Q500 | 629.00 | 884.80 | 889.06 |
| 1 | 23731.79 | Q005 | 265.00 | 884.20 | 887.09 |
| 1 | 23731.79 | Q010 | 320.00 | 884.20 | 887.43 |
| 1 | 23731.79 | Q025 | 388.00 | 884.20 | 887.78 |
| 1 | 23731.79 | Q050 | 441.00 | 884.20 | 888.03 |
| 1 | 23731.79 | Q100 | 496.00 | 884.20 | 888.26 |
| 1 | 23731.79 | Q200 | 551.00 | 884.20 | 888.47 |
| 1 | 23731.79 | Q250 | 570.00 | 884.20 | 888.53 |
| 1 | 23731.79 | Q500 | 629.00 | 884.20 | 888.70 |

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|---|----------|------|--------|--------|--------|
| 1 | 23402.80 | Q005 | 265.00 | 882.90 | 886.12 |
| 1 | 23402.80 | Q010 | 320.00 | 882.90 | 886.49 |
| 1 | 23402.80 | Q025 | 388.00 | 882.90 | 886.82 |
| 1 | 23402.80 | Q050 | 441.00 | 882.90 | 887.06 |
| 1 | 23402.80 | Q100 | 496.00 | 882.90 | 887.25 |
| 1 | 23402.80 | Q200 | 551.00 | 882.90 | 887.41 |
| 1 | 23402.80 | Q250 | 570.00 | 882.90 | 887.44 |
| 1 | 23402.80 | Q500 | 629.00 | 882.90 | 887.60 |
| 1 | 23103.05 | Q005 | 265.00 | 881.70 | 885.69 |
| 1 | 23103.05 | Q010 | 320.00 | 881.70 | 886.06 |
| 1 | 23103.05 | Q025 | 388.00 | 881.70 | 886.37 |
| 1 | 23103.05 | Q050 | 441.00 | 881.70 | 886.59 |
| 1 | 23103.05 | Q100 | 496.00 | 881.70 | 886.74 |
| 1 | 23103.05 | Q200 | 551.00 | 881.70 | 886.84 |
| 1 | 23103.05 | Q250 | 570.00 | 881.70 | 886.85 |
| 1 | 23103.05 | Q500 | 629.00 | 881.70 | 886.92 |
| 1 | 22913.10 | Q005 | 265.00 | 880.90 | 885.09 |
| 1 | 22913.10 | Q010 | 320.00 | 880.90 | 885.47 |
| 1 | 22913.10 | Q025 | 388.00 | 880.90 | 885.68 |
| 1 | 22913.10 | Q050 | 441.00 | 880.90 | 885.83 |
| 1 | 22913.10 | Q100 | 496.00 | 880.90 | 885.96 |
| 1 | 22913.10 | Q200 | 551.00 | 880.90 | 886.09 |
| 1 | 22913.10 | Q250 | 570.00 | 880.90 | 886.24 |

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|---|----------|------|--------|--------|--------|
| 1 | 22913.10 | Q500 | 629.00 | 880.90 | 886.31 |
| 1 | 22846.88 | Q005 | 265.00 | 881.80 | 884.88 |
| 1 | 22846.88 | Q010 | 320.00 | 881.80 | 885.31 |
| 1 | 22846.88 | Q025 | 388.00 | 881.80 | 885.50 |
| 1 | 22846.88 | Q050 | 441.00 | 881.80 | 885.67 |
| 1 | 22846.88 | Q100 | 496.00 | 881.80 | 885.84 |
| 1 | 22846.88 | Q200 | 551.00 | 881.80 | 886.00 |
| 1 | 22846.88 | Q250 | 570.00 | 881.80 | 886.19 |
| 1 | 22846.88 | Q500 | 629.00 | 881.80 | 886.25 |
| 1 | 22662.57 | Q005 | 265.00 | 881.20 | 884.36 |
| 1 | 22662.57 | Q010 | 320.00 | 881.20 | 884.78 |
| 1 | 22662.57 | Q025 | 388.00 | 881.20 | 885.01 |
| 1 | 22662.57 | Q050 | 441.00 | 881.20 | 885.14 |
| 1 | 22662.57 | Q100 | 496.00 | 881.20 | 885.26 |
| 1 | 22662.57 | Q200 | 551.00 | 881.20 | 885.37 |
| 1 | 22662.57 | Q250 | 570.00 | 881.20 | 885.42 |
| 1 | 22662.57 | Q500 | 629.00 | 881.20 | 885.51 |
| 1 | 22460.97 | Q005 | 265.00 | 880.50 | 883.79 |
| 1 | 22460.97 | Q010 | 320.00 | 880.50 | 884.26 |
| 1 | 22460.97 | Q025 | 388.00 | 880.50 | 884.48 |
| 1 | 22460.97 | Q050 | 441.00 | 880.50 | 884.55 |
| 1 | 22460.97 | Q100 | 496.00 | 880.50 | 884.61 |

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|---|----------|------|--------|--------|--------|
| 1 | 22460.97 | Q200 | 551.00 | 880.50 | 884.67 |
| 1 | 22460.97 | Q250 | 570.00 | 880.50 | 884.70 |
| 1 | 22460.97 | Q500 | 629.00 | 880.50 | 884.77 |
| 1 | 22189.91 | Q005 | 265.00 | 879.60 | 882.92 |
| 1 | 22189.91 | Q010 | 320.00 | 879.60 | 883.29 |
| 1 | 22189.91 | Q025 | 388.00 | 879.60 | 883.60 |
| 1 | 22189.91 | Q050 | 441.00 | 879.60 | 883.83 |
| 1 | 22189.91 | Q100 | 496.00 | 879.60 | 884.04 |
| 1 | 22189.91 | Q200 | 551.00 | 879.60 | 884.15 |
| 1 | 22189.91 | Q250 | 570.00 | 879.60 | 884.16 |
| 1 | 22189.91 | Q500 | 629.00 | 879.60 | 884.20 |
| 1 | 21949.20 | Q005 | 265.00 | 878.80 | 881.87 |
| 1 | 21949.20 | Q010 | 320.00 | 878.80 | 882.25 |
| 1 | 21949.20 | Q025 | 388.00 | 878.80 | 882.78 |
| 1 | 21949.20 | Q050 | 441.00 | 878.80 | 883.10 |
| 1 | 21949.20 | Q100 | 496.00 | 878.80 | 883.38 |
| 1 | 21949.20 | Q200 | 551.00 | 878.80 | 883.63 |
| 1 | 21949.20 | Q250 | 570.00 | 878.80 | 883.71 |
| 1 | 21949.20 | Q500 | 629.00 | 878.80 | 883.89 |
| 1 | 21656.83 | Q005 | 265.00 | 877.90 | 880.86 |
| 1 | 21656.83 | Q010 | 320.00 | 877.90 | 881.53 |
| 1 | 21656.83 | Q025 | 388.00 | 877.90 | 882.31 |

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| 1 | 21656.83 | Q050 | 441.00 | 877.90 | 882.70 |
| 1 | 21656.83 | Q100 | 496.00 | 877.90 | 883.01 |
| 1 | 21656.83 | Q200 | 551.00 | 877.90 | 883.27 |
| 1 | 21656.83 | Q250 | 570.00 | 877.90 | 883.37 |
| 1 | 21656.83 | Q500 | 629.00 | 877.90 | 883.66 |
| 1 | 21367.39 | Q005 | 428.00 | 875.00 | 880.48 |
| 1 | 21367.39 | Q010 | 548.00 | 875.00 | 881.16 |
| 1 | 21367.39 | Q025 | 706.00 | 875.00 | 881.92 |
| 1 | 21367.39 | Q050 | 831.00 | 875.00 | 882.24 |
| 1 | 21367.39 | Q100 | 958.00 | 875.00 | 882.48 |
| 1 | 21367.39 | Q200 | 1083.00 | 875.00 | 882.68 |
| 1 | 21367.39 | Q250 | 1126.00 | 875.00 | 882.80 |
| 1 | 21367.39 | Q500 | 1260.00 | 875.00 | 883.38 |
| 1 | 21109.38 | Q005 | 428.00 | 875.00 | 880.16 |
| 1 | 21109.38 | Q010 | 548.00 | 875.00 | 880.81 |
| 1 | 21109.38 | Q025 | 706.00 | 875.00 | 881.55 |
| 1 | 21109.38 | Q050 | 831.00 | 875.00 | 881.96 |
| 1 | 21109.38 | Q100 | 958.00 | 875.00 | 882.25 |
| 1 | 21109.38 | Q200 | 1083.00 | 875.00 | 882.52 |
| 1 | 21109.38 | Q250 | 1126.00 | 875.00 | 882.69 |
| 1 | 21109.38 | Q500 | 1260.00 | 875.00 | 883.37 |
| 1 | 20796.60 | Q005 | 428.00 | 875.10 | 879.31 |

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|---|----------|------|---------|--------|--------|
| 1 | 20796.60 | Q010 | 548.00 | 875.10 | 879.96 |
| 1 | 20796.60 | Q025 | 706.00 | 875.10 | 880.69 |
| 1 | 20796.60 | Q050 | 831.00 | 875.10 | 881.21 |
| 1 | 20796.60 | Q100 | 958.00 | 875.10 | 881.78 |
| 1 | 20796.60 | Q200 | 1083.00 | 875.10 | 882.36 |
| 1 | 20796.60 | Q250 | 1126.00 | 875.10 | 882.59 |
| 1 | 20796.60 | Q500 | 1260.00 | 875.10 | 883.33 |
| 1 | 20523.85 | Q005 | 428.00 | 874.50 | 879.02 |
| 1 | 20523.85 | Q010 | 548.00 | 874.50 | 879.71 |
| 1 | 20523.85 | Q025 | 706.00 | 874.50 | 880.47 |
| 1 | 20523.85 | Q050 | 831.00 | 874.50 | 880.97 |
| 1 | 20523.85 | Q100 | 958.00 | 874.50 | 881.60 |
| 1 | 20523.85 | Q200 | 1083.00 | 874.50 | 882.29 |
| 1 | 20523.85 | Q250 | 1126.00 | 874.50 | 882.53 |
| 1 | 20523.85 | Q500 | 1260.00 | 874.50 | 883.30 |
| 1 | 20214.92 | Q005 | 428.00 | 873.90 | 878.45 |
| 1 | 20214.92 | Q010 | 548.00 | 873.90 | 879.17 |
| 1 | 20214.92 | Q025 | 706.00 | 873.90 | 879.99 |
| 1 | 20214.92 | Q050 | 831.00 | 873.90 | 880.69 |
| 1 | 20214.92 | Q100 | 958.00 | 873.90 | 881.47 |
| 1 | 20214.92 | Q200 | 1083.00 | 873.90 | 882.23 |
| 1 | 20214.92 | Q250 | 1126.00 | 873.90 | 882.49 |
| 1 | 20214.92 | Q500 | 1260.00 | 873.90 | 883.28 |

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|---|----------|------|---------|--------|--------|
| 1 | 19966.43 | Q005 | 428.00 | 873.20 | 878.04 |
| 1 | 19966.43 | Q010 | 548.00 | 873.20 | 878.82 |
| 1 | 19966.43 | Q025 | 706.00 | 873.20 | 879.86 |
| 1 | 19966.43 | Q050 | 831.00 | 873.20 | 880.63 |
| 1 | 19966.43 | Q100 | 958.00 | 873.20 | 881.43 |
| 1 | 19966.43 | Q200 | 1083.00 | 873.20 | 882.20 |
| 1 | 19966.43 | Q250 | 1126.00 | 873.20 | 882.46 |
| 1 | 19966.43 | Q500 | 1260.00 | 873.20 | 883.26 |
| 1 | 19742.50 | Q005 | 428.00 | 873.00 | 877.85 |
| 1 | 19742.50 | Q010 | 548.00 | 873.00 | 878.72 |
| 1 | 19742.50 | Q025 | 706.00 | 873.00 | 879.80 |
| 1 | 19742.50 | Q050 | 831.00 | 873.00 | 880.59 |
| 1 | 19742.50 | Q100 | 958.00 | 873.00 | 881.40 |
| 1 | 19742.50 | Q200 | 1083.00 | 873.00 | 882.18 |
| 1 | 19742.50 | Q250 | 1126.00 | 873.00 | 882.44 |
| 1 | 19742.50 | Q500 | 1260.00 | 873.00 | 883.25 |
| 1 | 19474.55 | Q005 | 428.00 | 872.40 | 877.59 |
| 1 | 19474.55 | Q010 | 548.00 | 872.40 | 878.48 |
| 1 | 19474.55 | Q025 | 706.00 | 872.40 | 879.63 |
| 1 | 19474.55 | Q050 | 831.00 | 872.40 | 880.50 |
| 1 | 19474.55 | Q100 | 958.00 | 872.40 | 881.35 |
| 1 | 19474.55 | Q200 | 1083.00 | 872.40 | 882.15 |

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|---|----------|------|---------|--------|--------|
| 1 | 19474.55 | Q250 | 1126.00 | 872.40 | 882.42 |
| 1 | 19474.55 | Q500 | 1260.00 | 872.40 | 883.23 |
| 1 | 19260.40 | Q005 | 428.00 | 872.00 | 877.30 |
| 1 | 19260.40 | Q010 | 548.00 | 872.00 | 878.31 |
| 1 | 19260.40 | Q025 | 706.00 | 872.00 | 879.55 |
| 1 | 19260.40 | Q050 | 831.00 | 872.00 | 880.44 |
| 1 | 19260.40 | Q100 | 958.00 | 872.00 | 881.30 |
| 1 | 19260.40 | Q200 | 1083.00 | 872.00 | 882.10 |
| 1 | 19260.40 | Q250 | 1126.00 | 872.00 | 882.37 |
| 1 | 19260.40 | Q500 | 1260.00 | 872.00 | 883.19 |
| 1 | 19203.66 | Q005 | 428.00 | 871.90 | 877.19 |
| 1 | 19203.66 | Q010 | 548.00 | 871.90 | 878.17 |
| 1 | 19203.66 | Q025 | 706.00 | 871.90 | 879.35 |
| 1 | 19203.66 | Q050 | 831.00 | 871.90 | 880.23 |
| 1 | 19203.66 | Q100 | 958.00 | 871.90 | 881.07 |
| 1 | 19203.66 | Q200 | 1083.00 | 871.90 | 881.86 |
| 1 | 19203.66 | Q250 | 1126.00 | 871.90 | 882.12 |
| 1 | 19203.66 | Q500 | 1260.00 | 871.90 | 882.92 |
| 1 | 19175.00 | | Culvert | | |
| 1 | 18993.37 | Q005 | 420.00 | 867.40 | 872.46 |
| 1 | 18993.37 | Q010 | 537.00 | 867.40 | 872.93 |

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|---|----------|------|---------|--------|--------|
| 1 | 18993.37 | Q025 | 682.00 | 867.40 | 873.44 |
| 1 | 18993.37 | Q050 | 788.00 | 867.40 | 873.77 |
| 1 | 18993.37 | Q100 | 904.00 | 867.40 | 874.10 |
| 1 | 18993.37 | Q200 | 1022.00 | 867.40 | 874.43 |
| 1 | 18993.37 | Q250 | 1027.00 | 867.40 | 874.44 |
| 1 | 18993.37 | Q500 | 1095.00 | 867.40 | 874.62 |
| 1 | 18940.51 | Q005 | 420.00 | 867.40 | 872.25 |
| 1 | 18940.51 | Q010 | 537.00 | 867.40 | 872.73 |
| 1 | 18940.51 | Q025 | 682.00 | 867.40 | 873.24 |
| 1 | 18940.51 | Q050 | 788.00 | 867.40 | 873.58 |
| 1 | 18940.51 | Q100 | 904.00 | 867.40 | 873.94 |
| 1 | 18940.51 | Q200 | 1022.00 | 867.40 | 874.29 |
| 1 | 18940.51 | Q250 | 1027.00 | 867.40 | 874.30 |
| 1 | 18940.51 | Q500 | 1095.00 | 867.40 | 874.49 |
| 1 | 18727.12 | Q005 | 420.00 | 867.30 | 871.25 |
| 1 | 18727.12 | Q010 | 537.00 | 867.30 | 871.81 |
| 1 | 18727.12 | Q025 | 682.00 | 867.30 | 872.32 |
| 1 | 18727.12 | Q050 | 788.00 | 867.30 | 872.71 |
| 1 | 18727.12 | Q100 | 904.00 | 867.30 | 873.12 |
| 1 | 18727.12 | Q200 | 1022.00 | 867.30 | 873.52 |
| 1 | 18727.12 | Q250 | 1027.00 | 867.30 | 873.53 |
| 1 | 18727.12 | Q500 | 1095.00 | 867.30 | 873.75 |

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|---|----------|------|---------|--------|--------|
| 1 | 18683.44 | Q005 | 420.00 | 866.90 | 871.17 |
| 1 | 18683.44 | Q010 | 537.00 | 866.90 | 871.75 |
| 1 | 18683.44 | Q025 | 682.00 | 866.90 | 872.29 |
| 1 | 18683.44 | Q050 | 788.00 | 866.90 | 872.69 |
| 1 | 18683.44 | Q100 | 904.00 | 866.90 | 873.11 |
| 1 | 18683.44 | Q200 | 1022.00 | 866.90 | 873.52 |
| 1 | 18683.44 | Q250 | 1027.00 | 866.90 | 873.53 |
| 1 | 18683.44 | Q500 | 1095.00 | 866.90 | 873.75 |
| 1 | 18652.00 | | Bridge | | |
| 1 | 18612.45 | Q005 | 420.00 | 866.90 | 870.84 |
| 1 | 18612.45 | Q010 | 537.00 | 866.90 | 871.43 |
| 1 | 18612.45 | Q025 | 682.00 | 866.90 | 872.06 |
| 1 | 18612.45 | Q050 | 788.00 | 866.90 | 872.48 |
| 1 | 18612.45 | Q100 | 904.00 | 866.90 | 872.92 |
| 1 | 18612.45 | Q200 | 1022.00 | 866.90 | 873.34 |
| 1 | 18612.45 | Q250 | 1027.00 | 866.90 | 873.36 |
| 1 | 18612.45 | Q500 | 1095.00 | 866.90 | 873.58 |
| 1 | 18565.51 | Q005 | 420.00 | 866.10 | 870.67 |
| 1 | 18565.51 | Q010 | 537.00 | 866.10 | 871.28 |
| 1 | 18565.51 | Q025 | 682.00 | 866.10 | 871.91 |
| 1 | 18565.51 | Q050 | 788.00 | 866.10 | 872.34 |
| 1 | 18565.51 | Q100 | 904.00 | 866.10 | 872.76 |

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|---|----------|------|---------|--------|--------|
| 1 | 18565.51 | Q200 | 1022.00 | 866.10 | 873.16 |
| 1 | 18565.51 | Q250 | 1027.00 | 866.10 | 873.18 |
| 1 | 18565.51 | Q500 | 1095.00 | 866.10 | 873.40 |
| 1 | 18341.30 | Q005 | 420.00 | 865.70 | 870.35 |
| 1 | 18341.30 | Q010 | 537.00 | 865.70 | 870.97 |
| 1 | 18341.30 | Q025 | 682.00 | 865.70 | 871.61 |
| 1 | 18341.30 | Q050 | 788.00 | 865.70 | 872.04 |
| 1 | 18341.30 | Q100 | 904.00 | 865.70 | 872.46 |
| 1 | 18341.30 | Q200 | 1022.00 | 865.70 | 872.87 |
| 1 | 18341.30 | Q250 | 1027.00 | 865.70 | 872.89 |
| 1 | 18341.30 | Q500 | 1095.00 | 865.70 | 873.10 |
| 1 | 18116.15 | Q005 | 420.00 | 865.20 | 870.01 |
| 1 | 18116.15 | Q010 | 537.00 | 865.20 | 870.61 |
| 1 | 18116.15 | Q025 | 682.00 | 865.20 | 871.25 |
| 1 | 18116.15 | Q050 | 788.00 | 865.20 | 871.66 |
| 1 | 18116.15 | Q100 | 904.00 | 865.20 | 872.08 |
| 1 | 18116.15 | Q200 | 1022.00 | 865.20 | 872.47 |
| 1 | 18116.15 | Q250 | 1027.00 | 865.20 | 872.49 |
| 1 | 18116.15 | Q500 | 1095.00 | 865.20 | 872.70 |
| 1 | 17930.37 | Q005 | 420.00 | 864.90 | 869.63 |
| 1 | 17930.37 | Q010 | 537.00 | 864.90 | 870.19 |
| 1 | 17930.37 | Q025 | 682.00 | 864.90 | 870.79 |

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|---|----------|------|---------|--------|--------|
| 1 | 17930.37 | Q050 | 788.00 | 864.90 | 871.17 |
| 1 | 17930.37 | Q100 | 904.00 | 864.90 | 871.57 |
| 1 | 17930.37 | Q200 | 1022.00 | 864.90 | 871.94 |
| 1 | 17930.37 | Q250 | 1027.00 | 864.90 | 871.95 |
| 1 | 17930.37 | Q500 | 1095.00 | 864.90 | 872.15 |
| 1 | 17712.22 | Q005 | 420.00 | 864.50 | 869.26 |
| 1 | 17712.22 | Q010 | 537.00 | 864.50 | 869.80 |
| 1 | 17712.22 | Q025 | 682.00 | 864.50 | 870.37 |
| 1 | 17712.22 | Q050 | 788.00 | 864.50 | 870.75 |
| 1 | 17712.22 | Q100 | 904.00 | 864.50 | 871.13 |
| 1 | 17712.22 | Q200 | 1022.00 | 864.50 | 871.50 |
| 1 | 17712.22 | Q250 | 1027.00 | 864.50 | 871.51 |
| 1 | 17712.22 | Q500 | 1095.00 | 864.50 | 871.71 |
| 1 | 17525.30 | Q005 | 420.00 | 864.10 | 868.41 |
| 1 | 17525.30 | Q010 | 537.00 | 864.10 | 868.92 |
| 1 | 17525.30 | Q025 | 682.00 | 864.10 | 869.47 |
| 1 | 17525.30 | Q050 | 788.00 | 864.10 | 869.83 |
| 1 | 17525.30 | Q100 | 904.00 | 864.10 | 870.20 |
| 1 | 17525.30 | Q200 | 1022.00 | 864.10 | 870.55 |
| 1 | 17525.30 | Q250 | 1027.00 | 864.10 | 870.56 |
| 1 | 17525.30 | Q500 | 1095.00 | 864.10 | 870.75 |
| 1 | 17310.87 | Q005 | 420.00 | 863.40 | 868.05 |

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|---|----------|------|---------|--------|--------|
| 1 | 17310.87 | Q010 | 537.00 | 863.40 | 868.55 |
| 1 | 17310.87 | Q025 | 682.00 | 863.40 | 869.08 |
| 1 | 17310.87 | Q050 | 788.00 | 863.40 | 869.43 |
| 1 | 17310.87 | Q100 | 904.00 | 863.40 | 869.78 |
| 1 | 17310.87 | Q200 | 1022.00 | 863.40 | 870.12 |
| 1 | 17310.87 | Q250 | 1027.00 | 863.40 | 870.14 |
| 1 | 17310.87 | Q500 | 1095.00 | 863.40 | 870.32 |
| 1 | 17102.84 | Q005 | 420.00 | 862.80 | 867.00 |
| 1 | 17102.84 | Q010 | 537.00 | 862.80 | 867.47 |
| 1 | 17102.84 | Q025 | 682.00 | 862.80 | 867.99 |
| 1 | 17102.84 | Q050 | 788.00 | 862.80 | 868.33 |
| 1 | 17102.84 | Q100 | 904.00 | 862.80 | 868.69 |
| 1 | 17102.84 | Q200 | 1022.00 | 862.80 | 869.04 |
| 1 | 17102.84 | Q250 | 1027.00 | 862.80 | 869.06 |
| 1 | 17102.84 | Q500 | 1095.00 | 862.80 | 869.23 |
| 1 | 16895.15 | Q005 | 420.00 | 862.30 | 866.29 |
| 1 | 16895.15 | Q010 | 537.00 | 862.30 | 866.80 |
| 1 | 16895.15 | Q025 | 682.00 | 862.30 | 867.35 |
| 1 | 16895.15 | Q050 | 788.00 | 862.30 | 867.71 |
| 1 | 16895.15 | Q100 | 904.00 | 862.30 | 868.08 |
| 1 | 16895.15 | Q200 | 1022.00 | 862.30 | 868.46 |
| 1 | 16895.15 | Q250 | 1027.00 | 862.30 | 868.47 |
| 1 | 16895.15 | Q500 | 1095.00 | 862.30 | 868.64 |

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|---|----------|------|---------|--------|--------|
| 1 | 16689.74 | Q005 | 420.00 | 861.80 | 865.72 |
| 1 | 16689.74 | Q010 | 537.00 | 861.80 | 866.25 |
| 1 | 16689.74 | Q025 | 682.00 | 861.80 | 866.79 |
| 1 | 16689.74 | Q050 | 788.00 | 861.80 | 867.16 |
| 1 | 16689.74 | Q100 | 904.00 | 861.80 | 867.52 |
| 1 | 16689.74 | Q200 | 1022.00 | 861.80 | 867.91 |
| 1 | 16689.74 | Q250 | 1027.00 | 861.80 | 867.93 |
| 1 | 16689.74 | Q500 | 1095.00 | 861.80 | 868.10 |
| 1 | 16455.62 | Q005 | 420.00 | 861.20 | 865.32 |
| 1 | 16455.62 | Q010 | 537.00 | 861.20 | 865.87 |
| 1 | 16455.62 | Q025 | 682.00 | 861.20 | 866.47 |
| 1 | 16455.62 | Q050 | 788.00 | 861.20 | 866.87 |
| 1 | 16455.62 | Q100 | 904.00 | 861.20 | 867.27 |
| 1 | 16455.62 | Q200 | 1022.00 | 861.20 | 867.62 |
| 1 | 16455.62 | Q250 | 1027.00 | 861.20 | 867.63 |
| 1 | 16455.62 | Q500 | 1095.00 | 861.20 | 867.85 |
| 1 | 16226.12 | Q005 | 420.00 | 860.70 | 864.84 |
| 1 | 16226.12 | Q010 | 537.00 | 860.70 | 865.38 |
| 1 | 16226.12 | Q025 | 682.00 | 860.70 | 865.93 |
| 1 | 16226.12 | Q050 | 788.00 | 860.70 | 866.31 |
| 1 | 16226.12 | Q100 | 904.00 | 860.70 | 866.68 |
| 1 | 16226.12 | Q200 | 1022.00 | 860.70 | 867.02 |

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|---|----------|------|---------|--------|--------|
| 1 | 16226.12 | Q250 | 1027.00 | 860.70 | 867.03 |
| 1 | 16226.12 | Q500 | 1095.00 | 860.70 | 867.22 |
| 1 | 15977.03 | Q005 | 420.00 | 860.10 | 864.38 |
| 1 | 15977.03 | Q010 | 537.00 | 860.10 | 864.91 |
| 1 | 15977.03 | Q025 | 682.00 | 860.10 | 865.46 |
| 1 | 15977.03 | Q050 | 788.00 | 860.10 | 865.83 |
| 1 | 15977.03 | Q100 | 904.00 | 860.10 | 866.19 |
| 1 | 15977.03 | Q200 | 1022.00 | 860.10 | 866.52 |
| 1 | 15977.03 | Q250 | 1027.00 | 860.10 | 866.53 |
| 1 | 15977.03 | Q500 | 1095.00 | 860.10 | 866.71 |
| 1 | 15737.24 | Q005 | 420.00 | 859.50 | 863.94 |
| 1 | 15737.24 | Q010 | 537.00 | 859.50 | 864.44 |
| 1 | 15737.24 | Q025 | 682.00 | 859.50 | 864.92 |
| 1 | 15737.24 | Q050 | 788.00 | 859.50 | 865.26 |
| 1 | 15737.24 | Q100 | 904.00 | 859.50 | 865.58 |
| 1 | 15737.24 | Q200 | 1022.00 | 859.50 | 865.89 |
| 1 | 15737.24 | Q250 | 1027.00 | 859.50 | 865.90 |
| 1 | 15737.24 | Q500 | 1095.00 | 859.50 | 866.07 |
| 1 | 15482.88 | Q005 | 420.00 | 858.90 | 863.23 |
| 1 | 15482.88 | Q010 | 537.00 | 858.90 | 863.67 |
| 1 | 15482.88 | Q025 | 682.00 | 858.90 | 864.13 |
| 1 | 15482.88 | Q050 | 788.00 | 858.90 | 864.48 |

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|---|----------|------|---------|--------|--------|
| 1 | 15482.88 | Q100 | 904.00 | 858.90 | 864.81 |
| 1 | 15482.88 | Q200 | 1022.00 | 858.90 | 865.10 |
| 1 | 15482.88 | Q250 | 1027.00 | 858.90 | 865.11 |
| 1 | 15482.88 | Q500 | 1095.00 | 858.90 | 865.28 |
| 1 | 15271.69 | Q005 | 420.00 | 856.80 | 862.94 |
| 1 | 15271.69 | Q010 | 537.00 | 856.80 | 863.34 |
| 1 | 15271.69 | Q025 | 682.00 | 856.80 | 863.72 |
| 1 | 15271.69 | Q050 | 788.00 | 856.80 | 864.05 |
| 1 | 15271.69 | Q100 | 904.00 | 856.80 | 864.34 |
| 1 | 15271.69 | Q200 | 1022.00 | 856.80 | 864.59 |
| 1 | 15271.69 | Q250 | 1027.00 | 856.80 | 864.60 |
| 1 | 15271.69 | Q500 | 1095.00 | 856.80 | 864.75 |
| 1 | 15217.35 | Q005 | 420.00 | 856.80 | 862.86 |
| 1 | 15217.35 | Q010 | 537.00 | 856.80 | 863.26 |
| 1 | 15217.35 | Q025 | 682.00 | 856.80 | 863.63 |
| 1 | 15217.35 | Q050 | 788.00 | 856.80 | 863.96 |
| 1 | 15217.35 | Q100 | 904.00 | 856.80 | 864.25 |
| 1 | 15217.35 | Q200 | 1022.00 | 856.80 | 864.50 |
| 1 | 15217.35 | Q250 | 1027.00 | 856.80 | 864.51 |
| 1 | 15217.35 | Q500 | 1095.00 | 856.80 | 864.65 |
| 1 | 15199.00 | | Culvert | | |

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| 1 | 15162.83 | Q005 | 420.00 | 856.70 | 861.01 |
| 1 | 15162.83 | Q010 | 537.00 | 856.70 | 861.53 |
| 1 | 15162.83 | Q025 | 682.00 | 856.70 | 862.07 |
| 1 | 15162.83 | Q050 | 788.00 | 856.70 | 862.42 |
| 1 | 15162.83 | Q100 | 904.00 | 856.70 | 862.78 |
| 1 | 15162.83 | Q200 | 1022.00 | 856.70 | 863.12 |
| 1 | 15162.83 | Q250 | 1027.00 | 856.70 | 863.13 |
| 1 | 15162.83 | Q500 | 1095.00 | 856.70 | 863.31 |
| 1 | 15129.33 | Q005 | 420.00 | 856.70 | 860.32 |
| 1 | 15129.33 | Q010 | 537.00 | 856.70 | 860.79 |
| 1 | 15129.33 | Q025 | 682.00 | 856.70 | 861.28 |
| 1 | 15129.33 | Q050 | 788.00 | 856.70 | 861.59 |
| 1 | 15129.33 | Q100 | 904.00 | 856.70 | 861.91 |
| 1 | 15129.33 | Q200 | 1022.00 | 856.70 | 862.22 |
| 1 | 15129.33 | Q250 | 1027.00 | 856.70 | 862.24 |
| 1 | 15129.33 | Q500 | 1095.00 | 856.70 | 862.42 |
| 1 | 14923.29 | Q005 | 420.00 | 855.90 | 859.34 |
| 1 | 14923.29 | Q010 | 537.00 | 855.90 | 859.84 |
| 1 | 14923.29 | Q025 | 682.00 | 855.90 | 860.34 |
| 1 | 14923.29 | Q050 | 788.00 | 855.90 | 860.68 |
| 1 | 14923.29 | Q100 | 904.00 | 855.90 | 861.03 |
| 1 | 14923.29 | Q200 | 1022.00 | 855.90 | 861.37 |
| 1 | 14923.29 | Q250 | 1027.00 | 855.90 | 861.39 |

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|---|----------|------|---------|--------|--------|
| 1 | 14923.29 | Q500 | 1095.00 | 855.90 | 861.61 |
| 1 | 14705.05 | Q005 | 420.00 | 855.10 | 858.28 |
| 1 | 14705.05 | Q010 | 537.00 | 855.10 | 858.76 |
| 1 | 14705.05 | Q025 | 682.00 | 855.10 | 859.22 |
| 1 | 14705.05 | Q050 | 788.00 | 855.10 | 859.57 |
| 1 | 14705.05 | Q100 | 904.00 | 855.10 | 859.93 |
| 1 | 14705.05 | Q200 | 1022.00 | 855.10 | 860.32 |
| 1 | 14705.05 | Q250 | 1027.00 | 855.10 | 860.36 |
| 1 | 14705.05 | Q500 | 1095.00 | 855.10 | 860.64 |
| 1 | 14454.12 | Q005 | 420.00 | 854.10 | 857.65 |
| 1 | 14454.12 | Q010 | 537.00 | 854.10 | 858.13 |
| 1 | 14454.12 | Q025 | 682.00 | 854.10 | 858.57 |
| 1 | 14454.12 | Q050 | 788.00 | 854.10 | 858.95 |
| 1 | 14454.12 | Q100 | 904.00 | 854.10 | 859.34 |
| 1 | 14454.12 | Q200 | 1022.00 | 854.10 | 859.80 |
| 1 | 14454.12 | Q250 | 1027.00 | 854.10 | 859.86 |
| 1 | 14454.12 | Q500 | 1095.00 | 854.10 | 860.22 |
| 1 | 14192.27 | Q005 | 420.00 | 853.10 | 856.75 |
| 1 | 14192.27 | Q010 | 537.00 | 853.10 | 857.38 |
| 1 | 14192.27 | Q025 | 682.00 | 853.10 | 858.04 |
| 1 | 14192.27 | Q050 | 788.00 | 853.10 | 858.51 |
| 1 | 14192.27 | Q100 | 904.00 | 853.10 | 858.97 |

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| 1 | 14192.27 | Q200 | 1022.00 | 853.10 | 859.52 |
| 1 | 14192.27 | Q250 | 1027.00 | 853.10 | 859.60 |
| 1 | 14192.27 | Q500 | 1095.00 | 853.10 | 860.02 |
| 1 | 13985.82 | Q005 | 651.00 | 851.80 | 855.88 |
| 1 | 13985.82 | Q010 | 833.00 | 851.80 | 856.51 |
| 1 | 13985.82 | Q025 | 1068.00 | 851.80 | 857.12 |
| 1 | 13985.82 | Q050 | 1245.00 | 851.80 | 857.55 |
| 1 | 13985.82 | Q100 | 1434.00 | 851.80 | 857.97 |
| 1 | 13985.82 | Q200 | 1677.00 | 851.80 | 858.47 |
| 1 | 13985.82 | Q250 | 1713.00 | 851.80 | 858.54 |
| 1 | 13985.82 | Q500 | 1916.00 | 851.80 | 858.93 |
| 1 | 13755.63 | Q005 | 651.00 | 850.30 | 855.37 |
| 1 | 13755.63 | Q010 | 833.00 | 850.30 | 856.01 |
| 1 | 13755.63 | Q025 | 1068.00 | 850.30 | 856.62 |
| 1 | 13755.63 | Q050 | 1245.00 | 850.30 | 857.05 |
| 1 | 13755.63 | Q100 | 1434.00 | 850.30 | 857.47 |
| 1 | 13755.63 | Q200 | 1677.00 | 850.30 | 857.96 |
| 1 | 13755.63 | Q250 | 1713.00 | 850.30 | 858.03 |
| 1 | 13755.63 | Q500 | 1916.00 | 850.30 | 858.42 |
| 1 | 13444.29 | Q005 | 651.00 | 848.30 | 854.41 |
| 1 | 13444.29 | Q010 | 833.00 | 848.30 | 855.06 |
| 1 | 13444.29 | Q025 | 1068.00 | 848.30 | 855.57 |

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| 1 | 13444.29 | Q050 | 1245.00 | 848.30 | 855.97 |
| 1 | 13444.29 | Q100 | 1434.00 | 848.30 | 856.35 |
| 1 | 13444.29 | Q200 | 1677.00 | 848.30 | 856.81 |
| 1 | 13444.29 | Q250 | 1713.00 | 848.30 | 856.87 |
| 1 | 13444.29 | Q500 | 1916.00 | 848.30 | 857.25 |
| 1 | 13387.17 | Q005 | 651.00 | 848.30 | 854.28 |
| 1 | 13387.17 | Q010 | 833.00 | 848.30 | 854.90 |
| 1 | 13387.17 | Q025 | 1068.00 | 848.30 | 855.42 |
| 1 | 13387.17 | Q050 | 1245.00 | 848.30 | 855.81 |
| 1 | 13387.17 | Q100 | 1434.00 | 848.30 | 856.17 |
| 1 | 13387.17 | Q200 | 1677.00 | 848.30 | 856.60 |
| 1 | 13387.17 | Q250 | 1713.00 | 848.30 | 856.66 |
| 1 | 13387.17 | Q500 | 1916.00 | 848.30 | 857.01 |
| 1 | 13383.00 | | Bridge | | |
| 1 | 13351.78 | Q005 | 651.00 | 848.30 | 854.19 |
| 1 | 13351.78 | Q010 | 833.00 | 848.30 | 854.82 |
| 1 | 13351.78 | Q025 | 1068.00 | 848.30 | 855.31 |
| 1 | 13351.78 | Q050 | 1245.00 | 848.30 | 855.69 |
| 1 | 13351.78 | Q100 | 1434.00 | 848.30 | 856.04 |
| 1 | 13351.78 | Q200 | 1677.00 | 848.30 | 856.47 |
| 1 | 13351.78 | Q250 | 1713.00 | 848.30 | 856.53 |
| 1 | 13351.78 | Q500 | 1916.00 | 848.30 | 856.88 |

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|---|----------|------|---------|--------|--------|
| 1 | 13318.91 | Q005 | 651.00 | 849.20 | 853.78 |
| 1 | 13318.91 | Q010 | 833.00 | 849.20 | 854.40 |
| 1 | 13318.91 | Q025 | 1068.00 | 849.20 | 854.93 |
| 1 | 13318.91 | Q050 | 1245.00 | 849.20 | 855.35 |
| 1 | 13318.91 | Q100 | 1434.00 | 849.20 | 855.77 |
| 1 | 13318.91 | Q200 | 1677.00 | 849.20 | 856.30 |
| 1 | 13318.91 | Q250 | 1713.00 | 849.20 | 856.37 |
| 1 | 13318.91 | Q500 | 1916.00 | 849.20 | 856.78 |
| 1 | 13132.64 | Q005 | 651.00 | 848.50 | 852.76 |
| 1 | 13132.64 | Q010 | 833.00 | 848.50 | 853.47 |
| 1 | 13132.64 | Q025 | 1068.00 | 848.50 | 853.95 |
| 1 | 13132.64 | Q050 | 1245.00 | 848.50 | 854.35 |
| 1 | 13132.64 | Q100 | 1434.00 | 848.50 | 854.74 |
| 1 | 13132.64 | Q200 | 1677.00 | 848.50 | 855.30 |
| 1 | 13132.64 | Q250 | 1713.00 | 848.50 | 855.36 |
| 1 | 13132.64 | Q500 | 1916.00 | 848.50 | 855.66 |
| 1 | 12903.77 | Q005 | 651.00 | 847.50 | 852.07 |
| 1 | 12903.77 | Q010 | 833.00 | 847.50 | 852.68 |
| 1 | 12903.77 | Q025 | 1068.00 | 847.50 | 853.32 |
| 1 | 12903.77 | Q050 | 1245.00 | 847.50 | 853.71 |
| 1 | 12903.77 | Q100 | 1434.00 | 847.50 | 854.09 |
| 1 | 12903.77 | Q200 | 1677.00 | 847.50 | 854.71 |

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|---|----------|------|---------|--------|--------|
| 1 | 12903.77 | Q250 | 1713.00 | 847.50 | 854.76 |
| 1 | 12903.77 | Q500 | 1916.00 | 847.50 | 855.03 |
| 1 | 12683.31 | Q005 | 651.00 | 846.70 | 851.36 |
| 1 | 12683.31 | Q010 | 833.00 | 846.70 | 852.06 |
| 1 | 12683.31 | Q025 | 1068.00 | 846.70 | 852.66 |
| 1 | 12683.31 | Q050 | 1245.00 | 846.70 | 853.02 |
| 1 | 12683.31 | Q100 | 1434.00 | 846.70 | 853.37 |
| 1 | 12683.31 | Q200 | 1677.00 | 846.70 | 853.73 |
| 1 | 12683.31 | Q250 | 1713.00 | 846.70 | 853.78 |
| 1 | 12683.31 | Q500 | 1916.00 | 846.70 | 854.07 |
| 1 | 12425.03 | Q005 | 651.00 | 845.60 | 850.43 |
| 1 | 12425.03 | Q010 | 833.00 | 845.60 | 851.13 |
| 1 | 12425.03 | Q025 | 1068.00 | 845.60 | 851.83 |
| 1 | 12425.03 | Q050 | 1245.00 | 845.60 | 852.40 |
| 1 | 12425.03 | Q100 | 1434.00 | 845.60 | 852.88 |
| 1 | 12425.03 | Q200 | 1677.00 | 845.60 | 853.40 |
| 1 | 12425.03 | Q250 | 1713.00 | 845.60 | 853.46 |
| 1 | 12425.03 | Q500 | 1916.00 | 845.60 | 853.77 |
| 1 | 12171.20 | Q005 | 651.00 | 844.60 | 849.63 |
| 1 | 12171.20 | Q010 | 833.00 | 844.60 | 850.37 |
| 1 | 12171.20 | Q025 | 1068.00 | 844.60 | 851.10 |
| 1 | 12171.20 | Q050 | 1245.00 | 844.60 | 851.57 |

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|---|----------|------|---------|--------|--------|
| 1 | 12171.20 | Q100 | 1434.00 | 844.60 | 851.93 |
| 1 | 12171.20 | Q200 | 1677.00 | 844.60 | 852.37 |
| 1 | 12171.20 | Q250 | 1713.00 | 844.60 | 852.42 |
| 1 | 12171.20 | Q500 | 1916.00 | 844.60 | 852.66 |
| 1 | 11978.56 | Q005 | 651.00 | 843.90 | 849.15 |
| 1 | 11978.56 | Q010 | 833.00 | 843.90 | 849.85 |
| 1 | 11978.56 | Q025 | 1068.00 | 843.90 | 850.61 |
| 1 | 11978.56 | Q050 | 1245.00 | 843.90 | 851.07 |
| 1 | 11978.56 | Q100 | 1434.00 | 843.90 | 851.38 |
| 1 | 11978.56 | Q200 | 1677.00 | 843.90 | 851.76 |
| 1 | 11978.56 | Q250 | 1713.00 | 843.90 | 851.82 |
| 1 | 11978.56 | Q500 | 1916.00 | 843.90 | 852.13 |
| 1 | 11810.21 | Q005 | 651.00 | 843.20 | 848.41 |
| 1 | 11810.21 | Q010 | 833.00 | 843.20 | 849.08 |
| 1 | 11810.21 | Q025 | 1068.00 | 843.20 | 849.81 |
| 1 | 11810.21 | Q050 | 1245.00 | 843.20 | 850.30 |
| 1 | 11810.21 | Q100 | 1434.00 | 843.20 | 850.69 |
| 1 | 11810.21 | Q200 | 1677.00 | 843.20 | 851.03 |
| 1 | 11810.21 | Q250 | 1713.00 | 843.20 | 851.06 |
| 1 | 11810.21 | Q500 | 1916.00 | 843.20 | 851.28 |
| 1 | 11564.64 | Q005 | 651.00 | 842.50 | 847.42 |
| 1 | 11564.64 | Q010 | 833.00 | 842.50 | 848.11 |

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|---|----------|------|---------|--------|--------|
| 1 | 11564.64 | Q025 | 1068.00 | 842.50 | 848.83 |
| 1 | 11564.64 | Q050 | 1245.00 | 842.50 | 849.32 |
| 1 | 11564.64 | Q100 | 1434.00 | 842.50 | 849.83 |
| 1 | 11564.64 | Q200 | 1677.00 | 842.50 | 850.53 |
| 1 | 11564.64 | Q250 | 1713.00 | 842.50 | 850.57 |
| 1 | 11564.64 | Q500 | 1916.00 | 842.50 | 850.87 |
| 1 | 11328.42 | Q005 | 651.00 | 841.80 | 846.68 |
| 1 | 11328.42 | Q010 | 833.00 | 841.80 | 847.37 |
| 1 | 11328.42 | Q025 | 1068.00 | 841.80 | 848.09 |
| 1 | 11328.42 | Q050 | 1245.00 | 841.80 | 848.59 |
| 1 | 11328.42 | Q100 | 1434.00 | 841.80 | 849.09 |
| 1 | 11328.42 | Q200 | 1677.00 | 841.80 | 849.67 |
| 1 | 11328.42 | Q250 | 1713.00 | 841.80 | 849.77 |
| 1 | 11328.42 | Q500 | 1916.00 | 841.80 | 850.44 |
| 1 | 11101.42 | Q005 | 651.00 | 841.10 | 846.09 |
| 1 | 11101.42 | Q010 | 833.00 | 841.10 | 846.81 |
| 1 | 11101.42 | Q025 | 1068.00 | 841.10 | 847.52 |
| 1 | 11101.42 | Q050 | 1245.00 | 841.10 | 848.03 |
| 1 | 11101.42 | Q100 | 1434.00 | 841.10 | 848.53 |
| 1 | 11101.42 | Q200 | 1677.00 | 841.10 | 849.10 |
| 1 | 11101.42 | Q250 | 1713.00 | 841.10 | 849.18 |
| 1 | 11101.42 | Q500 | 1916.00 | 841.10 | 849.58 |

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|---|----------|------|---------|--------|--------|
| 1 | 10872.14 | Q005 | 651.00 | 840.40 | 845.73 |
| 1 | 10872.14 | Q010 | 833.00 | 840.40 | 846.46 |
| 1 | 10872.14 | Q025 | 1068.00 | 840.40 | 847.15 |
| 1 | 10872.14 | Q050 | 1245.00 | 840.40 | 847.64 |
| 1 | 10872.14 | Q100 | 1434.00 | 840.40 | 848.14 |
| 1 | 10872.14 | Q200 | 1677.00 | 840.40 | 848.72 |
| 1 | 10872.14 | Q250 | 1713.00 | 840.40 | 848.81 |
| 1 | 10872.14 | Q500 | 1916.00 | 840.40 | 849.25 |
| 1 | 10729.64 | Q005 | 651.00 | 840.00 | 845.31 |
| 1 | 10729.64 | Q010 | 833.00 | 840.00 | 846.04 |
| 1 | 10729.64 | Q025 | 1068.00 | 840.00 | 846.68 |
| 1 | 10729.64 | Q050 | 1245.00 | 840.00 | 847.16 |
| 1 | 10729.64 | Q100 | 1434.00 | 840.00 | 847.62 |
| 1 | 10729.64 | Q200 | 1677.00 | 840.00 | 848.19 |
| 1 | 10729.64 | Q250 | 1713.00 | 840.00 | 848.27 |
| 1 | 10729.64 | Q500 | 1916.00 | 840.00 | 848.75 |
| 1 | 10632.41 | Q005 | 651.00 | 840.70 | 845.23 |
| 1 | 10632.41 | Q010 | 833.00 | 840.70 | 845.93 |
| 1 | 10632.41 | Q025 | 1068.00 | 840.70 | 846.65 |
| 1 | 10632.41 | Q050 | 1245.00 | 840.70 | 847.14 |
| 1 | 10632.41 | Q100 | 1434.00 | 840.70 | 847.62 |
| 1 | 10632.41 | Q200 | 1677.00 | 840.70 | 848.20 |
| 1 | 10632.41 | Q250 | 1713.00 | 840.70 | 848.28 |

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|---|----------|------|---------|--------|--------|
| 1 | 10632.41 | Q500 | 1916.00 | 840.70 | 848.74 |
| 1 | 10618.00 | | Bridge | | |
| 1 | 10556.28 | Q005 | 651.00 | 840.70 | 845.08 |
| 1 | 10556.28 | Q010 | 833.00 | 840.70 | 845.81 |
| 1 | 10556.28 | Q025 | 1068.00 | 840.70 | 846.47 |
| 1 | 10556.28 | Q050 | 1245.00 | 840.70 | 846.94 |
| 1 | 10556.28 | Q100 | 1434.00 | 840.70 | 847.40 |
| 1 | 10556.28 | Q200 | 1677.00 | 840.70 | 847.95 |
| 1 | 10556.28 | Q250 | 1713.00 | 840.70 | 848.02 |
| 1 | 10556.28 | Q500 | 1916.00 | 840.70 | 848.46 |
| 1 | 10529.80 | Q005 | 651.00 | 839.70 | 844.75 |
| 1 | 10529.80 | Q010 | 833.00 | 839.70 | 845.46 |
| 1 | 10529.80 | Q025 | 1068.00 | 839.70 | 846.10 |
| 1 | 10529.80 | Q050 | 1245.00 | 839.70 | 846.55 |
| 1 | 10529.80 | Q100 | 1434.00 | 839.70 | 846.98 |
| 1 | 10529.80 | Q200 | 1677.00 | 839.70 | 847.48 |
| 1 | 10529.80 | Q250 | 1713.00 | 839.70 | 847.55 |
| 1 | 10529.80 | Q500 | 1916.00 | 839.70 | 847.96 |
| 1 | 10519.00 | | Bridge | | |
| 1 | 10501.83 | Q005 | 651.00 | 839.70 | 844.39 |

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|---|----------|------|---------|--------|--------|
| 1 | 10501.83 | Q010 | 833.00 | 839.70 | 845.01 |
| 1 | 10501.83 | Q025 | 1068.00 | 839.70 | 845.62 |
| 1 | 10501.83 | Q050 | 1245.00 | 839.70 | 846.02 |
| 1 | 10501.83 | Q100 | 1434.00 | 839.70 | 846.37 |
| 1 | 10501.83 | Q200 | 1677.00 | 839.70 | 846.76 |
| 1 | 10501.83 | Q250 | 1713.00 | 839.70 | 846.81 |
| 1 | 10501.83 | Q500 | 1916.00 | 839.70 | 847.12 |
| 1 | 10442.10 | Q005 | 651.00 | 839.60 | 844.26 |
| 1 | 10442.10 | Q010 | 833.00 | 839.60 | 844.89 |
| 1 | 10442.10 | Q025 | 1068.00 | 839.60 | 845.53 |
| 1 | 10442.10 | Q050 | 1245.00 | 839.60 | 845.93 |
| 1 | 10442.10 | Q100 | 1434.00 | 839.60 | 846.28 |
| 1 | 10442.10 | Q200 | 1677.00 | 839.60 | 846.67 |
| 1 | 10442.10 | Q250 | 1713.00 | 839.60 | 846.72 |
| 1 | 10442.10 | Q500 | 1916.00 | 839.60 | 847.04 |
| 1 | 10232.30 | Q005 | 651.00 | 838.30 | 843.14 |
| 1 | 10232.30 | Q010 | 833.00 | 838.30 | 843.75 |
| 1 | 10232.30 | Q025 | 1068.00 | 838.30 | 844.33 |
| 1 | 10232.30 | Q050 | 1245.00 | 838.30 | 844.77 |
| 1 | 10232.30 | Q100 | 1434.00 | 838.30 | 845.21 |
| 1 | 10232.30 | Q200 | 1677.00 | 838.30 | 845.74 |
| 1 | 10232.30 | Q250 | 1713.00 | 838.30 | 845.81 |
| 1 | 10232.30 | Q500 | 1916.00 | 838.30 | 846.27 |

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|---|----------|------|---------|--------|--------|
| 1 | 10057.15 | Q005 | 651.00 | 837.30 | 842.37 |
| 1 | 10057.15 | Q010 | 833.00 | 837.30 | 843.01 |
| 1 | 10057.15 | Q025 | 1068.00 | 837.30 | 843.89 |
| 1 | 10057.15 | Q050 | 1245.00 | 837.30 | 844.37 |
| 1 | 10057.15 | Q100 | 1434.00 | 837.30 | 844.84 |
| 1 | 10057.15 | Q200 | 1677.00 | 837.30 | 845.35 |
| 1 | 10057.15 | Q250 | 1713.00 | 837.30 | 845.42 |
| 1 | 10057.15 | Q500 | 1916.00 | 837.30 | 845.76 |
| 1 | 10014.31 | Q005 | 651.00 | 836.20 | 842.25 |
| 1 | 10014.31 | Q010 | 833.00 | 836.20 | 842.89 |
| 1 | 10014.31 | Q025 | 1068.00 | 836.20 | 843.64 |
| 1 | 10014.31 | Q050 | 1245.00 | 836.20 | 844.05 |
| 1 | 10014.31 | Q100 | 1434.00 | 836.20 | 844.44 |
| 1 | 10014.31 | Q200 | 1677.00 | 836.20 | 844.85 |
| 1 | 10014.31 | Q250 | 1713.00 | 836.20 | 844.91 |
| 1 | 10014.31 | Q500 | 1916.00 | 836.20 | 845.23 |
| 1 | 10005.00 | | Bridge | | |
| 1 | 9983.06 | Q005 | 651.00 | 836.20 | 842.16 |
| 1 | 9983.06 | Q010 | 833.00 | 836.20 | 842.80 |
| 1 | 9983.06 | Q025 | 1068.00 | 836.20 | 843.54 |
| 1 | 9983.06 | Q050 | 1245.00 | 836.20 | 843.94 |

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|---|---------|------|---------|--------|--------|
| 1 | 9983.06 | Q100 | 1434.00 | 836.20 | 844.31 |
| 1 | 9983.06 | Q200 | 1677.00 | 836.20 | 844.70 |
| 1 | 9983.06 | Q250 | 1713.00 | 836.20 | 844.75 |
| 1 | 9983.06 | Q500 | 1916.00 | 836.20 | 845.04 |
| 1 | 9957.15 | Q005 | 651.00 | 837.50 | 842.00 |
| 1 | 9957.15 | Q010 | 833.00 | 837.50 | 842.63 |
| 1 | 9957.15 | Q025 | 1068.00 | 837.50 | 843.38 |
| 1 | 9957.15 | Q050 | 1245.00 | 837.50 | 843.77 |
| 1 | 9957.15 | Q100 | 1434.00 | 837.50 | 844.12 |
| 1 | 9957.15 | Q200 | 1677.00 | 837.50 | 844.47 |
| 1 | 9957.15 | Q250 | 1713.00 | 837.50 | 844.52 |
| 1 | 9957.15 | Q500 | 1916.00 | 837.50 | 844.71 |
| 1 | 9766.64 | Q005 | 651.00 | 836.70 | 841.26 |
| 1 | 9766.64 | Q010 | 833.00 | 836.70 | 841.89 |
| 1 | 9766.64 | Q025 | 1068.00 | 836.70 | 842.53 |
| 1 | 9766.64 | Q050 | 1245.00 | 836.70 | 843.04 |
| 1 | 9766.64 | Q100 | 1434.00 | 836.70 | 843.58 |
| 1 | 9766.64 | Q200 | 1677.00 | 836.70 | 844.14 |
| 1 | 9766.64 | Q250 | 1713.00 | 836.70 | 844.21 |
| 1 | 9766.64 | Q500 | 1916.00 | 836.70 | 844.51 |
| 1 | 9587.47 | Q005 | 651.00 | 835.90 | 840.54 |
| 1 | 9587.47 | Q010 | 833.00 | 835.90 | 841.14 |

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|---|----------|------|---------|--------|--------|
| 1 | 9587.47 | Q025 | 1068.00 | 835.90 | 841.74 |
| 1 | 9587.47 | Q050 | 1245.00 | 835.90 | 842.09 |
| 1 | 9587.47 | Q100 | 1434.00 | 835.90 | 842.43 |
| 1 | 9587.47 | Q200 | 1677.00 | 835.90 | 842.91 |
| 1 | 9587.47 | Q250 | 1713.00 | 835.90 | 842.99 |
| 1 | 9587.47 | Q500 | 1916.00 | 835.90 | 843.51 |
| 1 | 9420.968 | Q005 | 651.00 | 835.20 | 839.69 |
| 1 | 9420.968 | Q010 | 833.00 | 835.20 | 840.20 |
| 1 | 9420.968 | Q025 | 1068.00 | 835.20 | 840.75 |
| 1 | 9420.968 | Q050 | 1245.00 | 835.20 | 841.16 |
| 1 | 9420.968 | Q100 | 1434.00 | 835.20 | 841.59 |
| 1 | 9420.968 | Q200 | 1677.00 | 835.20 | 842.07 |
| 1 | 9420.968 | Q250 | 1713.00 | 835.20 | 842.13 |
| 1 | 9420.968 | Q500 | 1916.00 | 835.20 | 842.46 |
| 1 | 9349.134 | Q005 | 651.00 | 834.90 | 839.30 |
| 1 | 9349.134 | Q010 | 833.00 | 834.90 | 839.90 |
| 1 | 9349.134 | Q025 | 1068.00 | 834.90 | 840.57 |
| 1 | 9349.134 | Q050 | 1245.00 | 834.90 | 841.06 |
| 1 | 9349.134 | Q100 | 1434.00 | 834.90 | 841.53 |
| 1 | 9349.134 | Q200 | 1677.00 | 834.90 | 842.06 |
| 1 | 9349.134 | Q250 | 1713.00 | 834.90 | 842.11 |
| 1 | 9349.134 | Q500 | 1916.00 | 834.90 | 842.44 |

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|---|----------|------|---------|--------|--------|
| 1 | 9277.16 | Q005 | 651.00 | 834.60 | 838.99 |
| 1 | 9277.16 | Q010 | 833.00 | 834.60 | 839.58 |
| 1 | 9277.16 | Q025 | 1068.00 | 834.60 | 840.16 |
| 1 | 9277.16 | Q050 | 1245.00 | 834.60 | 840.59 |
| 1 | 9277.16 | Q100 | 1434.00 | 834.60 | 841.00 |
| 1 | 9277.16 | Q200 | 1677.00 | 834.60 | 841.47 |
| 1 | 9277.16 | Q250 | 1713.00 | 834.60 | 841.53 |
| 1 | 9277.16 | Q500 | 1916.00 | 834.60 | 841.84 |
| 1 | 9098.36 | Q005 | 651.00 | 833.90 | 838.38 |
| 1 | 9098.36 | Q010 | 833.00 | 833.90 | 839.03 |
| 1 | 9098.36 | Q025 | 1068.00 | 833.90 | 839.59 |
| 1 | 9098.36 | Q050 | 1245.00 | 833.90 | 840.05 |
| 1 | 9098.36 | Q100 | 1434.00 | 833.90 | 840.49 |
| 1 | 9098.36 | Q200 | 1677.00 | 833.90 | 840.99 |
| 1 | 9098.36 | Q250 | 1713.00 | 833.90 | 841.05 |
| 1 | 9098.36 | Q500 | 1916.00 | 833.90 | 841.36 |
| 1 | 8901.338 | Q005 | 651.00 | 833.10 | 837.70 |
| 1 | 8901.338 | Q010 | 833.00 | 833.10 | 838.30 |
| 1 | 8901.338 | Q025 | 1068.00 | 833.10 | 839.04 |
| 1 | 8901.338 | Q050 | 1245.00 | 833.10 | 839.53 |
| 1 | 8901.338 | Q100 | 1434.00 | 833.10 | 840.00 |
| 1 | 8901.338 | Q200 | 1677.00 | 833.10 | 840.57 |
| 1 | 8901.338 | Q250 | 1713.00 | 833.10 | 840.66 |

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|---|----------|------|---------|--------|--------|
| 1 | 8901.338 | Q500 | 1916.00 | 833.10 | 841.12 |
| 1 | 8759.673 | Q005 | 651.00 | 832.60 | 836.74 |
| 1 | 8759.673 | Q010 | 833.00 | 832.60 | 837.30 |
| 1 | 8759.673 | Q025 | 1068.00 | 832.60 | 837.92 |
| 1 | 8759.673 | Q050 | 1245.00 | 832.60 | 838.34 |
| 1 | 8759.673 | Q100 | 1434.00 | 832.60 | 838.68 |
| 1 | 8759.673 | Q200 | 1677.00 | 832.60 | 839.04 |
| 1 | 8759.673 | Q250 | 1713.00 | 832.60 | 839.09 |
| 1 | 8759.673 | Q500 | 1916.00 | 832.60 | 839.35 |
| 1 | 8587.003 | Q005 | 651.00 | 831.80 | 836.19 |
| 1 | 8587.003 | Q010 | 833.00 | 831.80 | 836.79 |
| 1 | 8587.003 | Q025 | 1068.00 | 831.80 | 837.44 |
| 1 | 8587.003 | Q050 | 1245.00 | 831.80 | 837.87 |
| 1 | 8587.003 | Q100 | 1434.00 | 831.80 | 838.19 |
| 1 | 8587.003 | Q200 | 1677.00 | 831.80 | 838.49 |
| 1 | 8587.003 | Q250 | 1713.00 | 831.80 | 838.53 |
| 1 | 8587.003 | Q500 | 1916.00 | 831.80 | 838.74 |
| 1 | 8473.77 | Q005 | 651.00 | 831.30 | 835.53 |
| 1 | 8473.77 | Q010 | 833.00 | 831.30 | 836.06 |
| 1 | 8473.77 | Q025 | 1068.00 | 831.30 | 836.62 |
| 1 | 8473.77 | Q050 | 1245.00 | 831.30 | 836.99 |
| 1 | 8473.77 | Q100 | 1434.00 | 831.30 | 837.43 |