

Flood Insurance Study Hydrologic Analysis

for

*Glenrose and Central-Park Basins
City of Spokane Valley, Washington*

JULY 21, 2023

Prepared For:
City of Spokane Valley



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EXECUTIVE SUMMARY

A detailed hydrologic analysis of the Glenrose and Central Park (G-CP) watersheds in the City of Spokane Valley (City), City of Spokane (Spokane), and Spokane County (County) was conducted. The purpose of the analysis was to establish flood magnitude-frequency estimates for use in revising the special flood hazard area (SFHA) delineation on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Maps (FIRMs). The hydrologic analysis was conducted using the Hydrological Simulation Program FORTTRAN (HSPF; EPA, 1997). The flood frequency estimates developed from the HSPF model output will be used in the hydraulic simulation using RAS-2D (Army Corps of Engineers) to update existing FIRMs in the G-CP watersheds.

The hydrology of the G-CP watersheds was developed based on land cover, land use, soil, and geologic conditions that reflect existing hydrologic conditions. The G-CP HSPF model was developed based on the effective FEMA FIS HSPF model for the Chester Creek watershed, which is located immediately east and adjacent to the G-CP watersheds. The Chester Creek HSPF model was initially developed by HYDMET (1997) for watershed planning purposes (CH2M Hill, 1997) and was improved during the 2010 FIS re-study to include updated land used, routing tables, flood storage facilities, calibration, soil infiltration parameters that considered partially frozen ground conditions and drywells, and an extended simulation period (WEST 2004, 2008a, and 2008b). The Chester Creek HSPF model was then copied and used as the basis for the G-CP hydrology. The HSPF model was updated for G-CP watersheds by using the most recent topographic information, by including major stormwater facilities, and by extending the simulation period and re-calibrating the model parameters.

Stormwater facilities within the G-CP watersheds, such as drywells and evaporation ponds, were incorporated into the HSPF model. The hydrologic-process-related parameters were adopted from the Chester Creek watershed HSPF model and then further adjusted during the G-CP model calibration. The G-CP hydrologic simulation extends the existing Chester Creek's simulation period of 1948-2002 to the year of 2019, for a total simulation period of 71-years. The G-CP hydrologic simulation also calibrates the model to anecdotal flood events and is compared to regional information from adjacent basins. Peak flood discharges were then developed based on frequency analysis of the 71 years of simulated stream flow information and are presented in this report at locations of interest.

The key findings of the hydrologic analysis include:

- The 100-yr peak discharge along the mainstem of Glenrose Creek was estimated to be 12 cfs where it enters the City of Spokane Valley. This flow is gradually mitigated by evaporation ponds and diminished by infiltration in-stream, resulting in no flow joining the Borrow Pit at E 8th Ave and Canahan Rd. This finding matches information provided by the community which indicates that flood flows have not reached the Borrow Pit for at least the past 30 years (which is the period or record for which community personal have information).
- Only streamflow from Central Park reaches the Borrow Pit at E 8th Ave. and S Canahan Rd, where some infiltrates and then overflows to downstream towards west across the flat residential area and entering the City of Spokane, with an estimated 100-yr flood flow of 59 cfs.

- Bettman Creek is an important tributary to Central Park Creek. There are historical observations of overland flows and high flood peaks along the creek, as most of the upstream drainages are underlain by bedrock with limited permeabilities. The 100-yr estimate of 28 cfs from the HSPF model matches observations that the water level upstream of E 14th Ln was elevated to a level close to overtopping during flood events (personal communication, 2022).
- Peak flows along Central Park Creek entering the City are comprised of overland flow from the residential area in the east and by streamflow from upper Central Park watershed. The HSPF model simulation indicates that the majority of the Central Park flood inflows to the City originate from the residential area to the east of S Park Rd, and are estimated to be 18 cfs for the 1% annual-chance flood event, while streamflow from the upper watershed was estimated to be 7 cfs for the 1% annual-chance flood event.

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1 Introduction

In the southwest corner of the City of Spokane Valley (City), in Spokane County (County), Washington, stormwater from the Glenrose and Central Park (G-CP) watersheds enter and combine and then continue westward into the City of Spokane (Spokane). A vicinity map of the watersheds is shown in Figure 1.

Currently, the area surrounding the main channels of the G-CP watersheds within Spokane Valley are in Federal Emergency Management Agency (FEMA) Special Flood Hazard Areas (SFHAs) Zone A (1% annual-chance flood hazard area also referred to as 100-year flood hazard area) or Zone X (0.2% or 500-year annual flood hazard area) as published in the effective FEMA Flood Insurance Study (FIS) (FEMA, 2010). No detailed hydrologic or hydraulic analyses were performed for these watersheds and no base (1%-annual chance) flood elevations (BFEs) or depths were shown within these zones (Figure 2) on FEMA's Flood Insurance Rate Maps (FIRMs).

WEST Consultants, Inc. (WEST) is conducting a study to update the 1% annual-chance flood (also referred to as the base flood or 100-year flood) and the 0.2% annual-chance flood (500-year) SFHAs in portions of the G-CP watersheds. A detailed hydrologic analysis was conducted using the Hydrological Simulation Program - FORTTRAN (HSPF) to develop flood frequency relationships for G-CP watersheds. The flood frequency data will be used in newly developed hydraulic models in order to revise the SFHA delineations in the FIRMs.

The objective of this hydrologic study was to develop flood peak flows at key points within the G-CP watersheds. So, it is necessary to develop a hydrologic model that most reasonably represents flooding of the study area using reasonable rainfall-runoff modeling parameters. The developed HSPF G-CP hydrologic model includes:

- Runoff determined from historical precipitation records and applicable baseflows due to groundwater surfacing.
- Precipitation data from the Spokane International Airport, Parameter-elevation Relationships on Independent Slopes Model (PRISM) data, and records at two rain gages operated by Spokane.
- Subbasin boundaries and synthetic flows defined at key locations throughout the study area.
- Drywells, ponds (detention, retention, and evaporation), borrow pits, and other stormwater facilities located throughout the study area.
- Streamflow simulation results with observation-matching features, providing long-term hydrographs at key points within the G-CP watersheds.

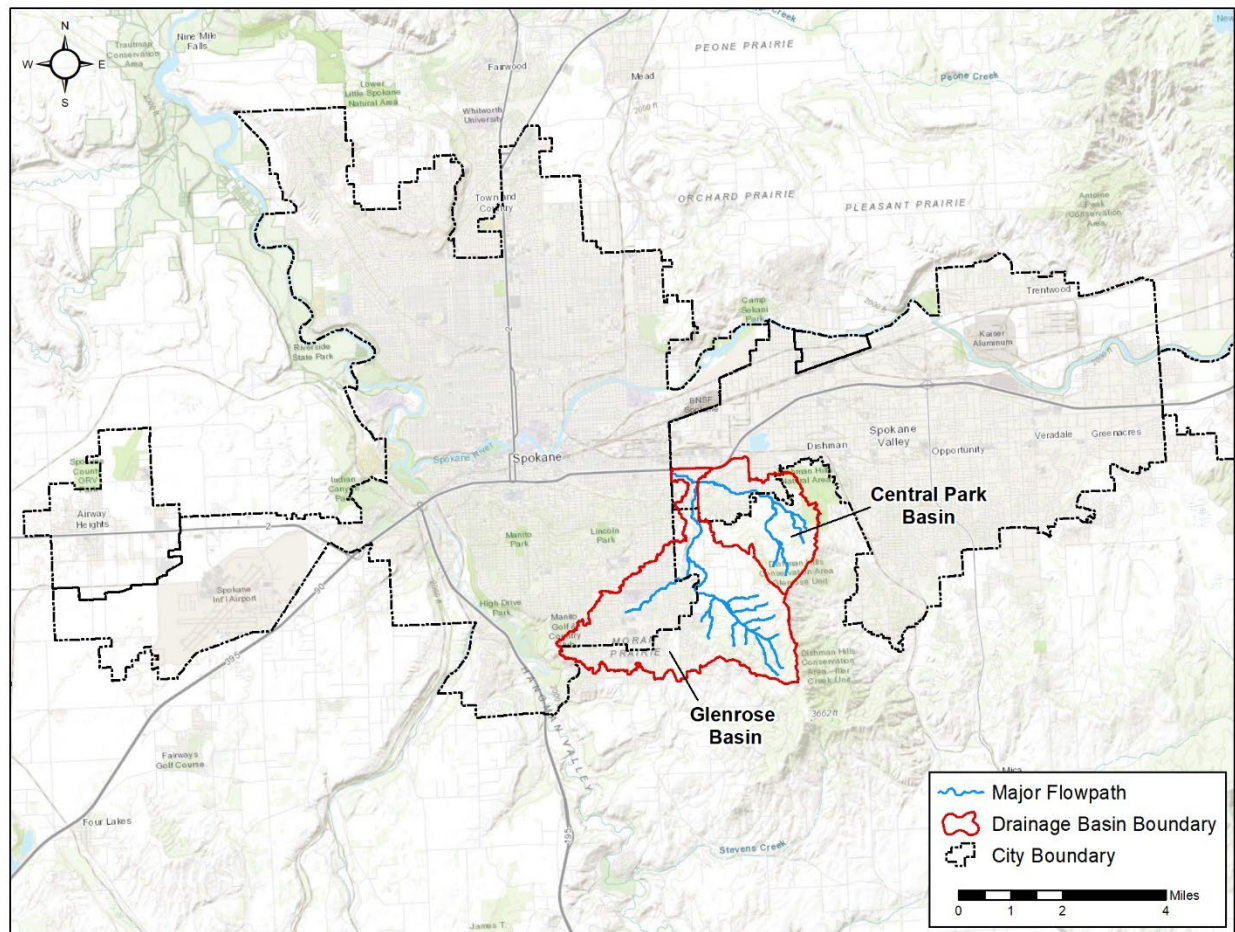


Figure 1: Vicinity Map

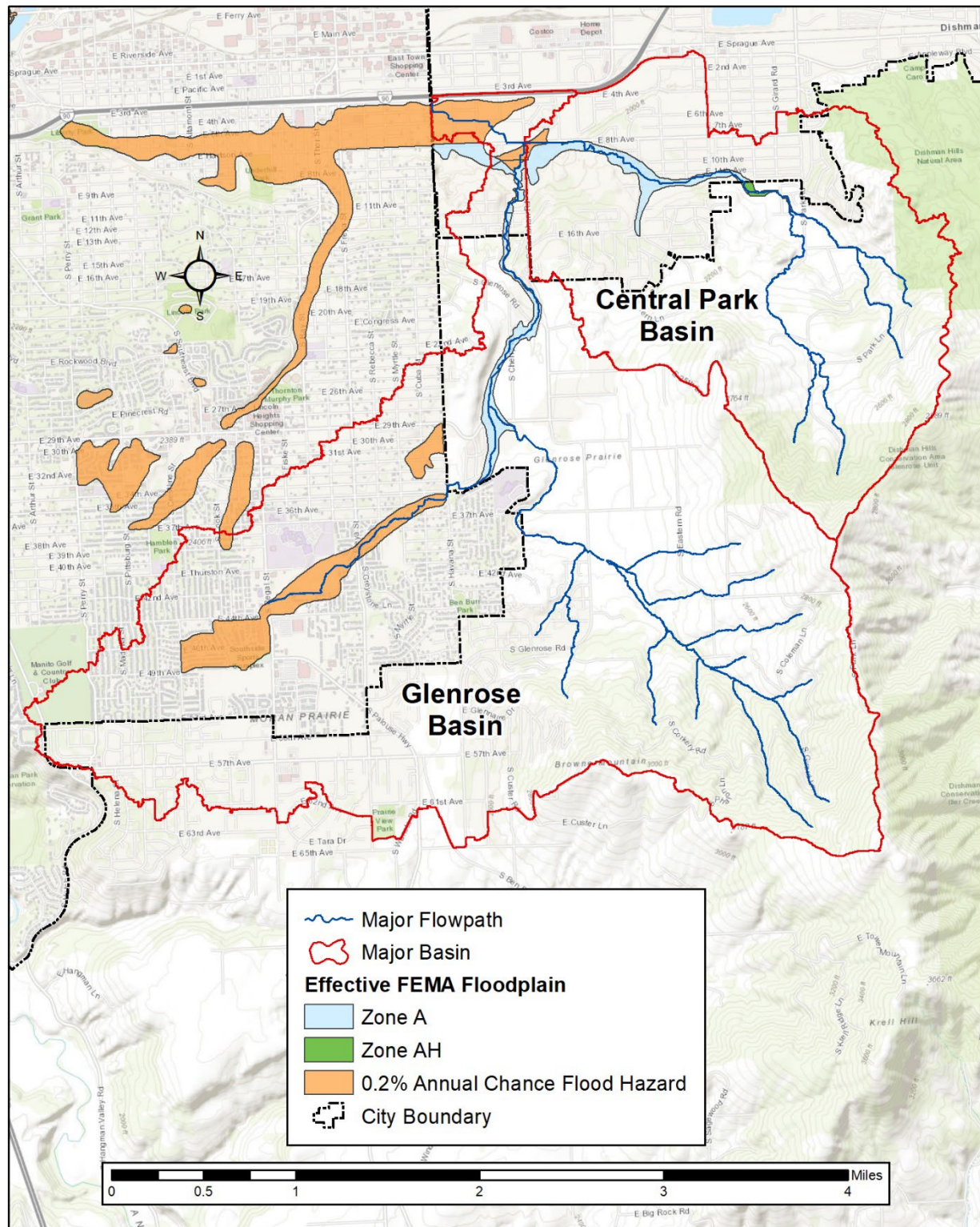


Figure 2: G-CP Basins with Major Flowpaths and Effective FEMA SFHAs

1.1 Watershed Characteristics

The G-CP watersheds are adjacent basins located south of Interstate 90 and roughly centered along South Havana Street (Figure 3). The watersheds have a combined area of approximately 12.3 square miles. Each basin has areas with flat slopes where development is concentrated and areas of mountainous terrain in which there is only sparse development.

The **Glenrose basin** is approximately 9 square miles, with elevations ranging from 1,935 ft in gently sloped areas in the northwest, to 3,660 ft in mountainous areas in the southeast. The majority of the basin is within the unincorporated Spokane County and the City of Spokane and only the most downstream portion is within the City of Spokane Valley. The area within the City and Spokane is mostly urbanized, while the area within the County is mostly rural. The stormwater in the drainage basin flows south to north, originating in the County and Spokane, and flows through the southwestern corner of the City before exiting into Spokane again to the west. While topography shows evidence of historic flows, it appears that most water is infiltrated into the ground prior to entering the City boundaries. In the City, groundwater flows occasionally appear to surface just southwest of 9th Ave and Carnahan Rd in a pond and overflow to the north into a ditch-system designed for local neighborhood stormwater flows. In the northern part of the basin and in spots within Spokane are areas of highly infiltrative, glacial flood-burst, outwash deposits.

The **Central Park basin** is approximately 3.3 square miles and covers areas within the City and the County. It primarily consists of mountainous areas (elevations up to 3,054 ft) in the southeast, and urbanized areas (approximate elevation of 1,940 ft) in the northwest portion of the basin. The headwaters of the basin are within the rural and undeveloped areas and the lower areas are primarily single-family residential. Stormwater in the County portion of the basin flows generally south to north, and then travels east to west through the City eventually joining the Glenrose channel at the gravel pit at 8th Ave and Carnahan Rd. From here the combined flows continue westward to Spokane. In the northern part of the basin are areas of highly infiltrative, glacial flood-burst, outwash deposits.

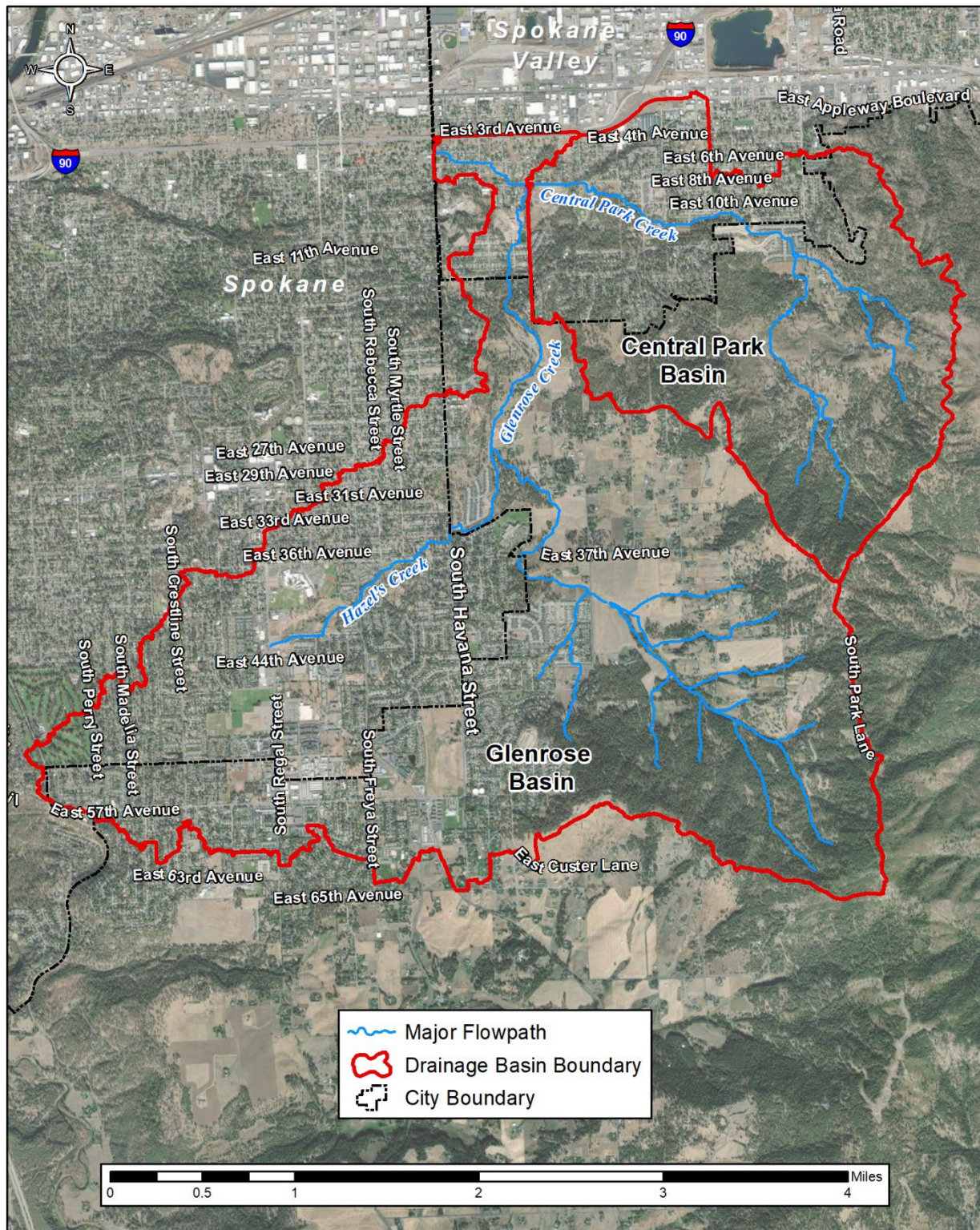


Figure 3: Watershed Map with Major Flowpaths

1.2 Climate

In general, the Spokane metro area has a mild, arid climate during the summer months and a cold, humid climate in the winter. Most of the air masses that reach the Spokane area are brought in by the prevailing westerly and southwesterly circulations. Also, there are storms that move eastward and southeastward from the Gulf of Alaska and the eastern Pacific Ocean but this moisture is mostly precipitated out as the storms are lifted across the Coast and Cascade Ranges. The mean annual precipitation over the G-CP watersheds is approximately 18.2 inches (Oregon Climate Service, 1997).

As air masses move up the east slope of the Columbia Basin, cooling and condensation frequently occurs that is necessary for formation of clouds and precipitation. Infrequently, the Spokane area comes under the influence of dry continental air masses from the north or east, resulting in high temperatures and very low humidity in the summer and sub-zero temperatures in the winter. In the winter, southward movements of severely cold arctic air masses generally occur on the east side of the Continental Divide and do not affect Spokane.

Approximately 70% of the total annual precipitation in the Spokane area falls between September and April and about half of that falls as snow. Winter weather includes many cloudy or foggy days and below freezing temperatures with occasional snowfall of several inches in depth. Sub-zero temperatures and large snowfalls are infrequent. Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 6 and the average last occurrence in the spring is May 4. The growing season usually extends over nearly six months from mid-April to mid-October. Irrigation is required for all crops except dry-land type grains.

1.3 Background and Flooding Problems

1.3.1 Background

According to FIRM panels 53063C-0568D, -0564D, -0563D, and -0727D, the majority of the 1% annual-chance floodplain within the G-CP watersheds is currently designated as Zone A, so no flood depths or base flood elevations are shown within the zones. Some areas are mapped as shaded Zone X, defined as areas of 0.2% annual chance flood (Figure 2). In many places, the FEMA SHFAs (some effective since at least 1992) do not match the existing topography and are likely inaccurate. To provide better flood risk data for floodplain management and flood insurance purposes, there is a need to delineate detailed, accurate floodplain boundaries. To provide good estimates of peak flood flow rates for use in hydraulic models, an HSPF hydrologic model, combined with statistical analysis of the model output is used to develop updated flood frequency peak flows.

1.3.2 Flooding Problems

According to the Glenrose/Central Park Stormwater Management Plan (MWH, 2002), stormwater runoff in the G-CP watersheds flows off of property and hillsides, ponds in low-lying areas, and infiltrates into the ground. Over much of the G-CP watersheds during intense storms or during snowmelt, localized flooding occurs and is associated with topography (slope of the land), nature of the soils, and the location and density of development. However, large flood flows with contributions from all parts of the watersheds do not occur.

In the Glenrose watershed, flooding typically occurs locally, caused by ponding in low areas, inadequate swale or culvert capacity, and/or high groundwater affecting infiltration facilities (drywells and swales). In the Central Park watershed, flooding also occurs locally in hillside areas, where development is prone to substantial damage without properly sized and configured integrated stormwater facilities, such as east of Park Rd along Beverly Drive, Center Drive, and Skyline Drive. The lower area of the Central Park watershed is relatively flat and contains substantial single-family residential development. Shallow flooding and ponding in this area occurs primarily along streets.

The stormwater problem description was developed using City of Spokane, City of Spokane Valley, and Spokane County complaint records from residents concerning flooding problems. Complaint records since 1993 were mapped and used for understanding current flooding locations (Figure 4).

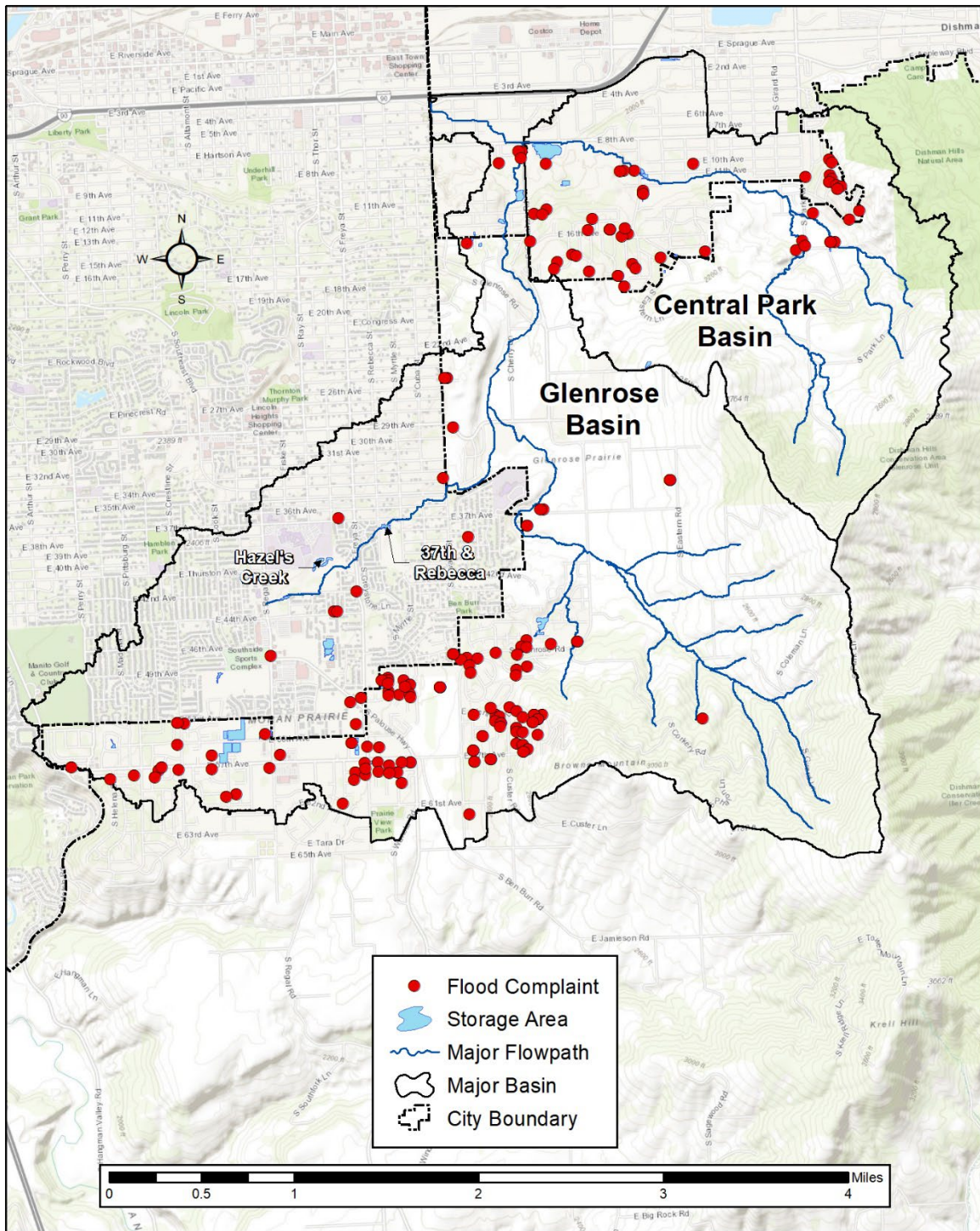


Figure 4: G-CP Flood Complaint, Storage Area and Major Flowpath Locations

1.3.3 Development Stormwater Controls

The principal method of control and disposal of runoff in the G-CP watersheds is through over 900 drywells. Most of the drywells have very high infiltration rates, some being measured at over 3 cfs. On the other hand, a number of drywells within the watersheds have experienced problems such as siltation and have reduced infiltration capacities. A number of drywells in the upper portion of the Glenrose watershed have standing water in them.

There are several large development-created retention basins within the G-CP watersheds. While evaluation of these systems was not an element of the watershed study, County staff have indicated that several facilities appear to work adequately, but a majority may not be functioning as required or maintained in a manner to permit proper operation. Major detention basins, including Hazel's Creek and 37th & Rebecca where infiltration rates were tested, were included in the HSPF model developed for the G-CP watersheds (see Section 2.6).

Based on conversations with ALLWEST during the site visit on April 28, 2021, some private water storage facilities (e.g., reservoirs) may exist on private land on Browne's Mountain, located in the upper Glenrose basin within the County; however, the presence of these facilities has not been confirmed and no other information is known. The presence of private storage facilities could vary and reduce the streamflow rates joining the Glenrose Creek main channel downstream.

2 HSPF Model Development

An HSPF model of the study area was developed to define required flood frequency data for G-CP Creeks (See Appendices for details). HSPF is a conceptual, continuous, hydrologic model where surface, shallow subsurface (interflow), and groundwater flows can be simulated, lagged, and combined as discharge into a stream network. The HSPF model was selected for two primary reasons: 1) It had been previously accepted by FEMA for application to the Chester Creek basin (next to the G-CP watersheds to the east) and the Chester Creek HSPF parameters were available, and 2) The HSPF model provides continuous simulation of hydrologic processes required to investigate the influence of land cover land use, soil infiltration capacity, geology, rainfall, and snowmelt over a long period of precipitation record which is necessary for developing peak discharges in an ungagged watershed. The following sections describe the methods and data used to develop the model for the current study.

2.1 Subbasin Definitions

The watershed was divided into 195 subbasins that were connected by channel reaches. Subbasin delineations were based on topography, hydrologic characteristics, the channel network, and locations where computed stream flows were desired. The G-CP watershed was subdivided as shown in Appendix-A1.

Several areas that can store floodwaters and affect the hydrology and floodplain of G-CP Creeks were located within the basin. Detention ponds were built to provide flood storage as stormwater facilities in areas with low terrains that experience more frequent flooding. The major flow paths and flood storage areas identified in the basin are shown in Figure 4.

2.2 Geology

The geology of the watersheds was defined based on a 1:24,000-scale mapping created by the Washington State Department of Natural Resources (DNR 2019). For hydrologic modeling purposes, each geologic association was assigned to one of two categories—bedrock or glacial outwash—as shown in Table 1 and Appendix-A2.

Table 1: Surficial Geologic Associations and Relationship to HSPF Geology Categories

Geologic Association	Geologic Code	HSPF Category
Mesozoic intrusive rocks	Ki	Bedrock
Miocene Columbia River Basalt Group, undivided	Mv(gR2)	Bedrock
Miocene Columbia River Basalt Group, undivided	Mv(wp)	Bedrock
Miocene Columbia River Basalt Group, undivided	Mwp	Bedrock
pre-Tertiary heterogeneous metamorphic rocks	pTmi	Bedrock
pre-Tertiary heterogeneous metamorphic rocks	pTog	Bedrock
Pleistocene outburst flood deposits	Qfcg	Outwash
Pleistocene outburst flood deposits	Qfg	Outwash
Pleistocene outburst flood deposits	Qfs	Outwash
Quaternary eolian deposits, loess	Ql	Bedrock
Quaternary mass-wasting deposits	Qmw	Bedrock
Precambrian metasedimentary rocks	Yms(r)	Bedrock

In general, the upper watersheds of G-CP area are underlain by bedrock. The majority of infiltrated moisture in these areas moves laterally along the bedrock surface, reaching the stream as interflow. The rate of interflow is proportional to the slope of the bedrock and is much slower than the rate of surface overland flow.

The areas along the major reaches of G-CP Creeks are underlain by deep, highly infiltrative, glacial flood-burst, outwash deposits. Soils formed in areas with glacial outwash deposits consist of sand and gravels that have high infiltration rates. The majority of rainfall in these areas infiltrates and percolates into the groundwater table. The elevation of the regional groundwater table is well below the G-CP streambed, and flow is quickly lost from the creek in the lower reaches underlain by the outwash deposits.

The permeability of soils formed over glacial flood deposits ranges from 2.5 to greater than 10 inches per hour, according to the Soil Conservation Service (SCS, 1968). Using single-ring infiltrometers, two infiltrometer tests were performed in the retention ponds in the upper watershed within Spokane, at 37th & Rebecca and Hazel's Creek. These tests revealed surface infiltration rates of 1.0 and 1.1 inches per hour, respectively. Fifteen representative drywell test sites were selected and tested using full-scale infiltration test procedures per the Spokane Regional Stormwater Manual (SRSW) as part of the development of the G-CP Creek hydrology study. The Design Normalized Outflow Rates at test drywell sites were calculated at 5.48×10^{-6} cfs - 1.56×10^{-1} cfs per ft of drywell depth (Table 3). For application across the G-CP watersheds, the drywell outflow rates were then correlated to the study area NRCS Hydrologic Soil Group types (Table 4). The resulting infiltration rates ranged from 2.27 inches per hour at the highest and 0.02 inches per hour at the lowest. All infiltration tests and related computations are discussed in Section 2.6, and Appendix E includes a detailed geotechnical report at tested drywells and retention ponds.

The rate of streamflow loss along the G-CP Creek is likely variable, depending on the amount of fine-grained material eroded from the upper reaches of the watersheds, which has been deposited over the glacial outwash deposits. Given the uncertainty in establishing the actual loss rate for the major reaches, some adjustment on parameters relating to infiltration featured were performed on the G-CP HSPF model during calibration processes.

2.3 Land Cover

Existing land use was used for all simulations. Land use was derived by an analysis of the 2019 data from the U.S. Geological Survey (USGS) National Land Cover Database for the basins (USGS 2021), which has been verified with current land cover conditions. Three land cover classes were considered in analyzing the watershed hydrology: effective impervious, developed pervious, and undeveloped pervious. The percentage of each cover allocated to the mapped land uses are shown in Table 2 below, according to relationships developed by Sutherland (1995).

Table 2: Land Use and Percentage of HSPF Cover Categories

Land Use	HSPF Land Cover Classes		
	Impervious (Effective Impervious)	Grass (Developed Pervious)	Forest (Undeveloped Pervious)
Barren Land	0%	0%	100%
Cultivated Crops	0%	0%	100%
Deciduous Forest	0%	0%	100%
Developed, High Intensity	86%	14%	0%
Developed, Medium Intensity	40%	60%	0%
Developed, Low Intensity	5%	95%	0%
Developed, Open Space	0%	100%	0%
Emergent Herbaceous Wetlands	0%	0%	100%
Evergreen Forest	0%	0%	100%
Hay/Pasture	0%	0%	100%
Herbaceous	0%	0%	100%
Open Water	0%	0%	100%
Shrub/Scrub	0%	0%	100%
Woody Wetlands	0%	0%	100%

2.4 HSPF PERLND Areas

The area within each subbasin was classified into areas of common land cover and geologic/soil type called pervious land segments (PERLNDs). The total surface area belonging to each PERLND type was computed using land use, geology, and topography overlaid in a GIS. The HSPF model computes the hydrologic response of each PERLND within a subbasin on a per-unit-area basis and proportions the amount of surface runoff, interflow and groundwater entering the stream from each subbasin consistent with the computed PERLND area totals. The land use used in the analysis is summarized in Appendix A-3.

2.5 Stream Definition/ Channel Routing

Runoff computed by the HSPF model is routed through the stream network using a kinematic wave hydrologic routing algorithm. The principal input for this routine is a stage-storage-discharge rating table, called an FTABLE, which was developed for each subbasin. FTABLEs were developed using open channel hydraulic calculations with normal depth computation (Chow, 1959) with a single representative cross section for each subbasin.

Though HSPF does not have specific stormwater management algorithms, the stormwater management facilities and functions, as discussed in the following section (Section 2.6), were simulated by modifying FTABLEs of stream segments that contain these features. The discharges by stormwater management facilities considered in FTABLEs include: the drywell draining capacity (the sum of Design Normalized Outflow Rates, discussed in Section 2.6.1) of all drywells within each subbasin; the storage capacity of retention basins (the sum of retention basin storages within each subbasin, discussed in Section 2.6.2); and the infiltration of retention basins (the sum of infiltration rates of all retention basins within each subbasin). During streamflow routing processes, channel outflow occurs after the total stormwater facilities' storage is filled and all draining/infiltration requirements have been met.

2.6 Stormwater Management Facilities

To capture the flood mitigation functions during large flood events in the G-CP area, representative stormwater facilities of drywells and retention ponds were incorporated into the HSPF model. Drywells are simulated in forms of water lost at drywell drainage rates, and retention ponds are simulated in forms of water lost at infiltration rates. Losses by evaporation are also computed by HSPF.

2.6.1 Drywells Tests and Simulations

Stormwater infiltration systems (drywells) collect local runoff and reduce possible floodwater contributions to G-CP Creeks. Drywells are essentially manholes with holes in the barrel wall that let water flow out into the surrounding soil. During large floods, drywell infiltration is limited by drywell capacities and restricted by the size of grate inlet, which was modeled as an orifice. Overflow from drywells within corresponding sub-watershed was routed downstream together with storage overflows.

The G-CP area has 6 hydrologic soil group (HSG) types, i.e., A, B, B/D, C, C/D, and D (NRCS, 2018). Based on soil types, 15 existing drywells were strategically selected for full-scale infiltration testing (Figure 5; Table 3; full report in Appendix E; Spokane Region, 2008). Representative soil infiltration was then computed by soil types and applied to the non-tested drywells for drywell drainage capacity estimation by the same soil type. Since the drywell tests were performed during September to December, when soil was considered to possibly be experiencing frozen or partially frozen conditions; therefore, the resulting infiltration rates may be lower than rates which occur in warmer months.

Normalized Outflow Rates (NOR) were computed at unit depth of drywells. The drainage capacity for each drywell (the Design Normalized Outflow Rates (DNOR)) was estimated using NOR multiplied by the maximum design drywell head (water depth) with a safety factor applied. The SRSM recommends a factor of safety of 1.3 to 2.5 be applied to the infiltration rates depending on the fines content of the native soil. Since the fines content is unknown for soils at the drywell installations, ALLWEST recommends a factor of safety of 2.5 be applied for drywell design. Representative maximum design drywell heads were 6 ft for single-depth drywells, 10 ft for double-depth drywells and 18 ft for triple-depth drywells (Table 3). For each NRCS Hydrologic Soil Groups, the average DNOR per depth of tested drywells was computed and summarized in Table 4. There was no drywell testing performed in Soil Group A; therefore, Group A soils were assigned the same infiltration rates as Soil Group B (a conservative assumption). There was only one drywell tested in Soil Group C, which shows an excessively high infiltration rate of 2.27 cfs/ft (Unit ID 90513800IN). Though the Soil Group C typically has lower infiltration capability than Soil Group A and B, the drywell testing result shows the opposite. Considering the locations of drywells in Soil Group C are mostly in shallow outwash deposits with high water percolation rates, and it is possible that the testing drywell reaches to the outwash deposit depth, this Soil Group C testing result was considered reasonable in G-CP area. With over 1,200 drywells and featured addresses and depths information available on record, the resulted average DNOR per depth of tested drywells were applied to un-tested drywells using soil types as references. A detailed geotechnical test report is in Appendix E.

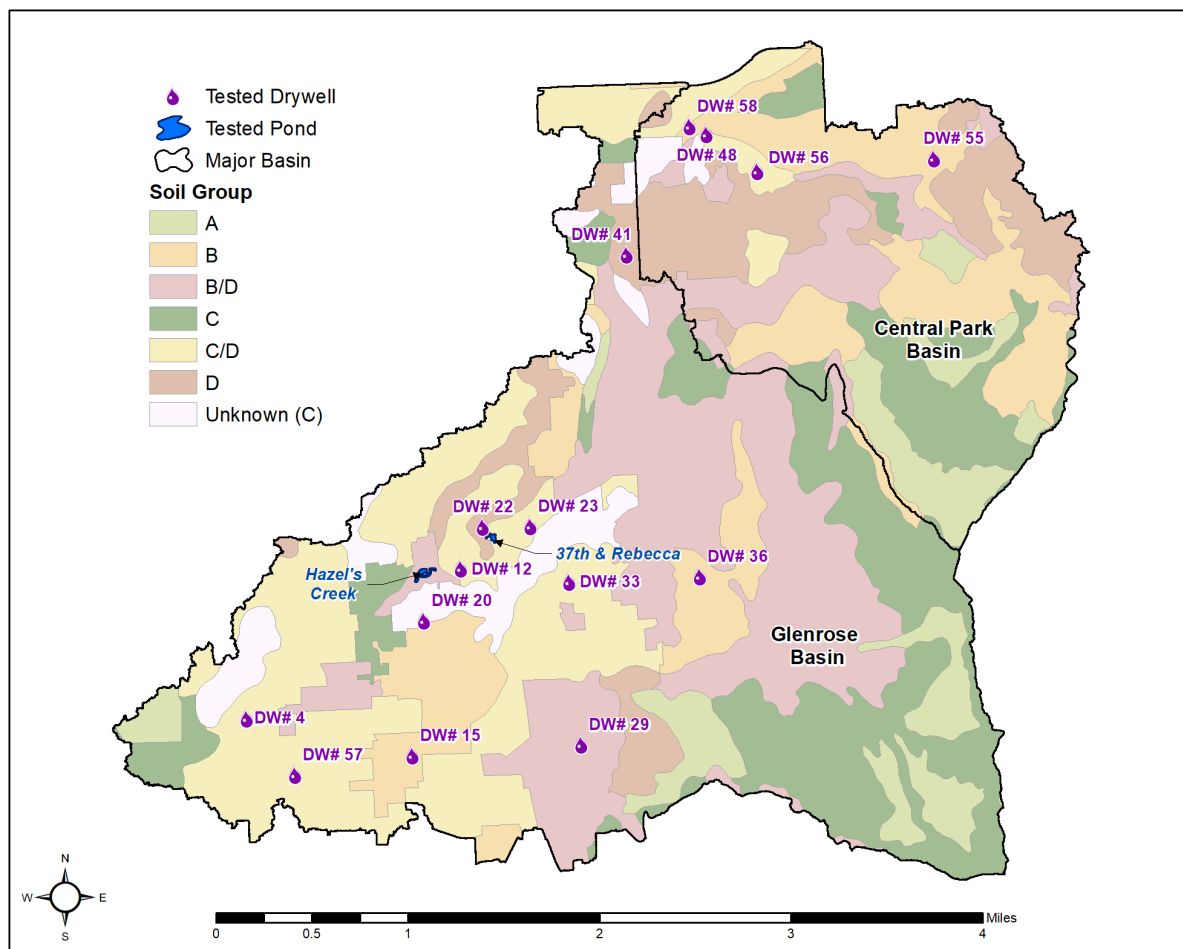


Figure 5: Drywell and Retention Pond Test Locations and HSGs

Table 3: Brief Review of Tested Results—Drywell and Retention Ponds

Full-Scale Drywell Test					
Drywell#	JURIS	Address	Design Normalized Outflow Rate (cfs/ft)	Drywell Type	Test Date
4	City of Spokane	S Magnolia St south of E 51 st Ave	3.00×10^{-2}	Double	09/23/21
12	City of Spokane	4000 Block of S Freya St	5.68×10^{-3}	Double	09/24/21
15	Spokane County	3100-3200 Block of E 55 th Ave	7.16×10^{-3}	Single	11/06/21
20	City of Spokane	E Diane Ct	5.48×10^{-6}	Single	09/23/21
22	City of Spokane	S Rebecca St & E 37 th Ave	1.03×10^{-2}	Double	11/12/21
23	City of Spokane	S Cuba St & E 37 th Ave	5.32×10^{-3}	Triple	11/06/21
29	Spokane County	S Morrill St & E 55 th Ave	3.52×10^{-3}	Double	09/28/21
33	City of Spokane	E 42 nd Ave & S Morrill Ct***	1.90×10^{-2}	Double	09/28/21
36	Spokane County	S Glenrose Rd & E 41 st Ave	2.37×10^{-2}	Triple	09/29/21
41	Spokane County	S Kahuna Dr	3.31×10^{-2}	Single	10/01/21
48	City of Spokane Valley	E. 8th and S. Woodlawn Rd	1.56×10^{-1}	Double	11/06/21

Full-Scale Drywell Test					
Drywell#	JURIS	Address	Design Normalized Outflow Rate (cfs/ft)	Drywell Type	Test Date
55	City of Spokane Valley	S Edgerton Rd & E 10 th Ave	4.28×10^{-2}	Double	11/12/21
56	City of Spokane Valley	S Dickey St & E 11 th Ave	7.32×10^{-2}	Triple	12/22/21
57	Spokane County	S Leeway Ct	6.28×10^{-3}	Double	10/01/21
58	City of Spokane Valley	S Koren Rd & E Eastwood Ave	1.37×10^{-2}	Single	10/01/21
Single-Ring Infiltrometer Retention Pond Test					
Test Location	JURIS	Address	Actual Infiltration Rates (inch/hr)	-	Test Date
INF-1	City of Spokane	37 th & Rebecca	1.0	-	11/11/21
INF-2	City of Spokane	Hazel's Creek	1.1	-	11/11/21

Table 4: Summary of Drywell Infiltrate Rates Applied to Featured Soil Types

NRCS Hydrologic Soil Group	Number of Tested Drywells	Drywell Infiltration Rate (cfs/ft) -adopted from Drywell Testing Results
A	0	0.022
B	4	0.022
B/D	1	0.004
C	1	2.270
C/D	10	0.055
D	2	0.022
Unknown (Type C)	1	2.270

2.6.2 Retention/Infiltration Ponds

Out of all the existing stormwater storage facilities within the G-CP watersheds, including swales, detention ponds, and evaporation ponds, 20 locations were identified with storage area larger than 0.5 acre-ft (Table 5), assuming the storage lower than 0.5 acre-ft would be filled in full before the peak floods occur and would not contribute to the flood mitigation of flood peaks. The storage capacities were estimated using light detection and ranging (LiDAR) data (2015) because the G-CP Creeks are mostly dry and the updated LiDAR data are able to capture terrain contours and the urbanization development by the capture year of the LiDAR (2015).

All stormwater storage areas considered in the HSPF G-CP model are simulated as a water storage term within the corresponding sub-watershed. Only overflows from storages will be routed downstream, and the water being stored in these areas eventually evaporates and/or infiltrates into the ground.

Two retention ponds, at 37th & Rebecca and Hazel's Creek, were identified as the two most critical storage facilities within Spokane (Table 3). These latter two ponds had single-ring infiltrometer tests performed by ALLWEST (Appendix E).

Table 5: Summary of Storage Ponds with Featured Storage Capacity and Surface Area

	Name	Area (acre)	Volume (acre-ft)	Type
1	E 1 st Ave & S Eastern Rd	0.480	1.38	Swale
2	8 th & Carnahan Pit	6.242	18.13	Pit
3	Carnahan	1.322	12.22	Swale
4	Bettman & Dickey	0.626	2.11	Swale
5	Loyd Ln	0.724	2.38	Swale
6	25 th Ln	0.387	1.78	Stormwater Pond
7	37 th & Rebecca	0.807	2.61	City of Spokane Ponds
8	Hazel's Creek	1.632	6.30	City of Spokane Ponds
9	Adirondack Ponds	0.306	0.85	City of Spokane Ponds
10	46 th Ave & Sumac Ln	1.991	9.65	Stormwater Pond
11	Palouse Family Apts	2.686	9.17	City of Spokane Ponds
12	Rebecca St	0.439	1.91	Stormwater Pond
13	Radio Towers at Altamont	0.355	0.53	City of Spokane Ponds
14	Glenrose Rd	0.367	1.63	Stormwater Pond
15	Regal Rd & 55 th Ave, 57 th Ave	4.070	12.92	Stormwater Pond
16	55 th Ave, Thor St	0.949	2.11	Stormwater Pond
17	57 th Ave	0.459	2.44	Evaporation Pond
18	54 th Ln	0.259	1.10	Swale
19	57 th Ave	4.223	15.25	Evaporation Pond
20	Sycamore St	0.238	0.77	Stormwater Pond
21	Pit South	0.673	5.13	Swale

2.7 Climate Time Series Input

Snow accumulation and melt was included in the hydrologic computations performed by the HSPF model. HSPF uses an energy budget snow simulation algorithm that requires a number of time series data in addition to precipitation and evaporation. These additional time series included: temperature, solar radiation, wind, and dew point. The simulation period was based on hourly data for the Spokane International Airport weather station (Station 45-7938), which spanned October 1948 through September 2019. Several of the required time series data were not available or were incomplete over this period. Estimation equations/algorithms were used to fill in the missing portions of the time series, as described in the following sections.

2.7.1 Precipitation

Meteorologic data were collected from Spokane, National Oceanic and Atmospheric Administration (NOAA), and PRISM. After comparing the data continuity, availability, and monthly variation characteristics, the hourly precipitation data from the Spokane International Airport Station, elevated at 2,355 ft, from October 1948 through September 2019 were used. The Spokane International Airport record was transposed to the project site according to the ratio of the mean annual precipitation for the watershed and gage locations.

The three closest precipitation gaging stations: Fire Station #8 and 23rd & Ray (both sourced from Spokane), and the Felts Field airport (sourced from NOAA), were used to compute the adjustment ratio. For Fire Station #8 and 23rd & Ray, using the longest available data period of 2004 – 2013, the

watershed mean annual precipitation was determined to be 22.7 inches. Compared to the annual precipitation at the Spokane International Airport records during the same time period, the precipitation adjustment factor was computed at 1.03. For Felts Field airport, by using the longest data period of 2006 – 2019, the watershed mean annual precipitation was determined to be 25.9 inches and the precipitation adjustment factor was computed at 1.14. Therefore, the station-weighted value between these stations is 1.07.

The transposed precipitation was further adjusted for each hydrogeologic unit categorized in the HSPF model (Section 2.4) by their elevation differences. Using the averaged elevation of the three gaging stations as a reference, a 5% increase in precipitation was applied to each hydrogeologic unit for every 100 ft increase in elevation. As summarized in Table 6, *Developed, Outwash* has an average elevation of 2,226 ft; *Developed, Bedrock* has an average elevation of 2,372 ft; *Undeveloped, Outwash* has an average elevation of 2,246 ft; and *Undeveloped, Bedrock* has an average elevation of 2,576 ft. The average elevation of three selected stations is estimated to be similar to *Developed, Outwash*.

Table 6: Summary of Average Elevation by Each Hydrogeologic Unit

PERLND	Average Elevation (ft)
Undeveloped, Bedrock	2,576
Developed, Bedrock	2,372
Undeveloped, Outwash	2,246
Developed, Outwash	2,226

2.7.1.1 Precipitation Features and Trends -Annual

Within the precipitation data collected at different meteorological gaging stations near the project area, a general trend is noticed; there is higher-than-average precipitation in the most recent 18 years (2002-2019). To verify the precipitation, the annual precipitation was compared among stations at Spokane International Airport, Felts Field airport, Fire Station #8, and 23rd & Ray, as well as data from PRISM (Figure 6). PRISM data for the project area shows a mean annual rainfall of 18.2 inches for the years 1948 to 2019. However, PRISM annual precipitation values for years 2002 to 2019 are all above the mean annual precipitation of 18.2 inches. Further, gages data at 23rd & Ray, Fire Station 8, and Spokane Felts Field Airport show annual precipitation reaching a range of 25 – 32 inches during the years of 2004, 2006, 2008, 2010, 2012, 2016, 2017, and 2019 (Table 7). The annual precipitation at Fire Station 8 reaches at high as 39 inches during the year of 2010.

Table 7: Summary of Annual Precipitation Trends—Annual Average before 2002 and Outstanding Annual Precipitation after 2002, in inches

	Before 2002	2004	2006	2008	2010	2012	2016	2017	2019
Spokane International Airport	17.3	21.2	26.5	21.4	23.0	23.5	20.4	33.5	22.5
Felts Field Airport	NA	NA	27.8	26.6	30.1	28.3	31.6	32.3	27.4

23 rd & Ray	NA	27.0	25.5	16.3	22.9	29.8	NA	NA	NA
Fire Station #8	NA	22.5	22.8	25.6	39.4	22.8	NA	NA	NA
PRISM	17.7	16.0	20.7	17.1	23.4	25.8	25.7	27.8	19.5

2.7.1.2 Precipitation Features and Trends - Monthly

To investigate the monthly changes during the recent years, mean monthly precipitation was aggregated over two time periods: before 2000, from October 1, 1948, to September 30, 2000, and after 2000, from October 1, 2000 to September 30, 2019, as shown in Figure 7. Synoptic Analysis was performed using Data Management module of BASINS version 4.5 (EPA 2019). The analysis results show that there are increases in mean monthly precipitation volume for all months except August. In summer seasons, especially in early-spring and summer, the precipitation volume increases are 71% in April, 34% in May, 27% in June, and 26% in July. The precipitation volume in the winter has increased 48% in November, 16% in December, and 30% in January.

The synoptic analysis also shows that mean monthly precipitation intensity (in/hr) is generally greater after 2000 than before 2000 (Figure 8). Precipitation intensity has increased, especially in April, June, July, and November, which suggests a possibility of larger floods during early-spring and summer, potentially caused by rain on snow, snowmelt, and thunderstorms.

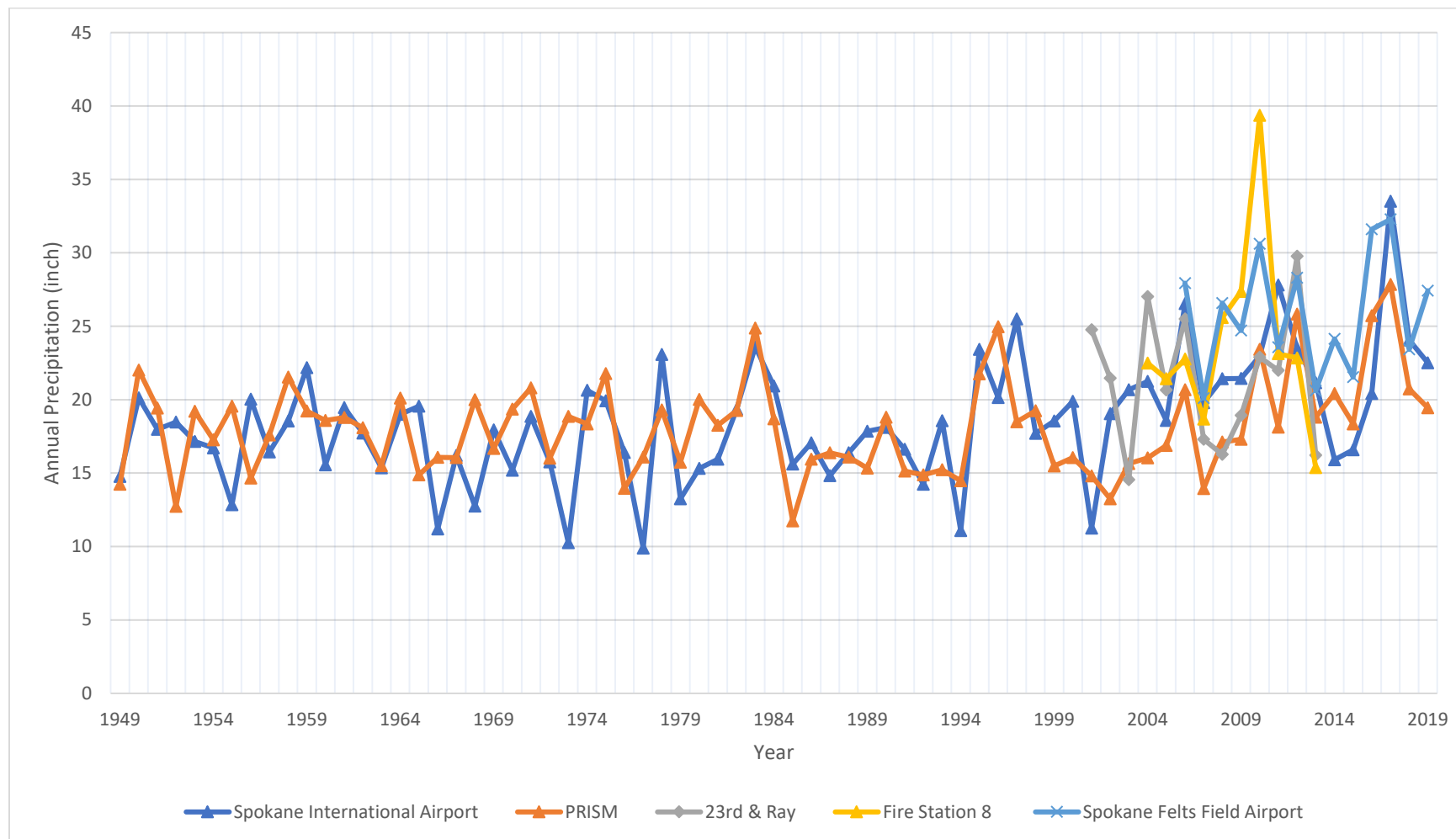


Figure 6: Annual Precipitation from Various Datasets—1948 to 2019

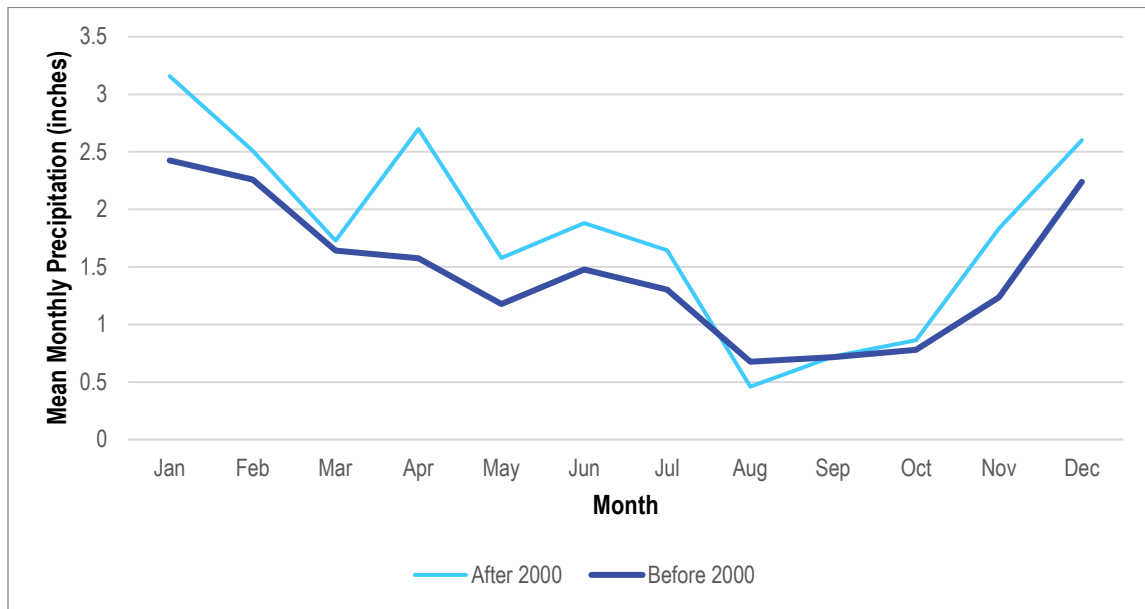


Figure 7: Mean Monthly Precipitation Comparison, Spokane International Airport, Before and After 2000

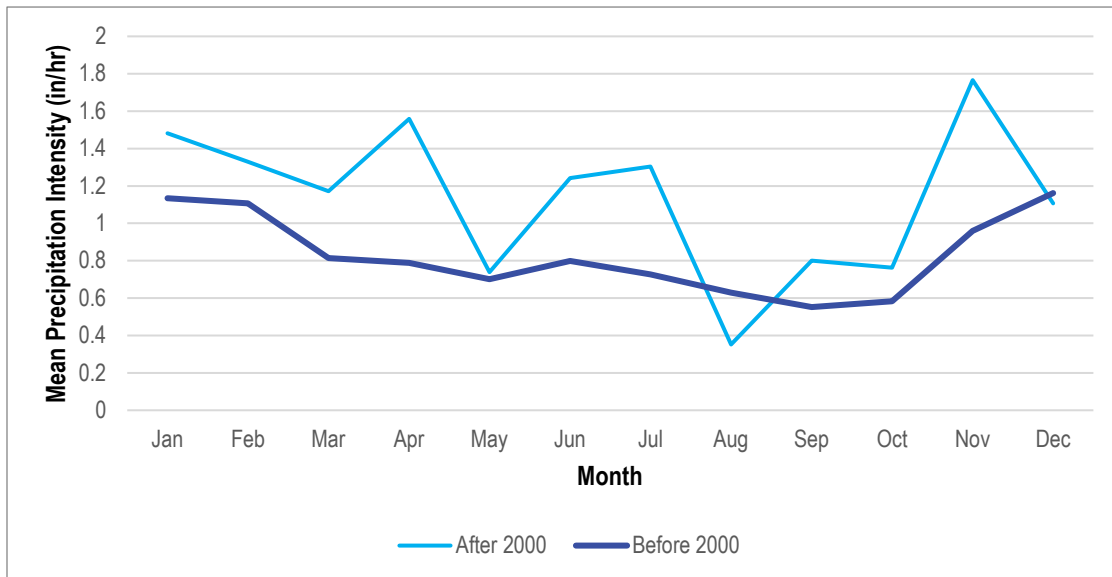


Figure 8: Mean Monthly Precipitation Intensity Comparison, Spokane International Airport, Before and After 2000

2.7.2 Temperature

Hourly temperature data were derived from daily maximum and minimum temperature data from Spokane Airport. A disaggregation routine was used to distribute the daily maximum and minimum temperatures to hourly values. This routine assumes that the minimum occurs at 6 AM and the maximum occurs at 4 PM for each day. The temperature was further adjusted by elevation differences between the gage input and geologic units, using lapse rates ranging between 0.0035 to 0.005 °F/ft.

2.7.3 Solar Radiation

Daily solar radiation was estimated using an approach by Hamon et al. (1954), which required inputs of daily cloud cover and watershed latitude. Daily cloud cover was available from the Spokane International Airport gage from 1965 through 1995. Mean monthly cloud cover for rainy versus rain free days was computed using this information, which was subsequently used to estimate cloud cover for missing periods.

2.7.4 Evaporation

Daily potential evapotranspiration was estimated for the simulation period using the Jensen-Haise (ASCE, no date) approach, which uses inputs of daily average air temperature and solar radiation. Daily pan evaporation data were available for the Spokane International Airport Station from 1966 through 1996. The estimated values compared favorably with the available pan evaporation data collected at the Spokane Airport. The pan evaporation data were scaled by 0.72 to convert from pan evaporation to potential evapotranspiration for the comparisons. The computed daily potential evapotranspiration was used in the current study.

2.7.5 Dew Point Temperature

Daily dew point temperatures were available from the Spokane International Airport from 1984 through 2019. Before 1984, daily minimum temperature was used to estimate the dew point temperature.

2.7.6 Wind Speed

Daily wind speeds were available from the Spokane International Airport from 1984 through 2019. Before 1984, mean monthly wind speeds were used.

3 HSPF Model Calibration

Calibration of the HSPF model was performed to ensure that the hydrologic processes simulated by the model were representative of the conditions in the G-CP watersheds. Hourly climate data were used as the input to the model, and the model parameters were adopted from Chester Creek HSPF model (WEST 2004) and adjusted until simulated flow rates matched as close to historical observations and anecdotal events as possible.

The calibration was accomplished in a two-step process. First, the parameters controlling snow accumulation and melt were calibrated to observed snow depth data collected at the Spokane International Airport for water years 1948 through 2019. Second, the parameters controlling runoff were calibrated to the general observations of flood occurrence and none-occurrence locations according to flood complaint records (Figure 4). During the calibration, the featured parameters used in determining runoff characteristics in all four defined hydrogeologic units were verified and adjusted.

3.1 Snow Accumulation and Melt

No long-term climate or snowpack data are available in the G-CP watershed. Therefore, climate and snow depth data from the Spokane International Airport were used to calibrate the snow simulation in the model.

Figure 9 compares simulated and recorded snow depths for two years with high snow depth (1949 and 1950) and one year with low snow depth (1951). The simulation results were derived from *Bedrock, Underdeveloped*, a hydrogeologic unit with similar elevation to that at the observation station. Similar results were obtained for the entire period simulated; however, the period in Figure 9 is shown for brevity. The figure shows a close match between simulated and recorded snow depth, indicating that the timing and amount of moisture input to the soil from snowmelt matches what actually occurs at the Spokane International Airport. No further parameter adjustments were performed in terms of snow calibration.

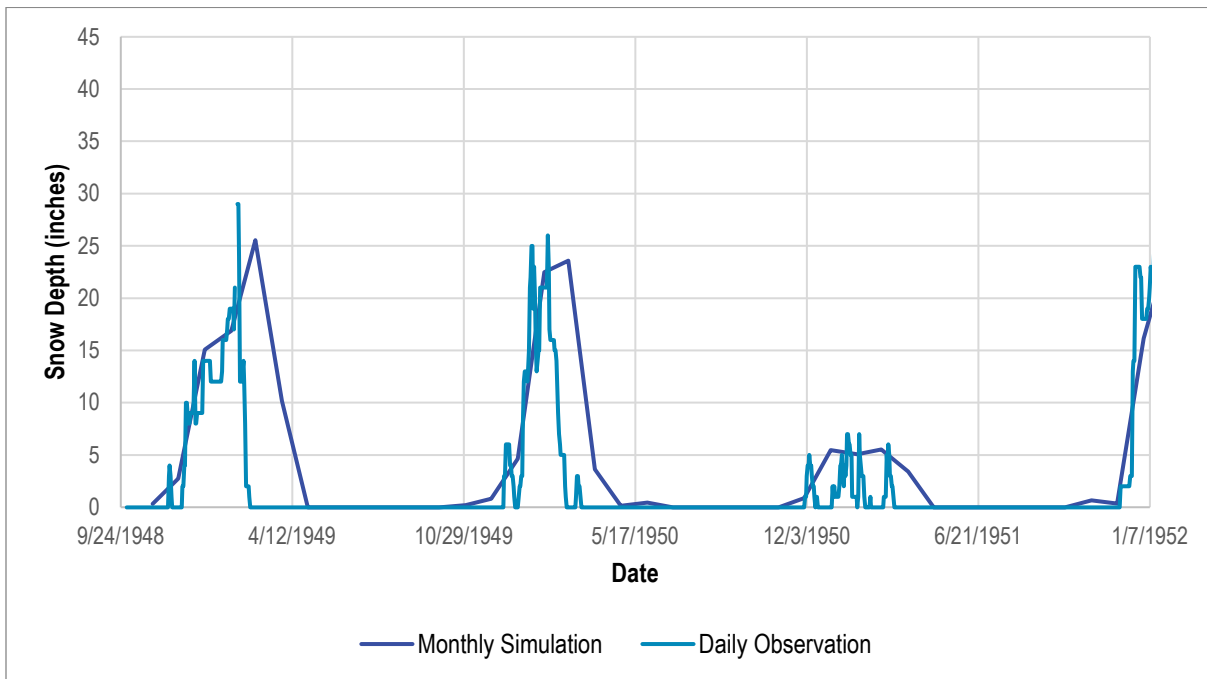


Figure 9: Comparison of Simulated and Recorded Snow Depth, Spokane International Airport

3.2 Streamflow Calibration

Streamflow gaging data are not available in the G-CP watersheds. Understanding of the local geological conditions, supported by streamflow observations by residents and community officials, show that streamflow in the G-CP watersheds is characterized by a water-losing pattern along the Glenrose channel, where the main channel within the Spokane is underlain by a paleochannel, and where surface runoff is largely lost to groundwater. Central Park Creek has streamflow observations at the foothill of the steep mountainous area, joined by the local overland flow east of S Park Rd. Bettman Creek, an important tributary of Central Park Creek, has frequent flooding occurrences due to lower infiltration rates because of shallow bedrock, high groundwater, and impervious surfaces associated with residential development.

The HSPF parameters related to flow mechanism in vertical structures (suggesting how precipitation is intercepted by canopy, runoff generation, soil infiltration, and groundwater percolation) are adopted from the Chester Creek HSPF model. Table 8 lists the final HSPF parameter set. The index to the infiltration capacity of the soil parameter (**INFILT**) was adjusted to consider that there is no record or observations of flooding in the Glenrose Creek main channel during the past 30 years (despite there being significant rainfall events, and the 1997 flood event in Chester Creek, which is believed to be a near 100-yr event). The Chester Creek HSPF model used **INFILT** values ranging from 0.1 to 2.0 inches/hr. In the G-CP model the values have been adjusted to range from 0.2-2.0 inches/hr, which increases the minimum level of soil percolation from the upper zone to the lower zone.

Table 8: HSPF Parameter Set for Pervious Areas

Pervious Land Type	FOREST	LZSN	INFILT	LSUR	SLSUR	KVARY	AGWRC
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Bedrock Undeveloped	0.800	3.50	0.20	400	0.10	0.50	0.975
Bedrock Developed	0.100	5.50	0.20	400	0.10	0.50	0.975
Outwash Undeveloped	0.800	5.50	2.00	400	0.05	0.50	0.975
Outwash Developed	0.100	5.50	1.50	400	0.05	0.50	0.975

Pervious Land Type	PETMAX	PETMIN	INFEXP	INFILD	DEEPFR	BASETP	AGWETP
Bedrock Undeveloped	0.0	0.0	2.0	2.0	0.0	0.0	0.0
Bedrock Developed	0.0	0.0	2.0	2.0	0.0	0.0	0.0
Outwash Undeveloped	0.0	0.0	2.0	2.0	0.0	0.0	0.0
Outwash Developed	0.0	0.0	2.0	2.0	0.0	0.0	0.0

Pervious Land Type	CEPSC	UZSN	NSUR	INTFW	IRC	LZETP
Bedrock Undeveloped	0.20	0.20	0.35	6.0	0.60	0.60
Bedrock Developed	0.10	0.10	0.05	6.0	0.60	0.20
Outwash Undeveloped	0.20	0.20	0.35	0.0	0.60	0.60
Outwash Developed	0.10	0.10	0.05	0.0	0.60	0.20

3.2.1 Calibration to Anecdotal Evidence and In-Stream Observations

In December 1996, a rain on snow event resulted in overland flow occurring at multiple locations in the G-CP watershed. Documented complaints at the time indicated that there were multiple locations where water was ponded and/or flowing over roadways at E 42nd Ave & Freya, S Regal St & Palouse Hwy, S Regal St & Palouse Hwy by 57th, and 5428 S Regal St & 57th (Figure 4). According to the Glenrose/Central Park Stormwater Management Plan (MWH 2002), *“Over much of the watershed during intense storms or during snowmelt, localized flooding does occur, however, large flood flows, with contributions from all parts of the watershed does not occur,”* and *“Historical accounts indicate that basin outflows from the watersheds have not occurred within recent knowledge. Rather, localized flooding conditions rare characterized by shallow flooding of low areas, ponding, flow over roads, and flow through properties to locations where runoff can infiltrate into the ground.”*

Most reaches of the Glenrose Creek watershed are underlain by glacial flood deposits that are composed of highly infiltrative sand and gravel. In these areas, all streamflow in Glenrose Creek infiltrates and is lost to the outwash deposits. During the past 30 years, almost no streamflow has been observed. However, according to the Chester Creek FIS hydrologic model, the January 1997 event was nearly a 100-year event, and was the largest flood event for the years of 1948-2002, within the Chester Creek watershed. Compared to Chester Creek, the G-CP watershed has higher surface water losses, potentially caused by surface infiltration (or soil percolation). During calibration, the soil percolation of the hydrogeologic unit underlying Glenrose (*Outwash, Developed*) was adjusted from 0.8 in/hr to 1.5 in/hr to match streamflow simulation results with observations in Glenrose Creek.

Another field observation indicates that a defined channel for Glenrose Creek tributary is progressively less discernible downstream of S Glenrose Rd. It is apparent that the frequently occurring flows necessary to form a channel are not present. A long-term resident living at 4802 E 29th, immediately adjacent to the tributary of the Glenrose confluence with the main channel, *“hasn’t seen water in that for 30 years,”* despite frequently seeing water in the main channel. This suggests the tributary flow is severely reduced or absent

due to the high infiltration rate of the soils in the lower portion of the channel, approximately between S Glenrose Rd and E 29 Ave. As shown in Appendix A-2 the HSPF model conceptualization of subsurface geology of this Glenrose tributary is changing from *Bedrock, Undeveloped* to *Outwash, Undeveloped*. As shown in Table 8, the high infiltration was represented by an **INFILT** of 2.0 in/hr, at the underlying hydrogeologic unit of *Outwash, Undeveloped*. It is considered a very high infiltration rate; therefore, no further adjustments were made to **INFILT** or other parameters.

Near the hillside of the mountain in the east of the Central Park watershed, field observations suggest there has been frequent stormwater runoff coming from both the steep mountain and from east of S Park Rd. Hillside development near 16th Avenue and Bettman Road has frequent occurrences of stormwater overland flows, though Bettman Creek streamflow is well contained in the channel. The overland flow hydrology at these locations is highly correlated with the land surface and subsurface conditions, categorized as *Bedrock, Undeveloped* and *Bedrock, Developed*. The corresponding **INFILT** parameter of 0.2 in/hr was considered low, so no further adjustment was applied.

3.2.2 Regional Results Comparisons

Similar to what was done for the Chester Creek FIS Hydrologic Analysis, several stream gages in the vicinity were identified, and five with the lowest discharge per unit drainage area were selected and assumed to be representative of gaged sites with high infiltration like Glenrose Creek (Table 9). The flood discharges for these basins were taken from the U.S. Geological Survey Water-Resources Investigations Report 97-4277 (USGS 1998).

The flood frequency results from the HSPF long-term simulation were compared to regional data at the selected gaging stations, on a unit area basis and for rural areas. In G-CP watersheds, the rural area is mostly located in the mountainous area within the County, which comprises almost a third of the drainage area of the entire G-CP watershed. This mountainous, mostly undeveloped area was defined by the hydrogeologic unit *Bedrock, Undeveloped*, where streamflow possibly occurs as surface runoff and interflow. However, while existing terrain shows apparent channels (see Section 3.2.1), no streamflow has been observed in the past 30 years by local residents living about 1 mi downstream. To be conservative, and assuming the lack of channel flow is caused by potential water storage facilities developed by private owners upstream, the parameters at *Bedrock, Undeveloped* were adjusted to a natural condition without reservoir interruption upstream. The relatively low value of 0.2 in/hr was retained for the **INFILT** parameter while the **LZSN** parameter was decreased from 5.5 in/hr to 3.5 in/hr. Reducing the value of **LZSN** decreases the amount of water stored in the lower zone, and therefore increases streamflow rate.

As shown in Table 9, unit-area discharges for nearby streamflow gages show significant variability, with values ranging from 1.7 cfs/mi² to 81 cfs/mi². This suggests that there are significantly varying hydrogeologic characteristics in the region. While consideration was given to further adjusting calibration parameters based on comparison to regional unit-area discharges, this was not done due to the wide range in observed values.

Table 9: Gages Located in Spokane County Area with Low Discharge per Unit Drainage Area

Station name and number	Drainage area (mi ²)	Years of record	Q2 (cfs)	Q10 (cfs)	Q100 (cfs)	Q100 (cfs/mi ²)
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South Fork Rock Creek Trib near Fairfield, WA (12423700)	0.59	15	25	37	48	81
Little Spokane River at Elk, WA (12427000)	115	31	110	150	195	1.7
Bear Creek near Milan, WA (12429200)	10.5	13	50	82	120	11
Mud Creek near Deer Park, WA (12429800)	1.83	20	12	23	36	20
Blue Creek above Midnight Mine, WA (12433542)	6.0	12	5.6	24	71	12

3.3 Calibration Uncertainty

As with any hydrologic model, factors that contribute to model uncertainty include, among others, precipitation input, errors in streamflow observations, model conceptualization, and the model's mathematical representation of the physical system. In the case of the G-CP watershed model, the lack of data available for calibration and model conceptualization for the project area are likely the largest sources of uncertainties, particularly in establishing infiltration rates for different soil and geological conditions with spatial heterogeneities, as well as seasonal variations. As noted earlier, parameters related to infiltration rates were adopted from Chester Creek HSPF model, developed for a FEMA Flood Insurance Restudy of Chester Creek, which could introduce uncertainties that do not apply to the G-CP area.

Another source of calibration error was due to the lack of available precipitation data in the watershed. Continuous precipitation was recorded at multiple locations close to the watershed; however, there were no data available within the watershed. Precipitation recorded at the Spokane International Airport (Station 45-7938) has the longest and most complete data records as input for hydrologic process simulation using the HSPF model. Differences in precipitation at the Spokane International Airport relative to the G-CP watersheds introduced another source of calibration error.

4 Flood Frequency Estimates

The calibrated HSPF model was used to compute flood discharge magnitude-frequency estimates, which will be used as input to a HEC-RAS hydraulic model for future floodplain mapping purposes. Streamflow in the G-CP watershed was simulated on an hourly basis using the HSPF model from October 1948 through September 2019, a period of 71 years. Annual maximum discharge data were saved for each of the years simulated and magnitude-frequency estimates were computed using the methods described in the following section.

4.1 Statistical Methods

Because of the high infiltration rates of the stream channel, many of the simulated annual maximum values were zero or very near zero. This resulted in highly non-linear flood frequency relationships, derived from urbanized hydrologic processes, that were difficult to fit with conventional probability distributions, such as the Log-Pearson Type III (USGS, 1982). For this reason, a probability-plot regression approach (Stedinger et al., 1992) was selected instead for all reaches of the basin.

Figure 10 shows an example of the approach. Recurrence intervals, rather than standardized variates, have been shown on the Extreme value Type I plotting-paper for simplicity. A magnitude-frequency curve was computed using the Log-Pearson III distribution and is shown in Figure 10 for comparison. Note that the results using the probability plot regression approach better matched the simulated annual maximum data than the Log-Pearson III distribution, especially for rare floods.

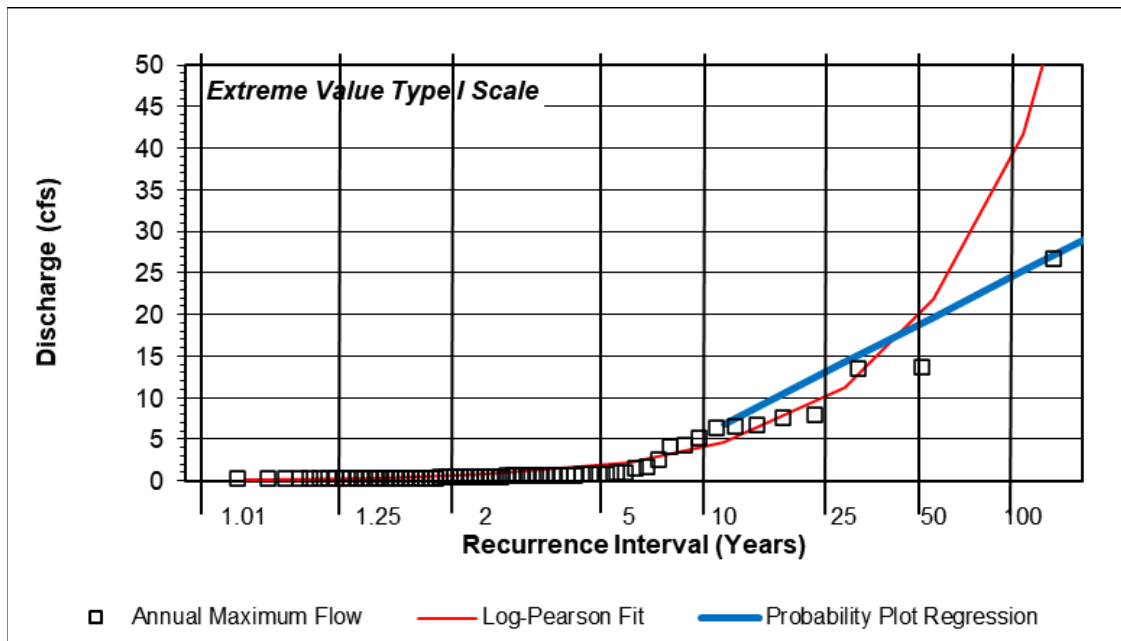


Figure 10: Magnitude-Frequency Results, Central Park Inflow to City of Spokane Valley Probability Plot Regression and Log-Pearson III

4.2 Magnitude-Frequency Results

Table 10 presents final flood magnitude-frequency results computed using the 71 years of simulated stream flow from the calibrated HSPF model. The locations of the cross-sections defined in Table 10 are shown in Figure 11. Values at the 10-, 25-, 50-, 100-, and 500-year recurrence intervals are to be used as input to the HEC-RAS hydraulic model for floodplain mapping purposes.

It should be noted that uncertainty in the flood frequency estimates increases for recurrence intervals greater than the number of years used to compute the statistics (71 years in this case). Thus, the extrapolation of simulated flows to the 100-year and 500-year recurrence intervals adds uncertainty to the estimates beyond those discussed in the calibration section of this report.

Table 10: Flood Magnitude-Frequency Estimates at G-CP Watersheds

Location		Drainage Area (mi ²)	Flow Rates (cfs)				
			10-yr	25-yr	50-yr	100-yr	500-yr
COV* – inflows and outflows	Glenrose-COV	8.6	2.7	5.8	8.8	12	23
	Bettman-COV	0.5	8.5	16	22	28	41
	Central Park-COV	2.2	6.8	14	20	25	38
	Outlet-of-COV	12.7	6.1	22	39	59	121
COV*- locations of interest	GRDS10024-218	8.8	no flow				
	8AVE60003-208	1.8	10	6.1	15	31	1.8
	CPDS30012-415	2.3	21	10	37	100	2.3
	CPDS30503-216	0.2	no flow				
County*	Glenrose-Co-Main	3.8	1.7	7.6	14	21	43
	Glenrose-Trib.1-SE	3.2	5.2	14	23	33	64
	Glenrose-Trib.2-NE	0.9	2.5	4.6	6.7	9.1	16
COS* – selected locations	Glenrose-COS1	3.2	0.0	0.3	1.1	2.4	7.1
	Glenrose-COS2	1.3	4.1	18	28	38	61
	E.42nd_and_S.Regal	2.2	0.4	0.5	0.7	0.8	1.1

*COV- City of Spokane Valley; County – Spokane County; COS- City of Spokane.

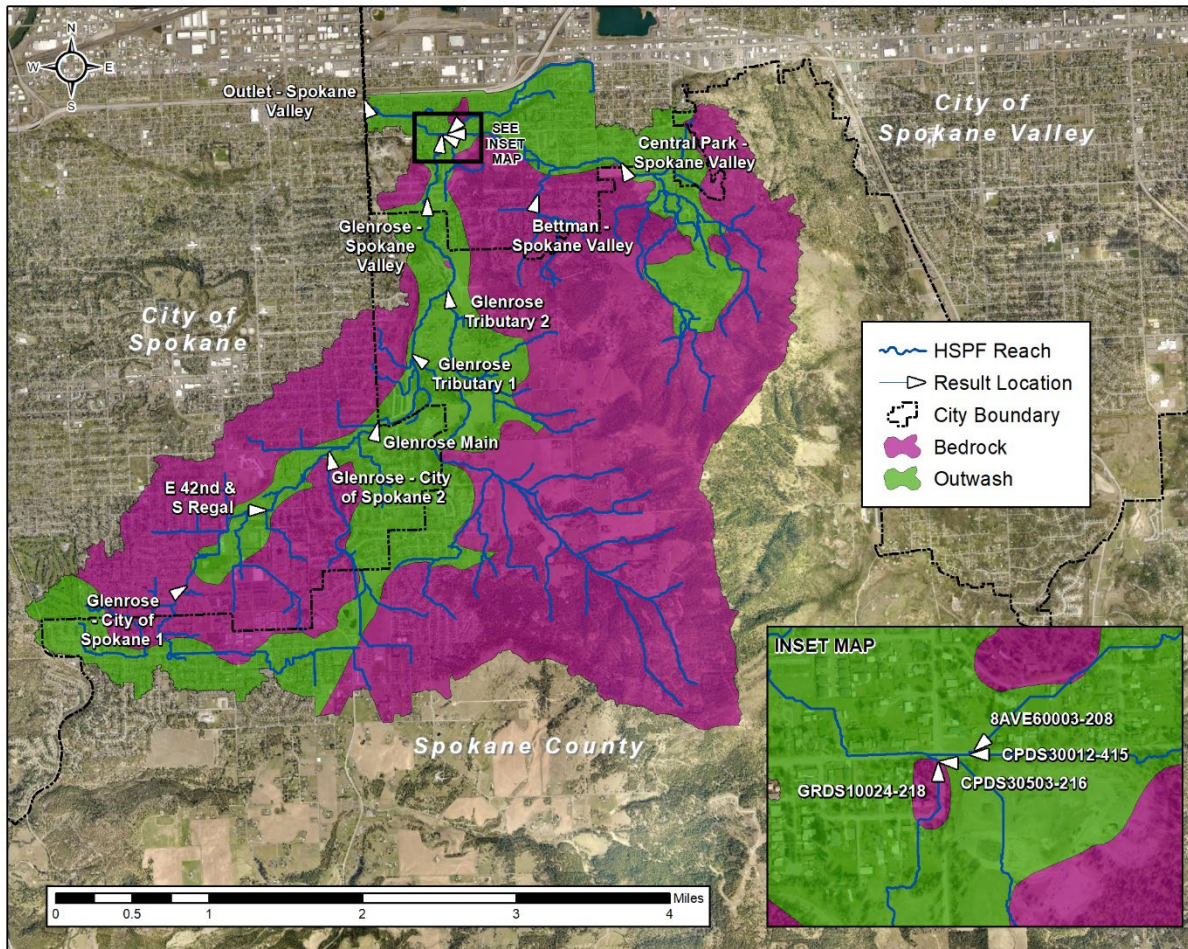


Figure 11: Location of Flood Estimates at G-CP Watersheds

4.3 Verification

Table 11 compares the peak flow frequency estimates resulting from the current analysis, prior studies, and USGS regional regression methods. In general, the differences can be attributed to the methods and assumptions used to develop the estimates. The current HSPF results are understood to represent the most recent development within the G-CP watershed. Because of that assumption, it would be expected that the HSPF peak flows reflect the presence of stormwater facilities developed after the previous hydrologic studies were performed (MWH 2009). Such development would include the evaporation ponds and storage upstream of Glenrose Creek within Spokane. Also, the HSPF model includes the impacts of the hundreds of drywells in the G-CP basins, none of which were in the *Glenrose/Central Park Stormwater Management Plan* analysis. The addition of these stormwater facilities would significantly reduce flood peaks. This would also include residential development upstream of Central Park, within the City, which would potentially increase runoff.

According to the *Hazel's Creek Drainage Facility Plan Model of Existing Contributing Area* (W&H Pacific 2007) technical memo, which was based on Washington State Department of Ecology (DOE) "Regional Storm (Region 3)" (modified SCS, Type 1A 24-hour event), 100-yr flow was estimated to be 22.94 cfs.

Considering this estimate did not include apparent subsurface contribution to Hazel's Creek, the larger 100-yr flow estimate of 38 cfs in the current study is reasonable.

The Glenrose/Central Park Stormwater Management Plan estimated flood flows at Glenrose and Central Park Creeks with different return periods, using the HEC-1 software package with SCS Type 1A 24-hour event (MWH, 2002). As shown in Table 11, the HSPF 100-yr flood estimation of 29 cfs at Central Park to Borrow Pit in the current study is within 10% of the estimate from the management plan of 32 cfs. However, at Glenrose Main Channel, the HSPF 100-yr flow has a much lower estimate in the current study of 12 cfs than that from the management plan, which was 459 cfs. Considering the management plan analysis did not account for the many stormwater-interception facilities or the high infiltration rates of the glacial flood deposits, and also considering the anecdotal evidence that no large flows have occurred during the past 30 years, the estimate in the current study is considered reasonable.

The HSPF model simulation results show 2004 has the largest flood (68 cfs) during 71 years of simulation, which also close to the 100-yr flood estimation (59 cfs) from frequency analysis. While 2004 did not have the largest annual precipitation comparing to other years (Section 2.7.1.1), it has the largest single-day summer rainfall of 2.2 inches occurred on May 21, 2004, which causes the largest flood among all years of streamflow results. The National Weather Service noted “a tornado touched down in western Spokane County near Fairchild Air Force Base” and “... the region experiences very heavy rainfall and areas with large hail. Urban street flooding was reported in many areas across the Spokane - Coeur d'Alene corridor. Hail, up to 8 inches deep was also reported” (NWS 2004). However, there is no evidence or documentation of large flood occurrence in G-CP area in 2004, and it is possibly because this heavy rainfall mostly affected the area outside of G-CP watershed but has mild impacts to the area within G-CP area, due to the spatial heterogeneity of the precipitation. It causes an overestimation of flood within G-CP watershed, which is considered acceptable due to the high spatial heterogeneity in thunderstorm/tornado. The resulting high summer flood is considered reasonable, because without flow mitigation the snowpack storage provides in the winter, the streamflow in G-CP watershed is more susceptible to summer thunderstorms.

Table 11 also provides peak flow estimates derived from USGS regional regression equations. The USGS regression equations for the study area were based on the basin characteristic of the drainage area using annual peak flows through water year 2014 for 83 long-term gaging sites. The regression equations do not differentiate between the causes of floods (i.e., rainfall, snowmelt, or rain on snow), and the selected drainage basins in the study are unregulated and un-urbanized with less than 5% impervious land cover. The average standard error of prediction for the regional regression equations ranged from approximately 70% to 126% on the eastern side of the Cascade Mountains, which indicates a high-level of uncertainty about the estimates provided by the derived regressions. Therefore, the estimates from USGS regional regression equations are only used as a point of reference in the current study.

Table 11: Comparison of Flood Frequency Estimates at 100-yr Return Period

Estimate Source		Location		
		Hazel's Creek	Glenrose Main Channel	Central Park to Borrow Pit [†]
Area (mi ²)		1.3	9.0	3.4
Current Study	Discharge Estimate (cfs)	38	12	100
	cfs/mi ²	21.5	1.3	29
Prior Studies	Discharge Estimate (cfs)	23 ⁺	459 [*]	108 [*]
	cfs/mi ²	18	51	32
	Source	City of Spokane, <i>Technical Memo of Hazel's Creek Drainage Facility Plan Model of Existing Contributing Area (W&H Pacific 2007)</i>	Spokane County, <i>Glenrose/Central Park Stormwater Management Plan, (MWH, 2002)</i>	Spokane County, <i>Glenrose/Central Park Stormwater Management Plan, (MWH, 2002)</i>
USGS Regression Equations (1997)	Discharge Estimate (cfs)	68	300	156
	cfs/mi ²	52.3	33.3	46.3

† Gravel Pit at 8th Ave and Carvana Rd.

+Subsurface flow was not counted in the study.

* Exiting condition, 24-hr, 100-yr flow estimate.

5 Conclusions And Recommendations

A detailed hydrologic analysis of G-CP Creeks in the City Spokane Valley, Spokane County, and the City of Spokane, Washington, was conducted. The analysis established flood magnitude-frequency estimates for G-CP Creeks that are to be used in a Flood Insurance Study of the watercourses. The analysis was conducted using the HSPF hydrologic model. Peak flow discharges were developed from a frequency analysis of the 71 years of simulated stream flow information from the HSPF model.

The key findings of the hydrologic analysis include:

- The 100-yr peak discharge along the mainstem of Glenrose Creek was estimated to be 12 cfs where it enters the City of Spokane Valley. This flow is gradually mitigated by evaporation ponds and diminished by infiltration in-stream, resulting in no flow joining the Borrow Pit at E 8th Ave and Canahan Rd. This finding matches information provided by the community which indicates that flood flows have not reached the Borrow Pit for at least the past 30 years (which is the period of record for which community personal have information).
- Only streamflow from Central Park reaches the Borrow Pit at E 8th Ave. and S Canahan Rd, where some infiltrates and then overflows to downstream towards west across the flat residential area and enters the City of Spokane, with an estimated 100-yr flood flow of 59 cfs.
- Bettman Creek is an important tributary to Central Park Creek. There are historical observations of overland flows and high flood peaks along the creek, as most of the upstream drainages are underlain by bedrock with limited permeabilities. The 100-yr estimate of 28 cfs from the HSPF model matches observations that the water level upstream of E 14th Ln was elevated to a level close to overtopping during the flood events.
- Peak flows along Central Park Creek entering the City are comprised of overland flow from the residential area in the east and by streamflow from upper Central Park watershed. The HSPF model simulation indicates that the majority of the Central Park flood inflows to the City originate from the residential area in the east of S Park Rd, and are estimated to be 18 cfs for the 1% annual-chance flood event, while streamflow from the upper watershed was estimated to be 7 cfs for the 1% annual-chance flood event.

Despite the noted verification of the study results, the uncertainty associated with the developed hydrologic estimates includes the following important factors:

- No long-term records of precipitation or flow measurements specific to the G-CP Creek watershed exist.
- Soil tests in the watershed indicate highly variable soil infiltration characteristics. The soil infiltration rates used in the HSPF modeling are average values over each hydrogeologic unit with calibrations to streamflow characteristics in the project area.
- The observed precipitation is noticeably higher after the year of 2000, which is featured with more frequent and intense summer storms and winter snow, higher temperature induced early snow melt and higher rainfall/snowfall ratio (Porcello et al. 2017).

- The differences between the magnitude of the hydrologic estimates defined by prior investigations and those developed in the current study are mostly at Glenrose main channel, which has significant implications for water surface elevations and the extent of the floodplain study in the future. The major differences between the prior and current studies relate to assumptions about land use conditions, stormwater facilities, and soil conditions. Specifically, this current HSPF study reflects more recent land development and terrain changes, stormwater facilities (drywells and retention ponds constructed and in use since the previous studies), and different soil infiltration characteristics be conceptualized. It is evident that these assumptions have a significant impact on the resulting hydrologic estimates.

The following recommendations should be considered to address the potential uncertainty in the hydrologic estimates:

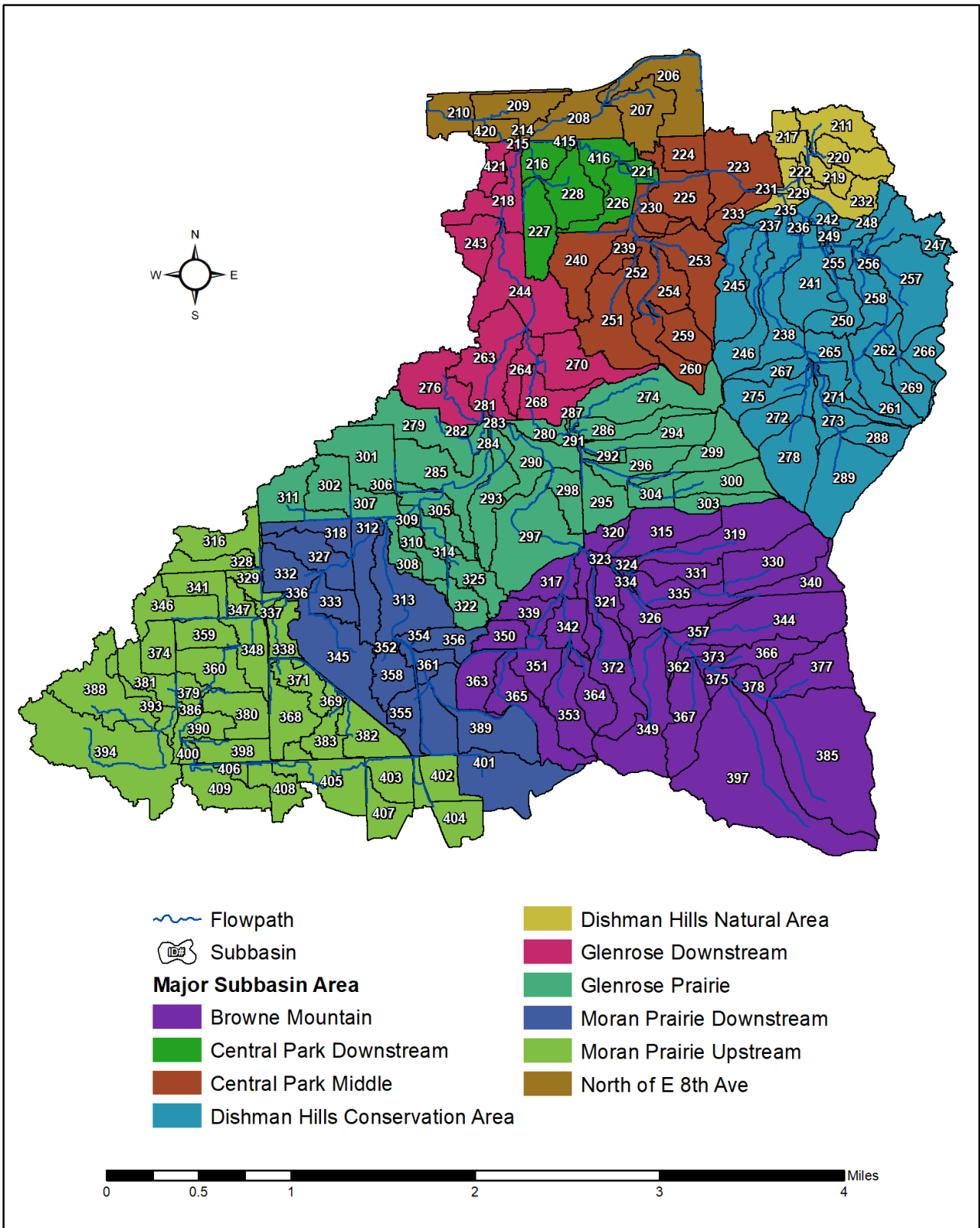
- Watershed changes that would affect soil infiltration characteristics in the lower basin should be monitored. This should include monitoring of sedimentation conditions along channels and within the borrow pit.
- Additional precipitation and stream gaging measurements should be collected that would allow improvement of model calibration and verification.
- Future reanalysis of the hydrologic estimates should be conducted if soil infiltration conditions in the basin change or if an improved record of basin specific precipitation and flow records is developed. Additionally, if land use conditions in the basin change significantly the hydrologic estimates should be updated.

6 References

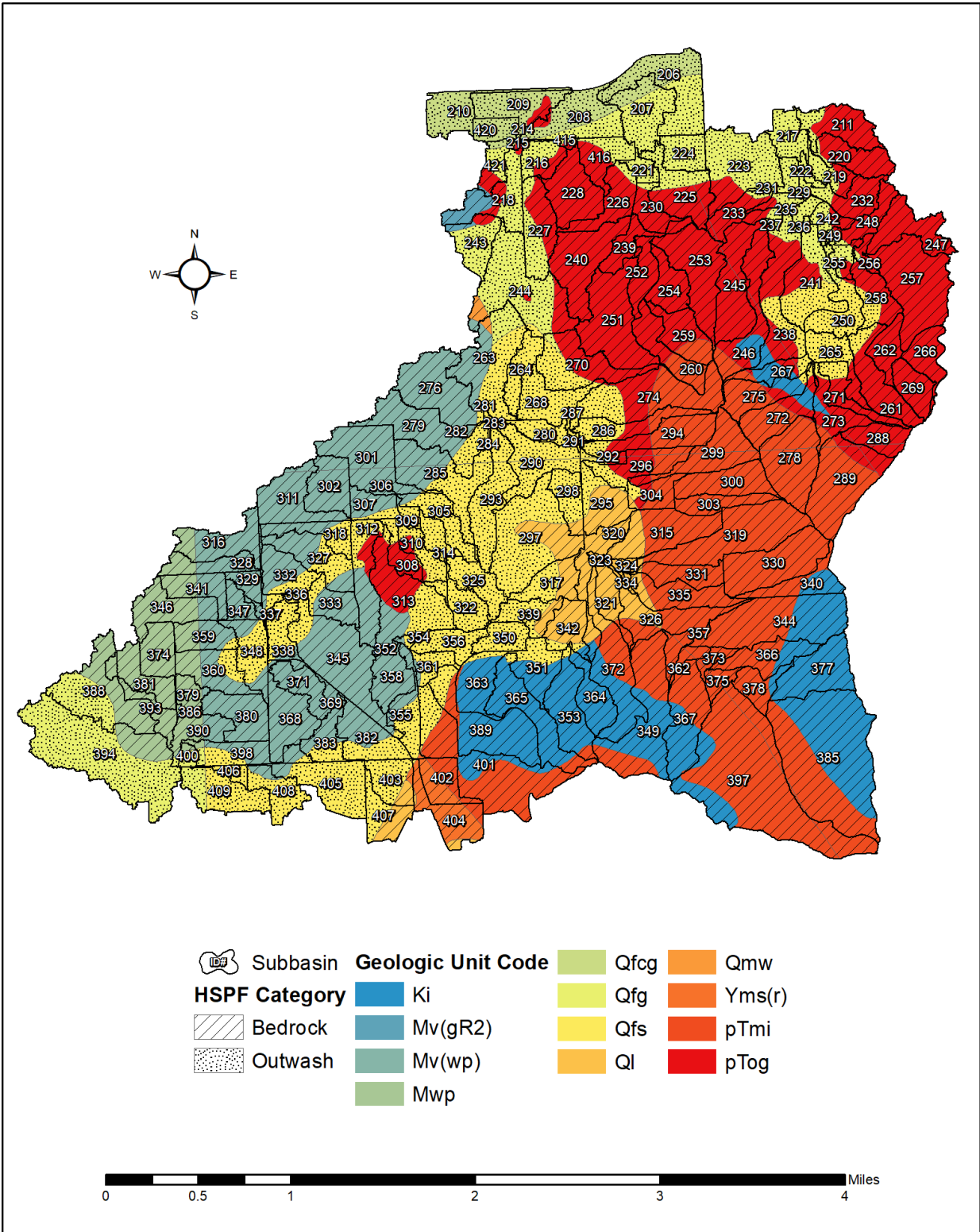
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Appendix A. HSPF Model Development Figures and Tables



Appendix A-1: Streamflow paths and Subbasin Areas in GCP Watershed



Appendix A-2: Glenrose Central Park Basins geology

Appendix A-3: Summary of Glenrose Central Park Watershed Land Use.

Subbasin ID	Subbasin Land Use (acres)					
	Impervious	Urban Outwash	Undeveloped Outwash	Urban Bedrock	Undeveloped Bedrock	Subbasin Total Area
206	32.3	48.5	0.0	0.0	0.0	80.8
207	19.5	34.7	1.4	0.0	0.0	55.6
208	15.8	42.6	3.9	2.6	0.0	64.9
209	14.3	24.2	0.0	5.7	0.0	44.2
210	16.9	23.4	0.0	0.0	0.0	40.2
211	3.2	7.0	0.1	3.3	32.0	45.5
214	0.6	1.1	0.0	0.0	0.0	1.7
215	0.1	0.0	0.0	0.1	0.0	0.2
216	8.1	11.0	0.0	7.2	0.0	26.3
217	7.7	20.2	0.0	0.0	0.0	27.9
218	15.8	21.5	0.0	16.7	0.0	54.0
219	3.7	9.3	0.4	5.9	1.6	20.9
220	0.8	1.5	0.1	3.0	32.5	37.8
221	3.8	8.2	0.0	0.0	0.0	12.1
222	1.3	5.3	0.1	0.0	0.0	6.7
223	25.8	45.5	0.3	4.9	8.1	84.5
224	9.4	18.8	0.0	0.0	0.0	28.2
225	9.9	16.0	0.8	25.3	4.1	56.2
226	6.2	3.2	0.0	24.4	4.2	38.0
227	8.8	16.6	4.9	14.5	7.0	51.8
228	4.3	0.0	0.0	29.0	21.7	55.1
229	4.8	8.7	0.0	0.0	0.0	13.5
230	4.6	1.8	0.0	14.1	1.5	22.0
231	0.4	1.0	0.1	0.0	0.0	1.5
232	7.4	5.8	0.2	10.7	11.7	35.8
233	1.1	1.7	0.7	5.5	15.9	24.8
234	2.7	4.9	0.1	1.5	1.3	10.5
235	0.0	0.0	0.0	0.0	0.0	0.0
236	1.3	6.0	2.3	0.0	0.0	9.6
237	2.0	3.2	0.6	2.6	1.6	10.0
238	2.7	3.9	22.6	4.1	43.6	77.0
239	5.6	0.0	0.0	20.5	0.3	26.5
240	10.8	0.2	0.0	39.4	21.6	71.9
241	3.4	12.6	35.4	1.8	14.6	67.9
242	1.4	8.0	1.5	4.4	0.5	15.9
243	8.0	20.8	4.3	4.3	0.0	37.5
244	14.9	51.3	21.5	11.3	11.3	110.3
245	0.1	0.3	0.0	1.2	65.6	67.2
246	0.9	0.0	0.2	5.6	54.7	61.5
247	0.4	0.0	0.0	0.3	45.9	46.6
248	0.3	1.7	0.4	3.0	19.6	25.0
249	0.0	0.6	0.3	0.0	0.0	0.9
250	3.0	12.0	24.6	0.1	0.7	40.3
251	4.1	0.0	0.0	23.9	63.7	91.8
252	4.2	0.0	0.0	14.9	6.7	25.8
253	5.8	0.0	0.0	26.2	42.3	74.2

254	1.5	0.0	0.0	6.0	24.2	31.7
255	0.6	2.8	6.2	0.7	4.1	14.4
256	0.2	0.0	0.8	0.4	6.5	7.9
257	2.0	0.0	0.0	12.4	84.2	98.6
258	1.1	0.0	11.6	1.2	21.8	35.8
259	0.7	0.0	0.0	5.5	33.6	39.8
260	2.0	0.0	0.0	11.3	27.8	41.2
261	0.8	0.0	7.0	2.4	41.1	51.4
262	1.8	0.0	0.0	3.2	20.0	25.0
263	6.6	43.7	6.1	26.6	3.8	86.8
264	1.4	6.3	20.1	0.0	0.0	27.8
265	1.2	5.9	16.5	2.3	7.0	32.9
266	1.7	0.0	0.0	0.8	27.8	30.3
267	0.3	0.9	2.7	1.0	18.3	23.2
269	0.2	0.0	0.0	0.4	27.7	28.4
270	5.5	10.8	14.8	19.4	13.7	64.3
271	0.3	0.7	7.2	0.7	18.8	27.7
272	0.9	0.7	0.5	3.7	39.2	45.0
273	1.1	0.0	1.7	2.3	28.1	33.2
274	5.6	9.2	17.4	33.3	31.9	97.5
275	0.3	0.5	1.1	4.1	34.8	40.8
276	18.6	2.3	0.0	55.3	0.0	76.2
278	1.0	0.0	0.0	0.5	69.5	71.1
279	18.7	12.0	2.1	44.1	1.5	78.4
280	5.5	23.3	30.2	0.7	0.0	59.7
281	0.0	0.1	0.0	0.0	0.0	0.1
282	0.3	1.7	0.0	0.0	0.0	2.0
284	0.0	0.3	0.0	0.0	0.0	0.3
285	19.1	31.3	5.0	26.2	0.8	82.4
286	1.1	5.3	11.6	3.5	14.6	36.1
287	0.3	1.8	1.5	0.0	0.0	3.6
288	1.8	0.0	0.0	0.3	25.5	27.6
289	4.3	0.0	0.0	3.1	83.2	90.6
290	3.2	23.6	34.9	0.0	0.0	61.8
291	0.5	0.7	0.2	0.0	0.0	1.4
292	0.4	0.8	2.6	0.5	3.8	8.0
293	10.5	39.7	7.1	0.0	0.0	57.3
294	1.5	2.7	3.3	6.3	36.8	50.6
295	2.9	3.2	5.3	8.8	19.2	39.4
296	2.3	1.9	10.4	9.9	19.5	43.9
297	14.0	50.3	25.8	4.8	23.4	118.4
298	1.6	4.7	18.8	0.5	3.1	28.7
299	0.2	0.0	0.1	3.4	50.3	54.1
300	0.4	0.0	0.0	5.9	40.4	46.7
301	24.0	0.6	0.0	46.9	0.0	71.6
302	15.7	0.0	0.0	26.4	0.0	42.1
303	0.4	0.0	0.0	6.0	19.6	26.0
304	1.6	1.1	1.8	6.7	14.3	25.4
305	9.2	22.4	0.0	1.6	0.0	33.2
306	2.9	5.2	0.0	2.8	0.0	10.9
307	8.6	3.8	0.0	11.7	0.0	24.1

308	4.9	7.7	0.2	11.4	0.8	24.9
309	0.2	0.2	0.0	0.0	0.0	0.4
310	5.6	15.1	0.2	3.1	1.1	25.1
311	18.9	0.0	0.0	35.0	0.0	54.0
312	15.4	9.2	0.0	26.8	0.4	51.8
313	18.9	26.3	0.0	43.4	1.3	89.9
314	5.3	12.7	0.0	0.0	0.0	18.1
315	2.1	0.0	0.0	9.5	54.9	66.5
316	13.9	0.0	0.0	31.1	2.5	47.5
317	8.2	14.6	0.9	10.9	0.5	35.3
318	10.7	9.2	0.0	8.8	0.0	28.6
319	4.3	0.0	0.0	21.9	73.0	99.2
320	3.7	0.0	0.0	8.6	25.1	37.5
321	0.1	0.0	0.0	1.9	25.8	27.8
322	6.6	20.8	0.4	0.0	0.0	27.9
323	0.0	0.0	0.0	0.0	0.1	0.1
324	0.0	0.0	0.0	0.0	5.3	5.3
325	7.7	24.2	0.0	0.0	0.0	32.0
326	0.7	0.0	0.0	12.9	40.3	53.9
327	15.1	17.0	0.1	16.4	1.3	49.8
328	7.9	0.0	0.0	19.4	0.7	28.0
329	5.7	0.0	0.0	8.1	0.0	13.9
330	1.5	0.0	0.0	13.1	62.5	77.2
331	1.3	0.0	0.0	5.2	24.3	30.8
332	4.2	11.3	0.2	20.8	0.0	36.5
333	10.2	5.5	0.0	14.9	0.0	30.6
334	0.0	0.0	0.0	0.0	2.2	2.2
335	2.5	0.0	0.0	11.3	31.0	44.7
336	0.9	1.9	0.0	0.0	0.0	2.7
337	3.1	4.5	0.0	1.7	0.0	9.3
338	8.2	16.4	0.0	3.0	0.0	27.5
339	6.5	15.5	0.0	6.7	0.5	29.2
340	2.9	0.0	0.0	14.9	15.7	33.5
341	10.2	0.0	0.0	21.1	0.0	31.3
342	7.1	3.1	0.9	14.8	8.4	34.3
343	1.4	0.2	0.0	1.6	0.0	3.2
344	6.2	0.0	0.0	32.4	74.2	112.8
345	33.1	8.0	0.0	63.6	0.0	104.8
346	11.6	0.0	0.0	36.6	0.0	48.2
347	5.8	0.0	0.0	9.5	0.0	15.2
348	11.3	17.2	1.1	11.2	0.0	40.9
349	3.4	0.0	0.0	2.3	102.8	108.5
350	7.4	17.6	0.0	0.0	0.0	25.1
351	6.1	9.9	2.0	8.2	12.0	38.3
352	0.5	0.0	0.0	0.8	0.0	1.3
353	1.9	0.5	0.8	4.9	47.1	55.3
354	1.3	2.0	0.0	0.7	0.0	3.9
355	7.4	16.8	0.0	9.9	0.0	34.2
356	7.7	20.9	0.0	0.0	0.0	28.6
357	0.2	0.0	0.0	1.4	14.7	16.3
358	10.7	0.0	0.0	24.2	0.0	34.9

359	8.5	1.5	0.0	21.4	0.0	31.3
360	7.6	9.2	0.0	29.3	0.0	46.1
361	2.8	13.5	0.0	1.6	0.0	17.9
362	0.2	0.0	0.0	1.5	7.4	9.1
363	11.7	3.2	0.0	26.0	0.0	40.8
364	0.8	0.2	0.1	3.0	30.5	34.6
365	10.6	1.8	0.0	35.1	17.2	64.7
366	2.8	0.0	0.0	23.2	13.4	39.5
367	2.0	0.0	0.0	1.9	62.5	66.4
368	23.8	0.0	0.0	26.6	0.0	50.5
369	2.4	0.0	0.0	5.0	0.1	7.4
370	0.1	0.0	0.0	0.0	0.0	0.1
371	9.3	0.0	0.0	20.3	1.5	31.0
372	2.2	0.0	0.0	6.0	67.4	75.6
373	1.0	0.0	0.0	3.2	5.7	9.9
374	9.2	0.0	0.0	24.2	0.0	33.4
375	0.3	0.0	0.0	1.8	9.8	11.9
377	2.0	0.0	0.0	7.4	49.6	59.1
378	2.0	0.0	0.0	6.0	17.0	25.0
379	3.4	0.0	0.0	12.4	0.0	15.8
380	15.5	0.0	0.0	29.9	0.0	45.4
381	7.4	0.0	0.0	26.5	0.0	33.8
382	13.8	15.0	0.0	17.2	2.4	48.5
383	11.0	8.0	0.3	10.5	0.2	30.0
385	2.7	0.0	0.0	10.5	208.4	221.6
386	0.4	0.0	0.0	1.4	0.0	1.8
387	0.0	0.0	0.0	0.0	0.0	0.0
388	13.9	36.3	0.0	37.6	0.0	87.8
389	17.2	10.8	0.9	50.9	2.3	82.1
390	9.9	0.8	0.0	20.7	0.0	31.4
393	4.8	0.0	0.0	18.8	0.0	23.6
394	44.6	115.4	0.0	19.3	0.0	179.3
397	6.4	0.0	0.0	2.9	241.2	250.6
398	14.0	10.6	0.0	14.8	1.5	40.9
400	1.6	4.2	0.0	1.7	0.0	7.5
401	12.0	16.3	0.0	69.2	32.9	130.3
402	7.5	0.0	0.0	25.2	0.0	32.7
403	9.6	19.2	0.0	5.7	0.0	34.4
404	8.8	0.2	0.0	29.6	6.3	44.9
405	19.3	40.8	0.0	2.4	0.0	62.5
406	3.3	5.0	0.0	0.0	0.0	8.3
407	5.9	13.4	0.0	13.3	0.0	32.6
408	11.6	19.8	0.0	2.5	0.0	33.9
409	14.4	37.1	0.0	0.0	0.0	51.5
415	0.9	1.6	0.0	1.5	0.0	4.0
416	4.1	11.6	0.2	11.7	6.8	34.3
420	3.6	14.9	0.0	0.0	0.0	18.5
421	4.5	10.5	0.0	7.1	0.0	22.0

Appendix B. HSPF User Control Input File (.uci)

RUN

GLOBAL

UCI Created by WinHSPF for GCPFIS_HSPF

START 1948/10/01 00:00 END 2019/12/31 24:00

RUN INTERP OUTPT LEVELS 1 0

RESUME 0 RUN 1 UNITS 1

END GLOBAL

FILES

<FILE> <UN#>*<---FILE NAME----->**

MESSU 24 GCPFIS_HSPF.ech

91 GCPFIS_HSPF.out

*****WDM1 25 GCPFIS_output.wdm**

*****WDM2 22 GCPFIS_input.wdm**

WDM3 26 wind_combined_pptextended_test.wdm

*****BINO 92 GCPFIS_HSPF.hbn**

INFO 23 HSPF_INF.OUT

ERROR 27 HSPF_ERR.OUT

WARN 28 HSPF_WRN.OUT

40 City_trib_streamflow.PLT

41 County_trib_streamflow.PLT

42 Spokane_trib_streamflow.PLT

43 Locationofinterest_COV.PLT

***** 43 SnowDepth.PLT**

44 Pond_Storage.PLT

END FILES

OPN SEQUENCE

INGRP INDELT 01:00

PERLND 20

PERLND 25

PERLND 40

PERLND	41
IMPLND	11
RCHRES	206
RCHRES	207
RCHRES	209
RCHRES	325
RCHRES	208
RCHRES	226
RCHRES	228
RCHRES	211
RCHRES	220
RCHRES	217
RCHRES	219
RCHRES	224
RCHRES	243
RCHRES	222
RCHRES	232
RCHRES	240
RCHRES	251
RCHRES	227
RCHRES	229
RCHRES	233
RCHRES	245
RCHRES	275
RCHRES	278
RCHRES	248
RCHRES	241
RCHRES	253
RCHRES	246
RCHRES	216
RCHRES	322
RCHRES	272
RCHRES	270

RCHRES 247

RCHRES 257

RCHRES 259

RCHRES 261

RCHRES 260

RCHRES 254

RCHRES 250

RCHRES 266

RCHRES 256

RCHRES 252

RCHRES 267

RCHRES 237

RCHRES 239

RCHRES 269

RCHRES 262

RCHRES 271

RCHRES 230

RCHRES 258

RCHRES 255

RCHRES 249

RCHRES 242

RCHRES 236

RCHRES 294

RCHRES 288

RCHRES 289

RCHRES 273

RCHRES 265

RCHRES 238

***** RCHRES 235**

***** RCHRES 268**

RCHRES 234

RCHRES 231

RCHRES 274

RCHRES	286
RCHRES	287
RCHRES	299
RCHRES	300
RCHRES	363
RCHRES	279
RCHRES	223
RCHRES	225
RCHRES	221
RCHRES	298
RCHRES	416
RCHRES	365
RCHRES	351
RCHRES	319
RCHRES	415
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RCHRES	304
RCHRES	296
RCHRES	295
RCHRES	292
RCHRES	291
RCHRES	280
RCHRES	264
RCHRES	350
RCHRES	276
RCHRES	293
RCHRES	372
RCHRES	301
RCHRES	339
RCHRES	310
RCHRES	318
RCHRES	314
RCHRES	311

RCHRES	302
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RCHRES	332
RCHRES	389
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RCHRES	380
RCHRES	355
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RCHRES	335
RCHRES	346
RCHRES	401
RCHRES	407
RCHRES	334
RCHRES	345
RCHRES	371
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RCHRES	367
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RCHRES	341

RCHRES	359
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RCHRES	377
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RCHRES	375
RCHRES	405
RCHRES	370
RCHRES	313
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RCHRES	357
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RCHRES	338
RCHRES	408
RCHRES	323
RCHRES	406
RCHRES	409
RCHRES	400
RCHRES	374
RCHRES	321
RCHRES	320

RCHRES 297

RCHRES 290

RCHRES 390

RCHRES 388

RCHRES 381

RCHRES 394

RCHRES 393

RCHRES 387

RCHRES 386

RCHRES 379

***** RCHRES 283**

RCHRES 360

RCHRES 348

RCHRES 343

RCHRES 337

RCHRES 336

RCHRES 333

RCHRES 327

RCHRES 312

RCHRES 308

RCHRES 309

RCHRES 306

RCHRES 305

RCHRES 285

RCHRES 284

RCHRES 282

RCHRES 281

RCHRES 263

RCHRES 244

RCHRES 218

RCHRES 215

RCHRES 214

RCHRES 421

```

RCHRES  420
RCHRES  210
PLTGEN   1
PLTGEN   2
PLTGEN   3
PLTGEN   4
END INGRP
END OPN SEQUENCE

PERLND
ACTIVITY
<PLS >      Active Sections (1=Active; 0=Inactive)      ***
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC
***
20 41  1  1  1
END ACTIVITY

PRINT-INFO
<PLS >      Print-flags      *** PIVL PYR
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC
***
20 41  6  6  6      9
END PRINT-INFO

GEN-INFO
<PLS ><-----Name----->NBLKS  Unit-systems  Printer ***
# - #      User t-series Engl Metr ***
      in out      ***
20  UNDEVELOPED ROCK    1  1  1  1  90  0
25  URBAN GRASS ROCK    1  1  1  1  90  0
40  UNDEVELOPED OUTWASH  1  1  1  1  90  0
41  URBAN GRASS OUTWASH  1  1  1  1  90  0
END GEN-INFO

```

BINARY-INFO

*** < PLS> Binary Output Flags PIVL PYR
*** X - X ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC
20 41 2 2 2 4 4 4 4 4 4 4 4 1 9
END BINARY-INFO

ATEMP-DAT

<PLS> El -diff ***
- # (ft) ***
*** 20 41 100.
20 221.
25 17.
40 0.
41 0.
END ATEMP-DAT

ICE-FLAG

<PLS > 0= Ice formation not simulated; 1= Simulated ***
- #ICEFG ***
20 41 1
END ICE-FLAG

SNOW-PARM1

<PLS > Snow input info: Part 1 ***
- # LAT MELEV SHADE SNOWCF COVIND ***
*** 20 41 48.6 2400. 0.4 1.1 .10
20 48.6 2576. 0.4 1.1 .10
25 48.6 2373. 0.4 1.1 .10
40 48.6 2246. 0.4 1.1 .10
41 48.6 2226. 0.4 1.1 .10
END SNOW-PARM1

SNOW-PARM2

<PLS > Snow input info: Part 2 ***

#	-	#	RDCSN	TSNOW	SNOEVP	CCFACT	MWATER	MGMELT
20	41		0.15	33.	0.10	0.90	0.10	0.005

END SNOW-PARM2

SNOW-INIT1

<PLS > Initial snow conditions: Part 1 ***

#	-	#	PACKSNOW	PACKICE	PACKWATER	RDENPF	DULL	PAKTMP
20	41		0.0	0.0	0.0	0.35	400.	31.0

END SNOW-INIT1

SNOW-INIT2

<PLS > Initial snow conditions: Part 2 ***

#	-	#	COVINX	XLNMLT	SKYCLR
20	41		0.10	0.0	1.0

END SNOW-INIT2

*** Section PWATER ***

PWAT-PARM1

<PLS > PWATER variable monthly parameter value flags ***

- # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE *** Assume snow accumulation and melt is being considered

20	41	1	0	0	0	0	0	0	0	0
----	----	---	---	---	---	---	---	---	---	---

END PWAT-PARM1

PWAT-PARM2

<PLS > *** PWATER input info: Part 2: Forest: fraction of the PLS cover by forest, continuing transpire in winter

*** LZSN is the lower zone nominal storage.

*** INFILT is an index to the infiltration capacity of the soil.

*** LSUR is the length of the assumed overland flow plane.

*** SLSUR is the slope of the overland flow plane

***** KVAR Y is a parameter which affects the behavior of groundwater recession flow, enabling it to be non-exponential in its decay with time.**

***** AGWRC is the basic groundwater recession rate if KVAR Y is zero and there is no inflow to groundwater; AGWRC is defined as the rate of flow today divided by the rate of flow yesterday.**

# - #	***FOREST	LZSN	INFILT	LSUR	SLSUR	KVAR Y	AGWRC
20	0.800	3.5000	0.2	400.00	0.1000	0.5000	0.9750
25	0.100	5.5000	0.20	400.00	0.1000	0.5000	0.9750
40	0.800	5.5000	2.000	400.00	0.0500	0.5000	0.9750
41	0.100	5.5000	1.5000	400.00	0.0500	0.5000	0.9750

END PWAT-PARM2

PWAT-PARM3

<PLS > * PWATER input info: Part 3**

***** INFEXP is the exponent in the infiltration equation, and INFILD is the ratio between the maximum and mean infiltration capacities over the PLS.**

***** DEEPFR is the fraction of groundwater inflow which will enter deep (inactive) groundwater, and, thus, be lost from the system as it is defined in HSPF.**

***** BASETP is the fraction of remaining potential E-T which can be satisfied from baseflow (groundwater outflow), if enough is available.**

***** AGWETP is the fraction of remaining potential E-T which can be satisfied from active groundwater storage if enough is available.**

# - #	***PETMAX	PETMIN	INFEXP	INFILD	DEEPFR	BASETP	AGWETP
20		2.000	2.0000	0.00	0.	0.0	
25		2.000	2.0000	0.00	0.	0.0	
40		2.000	2.0000	0.00	0.	0.	
41		2.000	2.0000	0.00	0.	0.	

END PWAT-PARM3

***-----**

PWAT-PARM4

<PLS > PWATER input info: Part 4 *******

***** CEPSC is the interception storage capacity. inches**

***** UZSN is the upper zone nominal storage.**

***** NSUR is Manning's n for the assumed overland flow plane.**

***** INTFW is the interflow inflow parameter.**

*** IRC is the interflow recession parameter. Under zero inflow, this is the ratio of today's interflow outflow rate to yesterday's rate.

*** LZETP is the lower zone E-T parameter. It is an index to the density of deep-rooted vegetation.

# - #	CEPSC	UZSN	NSUR	INTFW	IRC	LZETP ***
20	0.2000	0.2000	0.3500	6.0	0.6000	0.6000
25	0.1000	0.1000	0.0500	6.0	0.6000	0.2000
40	0.2000	0.2000	0.3500	0.000	0.6000	0.6000
41	0.1000	0.1000	0.0500	0.000	0.6000	0.2000

END PWAT-PARM4

PWAT-STATE1

<PLS > *** Initial conditions at start of simulation

# - # ***	CEPS	SURS	UZS	IFWS	LZS	AGWS	GWVS
20	.00	0.	.0000	0.	0.020	0.100	.046
25	.00	0.	.0000	0.	0.330	0.100	.046
40	0.	0.	.0000	0.	0.02	0.981	.000
41	0.	0.	.0000	0.	1.03	1.731	.000

END PWAT-STATE1

END PERLND

IMPLND

ACTIVITY

<PLS > Active Sections (1=Active; 0=Inactive) ***

- # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC

11 1 1 1

END ACTIVITY

PRINT-INFO

<PLS > Print-flags *** PIVL PYR

- # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC

11 6 6 6

END PRINT-INFO

GEN-INFO

<PLS ><-----Name----->NBLKS Unit-systems Printer ***

- # User t-series Engl Metr ***

in out ***

11 URBAN IMPERVIOUS 1 1 1 1 0

END GEN-INFO

ATEMP-DAT

<PLS> El -diff ***

- # (ft) ***

*** 11 100.

11 0.

END ATEMP-DAT

*** Section SNOW ***

ICE-FLAG

<PLS > 0= Ice formation not simulated; 1= Simulated ***

- #ICEFG ***

11 1

END ICE-FLAG

SNOW-PARM1

<PLS > Snow input info: Part 1 ***

- # LAT MELEV SHADE SNOWCF COVIND ***

11 48.6 2226. 0.4 1.1 .10

END SNOW-PARM1

SNOW-PARM2

<PLS > Snow input info: Part 2 ***

- # RDCSN TSNOW SNOEVP CCFACT MWATER MGMELT ***

11 0.15 33. 0.10 0.90 0.10 0.005
END SNOW-PARM2

SNOW-INIT1

<PLS > Initial snow conditions: Part 1 ***
- # PACKSNOW PACKICE PACKWATER RDENPF DULL PAKTMP ***
11 0.0 0.0 0.0 0.2 00. 31.0
END SNOW-INIT1

SNOW-INIT2

<PLS > Initial snow conditions: Part 2 ***
- # COVINX XLNMLT SKYCLR ***
11 0.10 0.0 1.0
END SNOW-INIT2

***** Section IWATER *****

IWAT-PARM1

<ILS > Flags ***
- # CSNO RTOP VRS VNN RTL1 ***
11 1 0 0 0 1
END IWAT-PARM1

IWAT-PARM2

<ILS > ***
- # *** LSUR SLSUR NSUR RETSC ***
11 200. .010 .020 .01
END IWAT-PARM2

IWAT-PARM3

<ILS > ***
- # PETMAX PETMIN ***
11 40. 30.
END IWAT-PARM3

END IWAT-STATE1

END IMPLND

RCHRES

ACTIVITY

*** RCHRES Active sections

*** x - x HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG

206 421 1 0 0 0 0 0 0 0 0 0

END ACTIVITY

PRINT-INFO

*** RCHRES Printout level flags

*** X - X HYDR ADCA CONS HEAT SED GQL OXRX NUTR PLNK PHCB PIVL PYR

206 421 6 0 0 0 0 0 0 0 0 0 1 9

END PRINT-INFO

*** BINARY-INFO

*** RCHRES Binary Output level flags

*** X - X HYDR ADCA CONS HEAT SED GQL OXR NUTR PLNK PHCB PIVL PYR

*** 206 421 2 2 2 4 4 4 4 4 4 4 1 9

*** END BINARY-INFO

GEN-INFO

RCHRES	Name	Nexits	Unit Systems	Printer	***
--------	------	--------	--------------	---------	-----

- #<-----><--> User T-series Engl Metr LKFG ***

*** X - X in out

206 8AVE60001 2 1 1 6 0 0 0

207	8AVE60002	2	1	1	6	0	0	0
208	8AVE60003	2	1	1	6	0	0	0
209	8AVE60100	2	1	1	6	0	0	0
210	8AVE10028	2	1	1	6	0	0	0
211	DHNA40001	1	1	1	6	0	0	0
214	8AVE30013	2	1	1	6	0	0	0
215	GRDS10025	1	1	1	6	0	0	0
216	CPDS30503	2	1	1	6	0	0	0
217	DHNA40004	2	1	1	6	0	0	0
218	GRDS10024	2	1	1	6	0	0	0
219	DHNA40003	2	1	1	6	0	0	0
220	DHNA40002	2	1	1	6	0	0	0
221	CPDS30010	2	1	1	6	0	0	0
222	DHNA40005	2	1	1	6	0	0	0
223	CPMD30008	2	1	1	6	0	0	0
224	CPMD30300	2	1	1	6	0	0	0
225	CPMD30009	2	1	1	6	0	0	0
226	CPDS30400	2	1	1	6	0	0	0
227	CPDS30501	2	1	1	6	0	0	0
228	CPDS30502	1	1	1	6	0	0	0
229	DHNA40007	2	1	1	6	0	0	0
230	CPMD50005	2	1	1	6	0	0	0
231	CPMD30007	1	1	1	6	0	0	0
232	DHNA40006	2	1	1	6	0	0	0
233	CPMD30200	1	1	1	6	0	0	0
234	DHNA30006	1	1	1	6	0	0	0
*** 235	DHNA30005	1	1	1	6	0	0	0 0
236	DHCA40006	2	1	1	6	0	0	0
237	DHCA30103	1	1	1	6	0	0	0
238	DHCA30004	1	1	1	6	0	0	0
239	CPMD50004	2	1	1	6	0	0	0
240	CPMD50400	2	1	1	6	0	0	0
241	DHCA40500	1	1	1	6	0	0	0

242	DHCA40005	1	1	1	6	0	0	0
243	GRDS12300	2	1	1	6	0	0	0
244	GRDS10023	2	1	1	6	0	0	0
245	DHCA30102	1	1	1	6	0	0	0
246	DHCA30101	1	1	1	6	0	0	0
247	DHCA40202	1	1	1	6	0	0	0
248	DHCA40400	1	1	1	6	0	0	0
249	DHCA40004	1	1	1	6	0	0	0
250	DHCA40300	2	1	1	6	0	0	0
251	CPMD50300	2	1	1	6	0	0	0
252	CPMD50003	2	1	1	6	0	0	0
253	CPMD50200	2	1	1	6	0	0	0
254	CPMD50002	1	1	1	6	0	0	0
255	DHCA40003	1	1	1	6	0	0	0
256	DHCA40203	1	1	1	6	0	0	0
257	DHCA40201	1	1	1	6	0	0	0
258	DHCA40002	1	1	1	6	0	0	0
259	CPMD50100	1	1	1	6	0	0	0
260	CPMD50001	1	1	1	6	0	0	0
261	DHCA40001	1	1	1	6	0	0	0
262	DHCA40103	1	1	1	6	0	0	0
263	GRDS10022	1	1	1	6	0	0	0
264	GRDS12203	1	1	1	6	0	0	0
265	DHCA30003	1	1	1	6	0	0	0
266	DHCA40102	1	1	1	6	0	0	0
267	DHCA30304	1	1	1	6	0	0	0
*** 268	GRDS12201	1	1	1	6	0	0	0
269	DHCA40101	1	1	1	6	0	0	0
270	GRDS12202	1	1	1	6	0	0	0
271	DHCA30200	1	1	1	6	0	0	0
272	DHCA30302	1	1	1	6	0	0	0
273	DHCA30002	1	1	1	6	0	0	0
274	GRPR12010	1	1	1	6	0	0	0

275	DHCA30303	1	1	1	6	0	0	0
276	GRDS12100	2	1	1	6	0	0	0
278	DHCA30301	1	1	1	6	0	0	0
279	GRPR11900	2	1	1	6	0	0	0
280	GRPR12013	1	1	1	6	0	0	0
281	GRDS10021	1	1	1	6	0	0	0
282	GRPR10020	1	1	1	6	0	0	0
*** 283	GRPR12014	1	1	1	6	0	0	0
284	GRPR10019	1	1	1	6	0	0	0
285	GRPR10018	2	1	1	6	0	0	0
286	GRPR12011	1	1	1	6	0	0	0
287	GRPR12012	1	1	1	6	0	0	0
288	DHCA30100	1	1	1	6	0	0	0
289	DHCA30001	1	1	1	6	0	0	0
290	GRPR20011	1	1	1	6	0	0	0
291	GRPR12009	1	1	1	6	0	0	0
292	GRPR12007	1	1	1	6	0	0	0
293	GRPR11800	2	1	1	6	0	0	0
294	GRPR12008	1	1	1	6	0	0	0
295	GRPR12006	1	1	1	6	0	0	0
296	GRPR12005	1	1	1	6	0	0	0
297	GRPR20010	1	1	1	6	0	0	0
298	GRPR21000	1	1	1	6	0	0	0
299	GRPR12004	1	1	1	6	0	0	0
300	GRPR12001	1	1	1	6	0	0	0
301	GRPR11700	2	1	1	6	0	0	0
302	GRPR11502	2	1	1	6	0	0	0
303	GRPR12002	1	1	1	6	0	0	0
304	GRPR12003	1	1	1	6	0	0	0
305	GRPR10017	2	1	1	6	0	0	0
306	GRPR10016	2	1	1	6	0	0	0
307	GRPR11503	2	1	1	6	0	0	0
308	GRPR10014	2	1	1	6	0	0	0

309	GRPR10015	1	1	1	6	0	0	0
310	GRPR11400	2	1	1	6	0	0	0
311	GRPR11501	2	1	1	6	0	0	0
312	MPDS10013	2	1	1	6	0	0	0
313	MPDS11309	2	1	1	6	0	0	0
314	GRPR11603	2	1	1	6	0	0	0
315	BMTN20700	1	1	1	6	0	0	0
316	MPUS10801	2	1	1	6	0	0	0
317	BMTN20909	2	1	1	6	0	0	0
318	MPDS11200	2	1	1	6	0	0	0
319	BMTN20606	1	1	1	6	0	0	0
320	BMTN20009	2	1	1	6	0	0	0
321	BMTN20008	1	1	1	6	0	0	0
322	GRPR11601	2	1	1	6	0	0	0
323	BMTN20007	1	1	1	6	0	0	0
324	BMTN20607	1	1	1	6	0	0	0
325	GRPR11602	2	1	1	6	0	0	0
326	BMTN20006	1	1	1	6	0	0	0
327	MPDS10012	2	1	1	6	0	0	0
328	MPUS10802	1	1	1	6	0	0	0
329	MPUS10803	1	1	1	6	0	0	0
330	BMTN20601	1	1	1	6	0	0	0
331	BMTN20604	1	1	1	6	0	0	0
332	MPDS11100	1	1	1	6	0	0	0
333	MPDS10011	2	1	1	6	0	0	0
334	BMTN20605	1	1	1	6	0	0	0
335	BMTN20603	1	1	1	6	0	0	0
336	MPDS10010	2	1	1	6	0	0	0
337	MPUS10009	2	1	1	6	0	0	0
338	MPUS10907	2	1	1	6	0	0	0
339	BMTN20905	2	1	1	6	0	0	0
340	BMTN20602	1	1	1	6	0	0	0
341	MPUS10702	2	1	1	6	0	0	0

342	BMTN20908	1	1	1	6	0	0	0
343	MPUS10008	1	1	1	6	0	0	0
344	BMTN20400	1	1	1	6	0	0	0
345	MPDS11000	2	1	1	6	0	0	0
346	MPUS10701	2	1	1	6	0	0	0
347	MPUS10703	2	1	1	6	0	0	0
348	MPUS10007	2	1	1	6	0	0	0
349	BMTN20500	1	1	1	6	0	0	0
350	BMTN20904	2	1	1	6	0	0	0
351	BMTN20903	2	1	1	6	0	0	0
352	MPDS11308	2	1	1	6	0	0	0
353	BMTN20906	1	1	1	6	0	0	0
354	MPDS11305	2	1	1	6	0	0	0
355	MPDS11306	2	1	1	6	0	0	0
356	MPDS11304	2	1	1	6	0	0	0
357	BMTN20005	1	1	1	6	0	0	0
358	MPDS11307	2	1	1	6	0	0	0
359	MPUS10600	2	1	1	6	0	0	0
360	MPUS10006	2	1	1	6	0	0	0
361	MPDS11303	2	1	1	6	0	0	0
362	BMTN20004	1	1	1	6	0	0	0
363	BMTN20902	2	1	1	6	0	0	0
364	BMTN20907	1	1	1	6	0	0	0
365	BMTN20901	2	1	1	6	0	0	0
366	BMTN20200	1	1	1	6	0	0	0
367	BMTN20300	1	1	1	6	0	0	0
368	MPUS10906	2	1	1	6	0	0	0
369	MPUS10903	1	1	1	6	0	0	0
370	MPUS10905	2	1	1	6	0	0	0
371	MPUS10904	1	1	1	6	0	0	0
372	BMTN20800	1	1	1	6	0	0	0
373	BMTN20003	1	1	1	6	0	0	0
374	MPUS10300	2	1	1	6	0	0	0

375	BMTN20002	1	1	1	6	0	0	0
377	BMTN20102	1	1	1	6	0	0	0
378	BMTN20103	1	1	1	6	0	0	0
379	MPUS10005	2	1	1	6	0	0	0
380	MPUS10500	2	1	1	6	0	0	0
381	MPUS10200	2	1	1	6	0	0	0
382	MPUS10901	1	1	1	6	0	0	0
383	MPUS10902	2	1	1	6	0	0	0
385	BMTN20101	1	1	1	6	0	0	0
386	MPUS10004	1	1	1	6	0	0	0
387	MPUS10003	1	1	1	6	0	0	0
388	MPUS10100	2	1	1	6	0	0	0
389	MPDS11302	2	1	1	6	0	0	0
390	MPUS10411	2	1	1	6	0	0	0
393	MPUS10002	2	1	1	6	0	0	0
394	MPUS10001	2	1	1	6	0	0	0
397	BMTN20001	1	1	1	6	0	0	0
398	MPUS10410	2	1	1	6	0	0	0
400	MPUS10409	2	1	1	6	0	0	0
401	MPDS11301	2	1	1	6	0	0	0
402	MPUS10402	1	1	1	6	0	0	0
403	MPUS10403	2	1	1	6	0	0	0
404	MPUS10401	2	1	1	6	0	0	0
405	MPUS10405	2	1	1	6	0	0	0
406	MPUS10407	2	1	1	6	0	0	0
407	MPUS10404	2	1	1	6	0	0	0
408	MPUS10406	2	1	1	6	0	0	0
409	MPUS10408	2	1	1	6	0	0	0
415	CPDS30012	1	1	1	6	0	0	0
416	CPDS30011	2	1	1	6	0	0	0
420	8AVE10027	2	1	1	6	0	0	0
421	GRDS10026	2	1	1	6	0	0	0

END GEN-INFO

HYDR-PARM1

*** Flags for HYDR section

*** exit #4 is routed to downstream reach based on channel vollume (pond volume is counted where necessary); exit #5 is routed to drywell dranaige; total outflow of each reach is by function of SUM

***FUNCT determines the function used to combine the components of an outflow demand. The possible values and their meanings are:

***1 means use the smaller of F(vol) and G(t)

***2 means use the larger of F(vol) and G(t)

***3 means use the sum of F(vol) and G(t)

***RC HRES VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each

*** x - x FG FG FG FG possible exit *** possible exit possible exit

207	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
208	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
209	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
210	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
214	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
216	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
217	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
218	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
219	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
220	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
221	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
222	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
223	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
224	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
225	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
226	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
206	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
227	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3

229	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
230	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
232	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
236	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
239	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
240	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
243	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
244	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
250	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
251	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
252	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
253	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
276	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
279	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
285	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
293	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
301	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
302	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
305	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
306	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
307	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
308	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
310	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
311	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
312	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
313	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
314	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
316	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
317	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
318	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
320	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
322	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
325	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3

327	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
333	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
336	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
337	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
338	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
339	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
341	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
345	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
346	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
347	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
348	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
350	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
351	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
352	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
354	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
355	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
356	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
358	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
359	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
360	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
361	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
363	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
365	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
368	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
370	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
374	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
379	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
380	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
381	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
383	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
388	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
389	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
390	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3

393	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
394	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
398	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
400	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
401	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
403	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
404	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
405	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
406	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
407	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
408	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
409	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
416	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
420	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3
421	0	1	0	0	4	5	0	0	0	0	0	0	0	0	3	3	3	3	3

211	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
215	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
228	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
231	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
233	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
234	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
235	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
237	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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241	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
242	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
245	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
246	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
247	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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249	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
254	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3

255	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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257	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
258	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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260	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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262	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
263	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
264	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
265	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
266	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
267	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
269	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
270	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
271	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
272	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
273	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
274	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
275	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
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280	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
281	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
282	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
284	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
286	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
287	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
288	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
289	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
290	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
291	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
292	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
294	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3

295	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
296	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
297	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
298	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
299	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
300	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
303	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
304	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
309	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
315	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
319	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
321	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
323	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
324	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
326	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
328	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
329	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
330	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
331	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
332	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
334	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
335	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
340	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
342	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
343	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
344	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
349	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
353	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
357	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
362	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
364	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
366	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
367	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3

369	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
371	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
372	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
373	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
375	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
377	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
378	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
382	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
385	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
386	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
387	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
397	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
402	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3
415	0	1	0	0	4	0	0	0	0	0	0	0	0	0	3	3	3	3	3

END HYDR-PARM1

HYDR-PARM2

***	RCHRES	FTBW	FTBU	LEN	DELTH	STCOR	KS	DB50
	<----->	<----->	<----->	<----->	<----->	<----->	<----->	***
***	X - X	(miles)	(ft)	(ft)		(in)		
206	206	0.96	58	0.0	0.5	0.01		
207	207	0.38	60	0.0	0.5	0.01		
208	208	0.59	6	0.0	0.5	0.01		
209	209	0.25	2	0.0	0.5	0.01		
210	210	0.32	4	0.0	0.5	0.01		

211	211	0.21	4	0.0	0.5	0.01
214	214	0.04	2	0.0	0.5	0.01
215	215	0.02	1	0.0	0.5	0.01
216	216	0.25	15	0.0	0.5	0.01
217	217	0.14	9	0.0	0.5	0.01
218	218	0.53	67	0.0	0.5	0.01
219	219	0.1	4	0.0	0.5	0.01
220	220	0.12	24	0.0	0.5	0.01
221	221	0.28	6	0.0	0.5	0.01
222	222	0.07	2	0.0	0.5	0.01
223	223	0.28	2	0.0	0.5	0.01
224	224	0.03	2	0.0	0.5	0.01
225	225	0.29	1	0.0	0.5	0.01
226	226	0.23	11	0.0	0.5	0.01
227	227	0.3	110	0.0	0.5	0.01
228	228	0.25	33	0.0	0.5	0.01
229	229	0.19	4	0.0	0.5	0.01
230	230	0.32	32	0.0	0.5	0.01
231	231	0.17	5	0.0	0.5	0.01
232	232	0.31	88	0.0	0.5	0.01
233	233	0.01	0	0.0	0.5	0.01
234	234	0.14	4	0.0	0.5	0.01
236	236	0.13	3	0.0	0.5	0.01
237	237	0.18	10	0.0	0.5	0.01
238	238	1.26	334	0.0	0.5	0.01
239	239	0.15	54	0.0	0.5	0.01
240	240	0.35	108	0.0	0.5	0.01
241	241	0.48	39	0.0	0.5	0.01
242	242	0.18	6	0.0	0.5	0.01
243	243	0.05	27	0.0	0.5	0.01
244	244	0.81	184	0.0	0.5	0.01
245	245	0.65	186	0.0	0.5	0.01
246	246	0.65	286	0.0	0.5	0.01

247	247	0.29	183	0.0	0.5	0.01
248	248	0.01	2	0.0	0.5	0.01
249	249	0.03	3	0.0	0.5	0.01
250	250	0.46	174	0.0	0.5	0.01
251	251	0.61	146	0.0	0.5	0.01
252	252	0.09	4	0.0	0.5	0.01
253	253	0.35	81	0.0	0.5	0.01
254	254	0.4	100	0.0	0.5	0.01
255	255	0.2	16	0.0	0.5	0.01
256	256	0.07	4	0.0	0.5	0.01
257	257	0.51	322	0.0	0.5	0.01
258	258	0.62	297	0.0	0.5	0.01
259	259	0.18	92	0.0	0.5	0.01
260	260	0.23	89	0.0	0.5	0.01
261	261	0.47	85	0.0	0.5	0.01
262	262	0.23	127	0.0	0.5	0.01
263	263	0.54	11	0.0	0.5	0.01
264	264	0.19	5	0.0	0.5	0.01
265	265	0.15	2	0.0	0.5	0.01
266	266	0.03	0	0.0	0.5	0.01
267	267	0.06	1	0.0	0.5	0.01
*** 268	268	0.26	9	0.0	0.5	0.01
269	269	0.05	9	0.0	0.5	0.01
270	270	0.17	16	0.0	0.5	0.01
271	271	0.06	0	0.0	0.5	0.01
272	272	0.37	87	0.0	0.5	0.01
273	273	0.52	115	0.0	0.5	0.01
274	274	0.72	208	0.0	0.5	0.01
275	275	0.29	95	0.0	0.5	0.01
276	276	0.61	111	0.0	0.5	0.01
278	278	0.19	101	0.0	0.5	0.01
279	279	0.64	91	0.0	0.5	0.01
280	280	0.5	37	0.0	0.5	0.01

281	281	0.14	9	0.0	0.5	0.01
282	282	0.03	0	0.0	0.5	0.01
*** 283	283	0.03	0	0.0	0.5	0.01
284	284	0.04	0	0.0	0.5	0.01
285	285	0.59	53	0.0	0.5	0.01
286	286	0.11	10	0.0	0.5	0.01
287	287	0.04	2	0.0	0.5	0.01
288	288	0.06	29	0.0	0.5	0.01
289	289	0.27	125	0.0	0.5	0.01
290	290	0.51	24	0.0	0.5	0.01
291	291	0.1	7	0.0	0.5	0.01
292	292	0.12	7	0.0	0.5	0.01
293	293	0.49	54	0.0	0.5	0.01
294	294	0.34	76	0.0	0.5	0.01
295	295	0.17	20	0.0	0.5	0.01
296	296	0.31	56	0.0	0.5	0.01
297	297	0.95	54	0.0	0.5	0.01
298	298	0.03	1	0.0	0.5	0.01
299	299	0.33	150	0.0	0.5	0.01
300	300	0.21	86	0.0	0.5	0.01
301	301	0.47	48	0.0	0.5	0.01
302	302	0.14	19	0.0	0.5	0.01
303	303	0.01	1	0.0	0.5	0.01
304	304	0.35	99	0.0	0.5	0.01
305	305	0.22	5	0.0	0.5	0.01
306	306	0.11	3	0.0	0.5	0.01
307	307	0.33	24	0.0	0.5	0.01
308	308	0.12	5	0.0	0.5	0.01
309	309	0.04	1	0.0	0.5	0.01
310	310	0.02	2	0.0	0.5	0.01
311	311	0.45	53	0.0	0.5	0.01
312	312	0.3	7	0.0	0.5	0.01
313	313	0.82	79	0.0	0.5	0.01

314	314	0.41	75	0.0	0.5	0.01
315	315	0.26	29	0.0	0.5	0.01
316	316	0.13	9	0.0	0.5	0.01
317	317	0.33	33	0.0	0.5	0.01
318	318	0.06	1	0.0	0.5	0.01
319	319	0.74	300	0.0	0.5	0.01
320	320	0.06	5	0.0	0.5	0.01
321	321	0.1	5	0.0	0.5	0.01
322	322	0.2	28	0.0	0.5	0.01
323	323	0.02	2	0.0	0.5	0.01
324	324	0.14	13	0.0	0.5	0.01
325	325	0.1	13	0.0	0.5	0.01
326	326	0.6	73	0.0	0.5	0.01
327	327	0.2	4	0.0	0.5	0.01
328	328	0.04	2	0.0	0.5	0.01
329	329	0.2	22	0.0	0.5	0.01
330	330	0.34	132	0.0	0.5	0.01
331	331	0.04	7	0.0	0.5	0.01
332	332	0.14	11	0.0	0.5	0.01
333	333	0.2	20	0.0	0.5	0.01
334	334	0.06	6	0.0	0.5	0.01
335	335	0.75	222	0.0	0.5	0.01
336	336	0.15	5	0.0	0.5	0.01
337	337	0.14	10	0.0	0.5	0.01
338	338	0.47	26	0.0	0.5	0.01
339	339	0.32	39	0.0	0.5	0.01
340	340	0.21	119	0.0	0.5	0.01
341	341	0.13	11	0.0	0.5	0.01
342	342	0.36	58	0.0	0.5	0.01
343	343	0.09	5	0.0	0.5	0.01
344	344	0.78	315	0.0	0.5	0.01
345	345	0.58	56	0.0	0.5	0.01
346	346	0.35	34	0.0	0.5	0.01

347	347	0.21	14	0.0	0.5	0.01
348	348	0.29	6	0.0	0.5	0.01
349	349	0.67	354	0.0	0.5	0.01
350	350	0.02	3	0.0	0.5	0.01
351	351	0.29	30	0.0	0.5	0.01
352	352	0.04	2	0.0	0.5	0.01
353	353	0.39	219	0.0	0.5	0.01
354	354	0.11	11	0.0	0.5	0.01
355	355	0.39	36	0.0	0.5	0.01
356	356	0.06	4	0.0	0.5	0.01
357	357	0.19	29	0.0	0.5	0.01
358	358	0.17	11	0.0	0.5	0.01
359	359	0.08	5	0.0	0.5	0.01
360	360	0.35	7	0.0	0.5	0.01
361	361	0.24	19	0.0	0.5	0.01
362	362	0.12	29	0.0	0.5	0.01
363	363	0.34	32	0.0	0.5	0.01
364	364	0.24	120	0.0	0.5	0.01
365	365	0.63	307	0.0	0.5	0.01
366	366	0.24	105	0.0	0.5	0.01
367	367	0.37	229	0.0	0.5	0.01
368	368	0.38	21	0.0	0.5	0.01
369	369	0.42	33	0.0	0.5	0.01
370	370	0.01	0	0.0	0.5	0.01
371	371	0.11	6	0.0	0.5	0.01
372	372	0.98	278	0.0	0.5	0.01
373	373	0.09	14	0.0	0.5	0.01
374	374	0.19	8	0.0	0.5	0.01
375	375	0.17	42	0.0	0.5	0.01
377	377	0.28	160	0.0	0.5	0.01
378	378	0.28	87	0.0	0.5	0.01
379	379	0.19	2	0.0	0.5	0.01
380	380	0.18	3	0.0	0.5	0.01

381	381	0.15	8	0.0	0.5	0.01
382	382	0.35	17	0.0	0.5	0.01
383	383	0.22	12	0.0	0.5	0.01
385	385	0.74	532	0.0	0.5	0.01
386	386	0.11	4	0.0	0.5	0.01
387	387	0.01	1	0.0	0.5	0.01
388	388	0.53	27	0.0	0.5	0.01
389	389	0.57	174	0.0	0.5	0.01
390	390	0.29	5	0.0	0.5	0.01
393	393	0.18	2	0.0	0.5	0.01
394	394	0.93	27	0.0	0.5	0.01
397	397	1.07	676	0.0	0.5	0.01
398	398	0.29	6	0.0	0.5	0.01
400	400	0.21	7	0.0	0.5	0.01
401	401	0.88	163	0.0	0.5	0.01
402	402	0.05	6	0.0	0.5	0.01
403	403	0.29	31	0.0	0.5	0.01
404	404	0.37	35	0.0	0.5	0.01
405	405	1.03	28	0.0	0.5	0.01
406	406	0.34	12	0.0	0.5	0.01
407	407	0.23	12	0.0	0.5	0.01
408	408	0.09	4	0.0	0.5	0.01
409	409	0.2	3	0.0	0.5	0.01
415	415	0.3	47	0.0	0.5	0.01
416	416	0.39	11	0.0	0.5	0.01
420	420	0.24	5	0.0	0.5	0.01
421	421	0.09	2	0.0	0.5	0.01

END HYDR-PARM2

HYDR-INIT

***** Initial conditions for HYDR section**

*****RC HRES VOL CAT Initial value of COLIND initial value of OUTDGT**

<-----><-----> <---><---><---><---><---> * <---><---><---><---><--->**

*** x - x ac-ft for each possible exit for each possible exit,ft3
 206 421 0 4.0
 END HYDR-INIT

END RCHRES

FTABLES

<--Depth-><---Area-><-Volume->Discharge1 to downstream; Discharge2. drywell capacity
 -lost; Discharge3. evaporation/infiltration from pond -lost***

(ft) (acres) (acre-ft) (cfs)***

*** E1st Ave&S Eastern Rd swale, 1.38 acre-ft, only evaporation occurs, outflow is
 updated to

FTABLE 206

41 5

0.0	0.48	0.00	0.00	0.00
2.2	0.48	1.38	0.00	1.43
2.3	0.48	1.41	83.00	1.43
2.4	0.48	1.50	90.14	1.43
2.5	0.48	1.60	97.61	1.43
2.6	0.48	1.69	105.42	1.43
2.7	0.48	1.79	113.56	1.43
2.8	0.48	1.88	122.05	1.43
2.9	0.48	1.99	130.89	1.43
3.0	0.48	2.09	140.09	1.43
3.1	0.48	2.19	149.64	1.43
3.2	0.48	2.30	159.56	1.43
3.3	0.48	2.41	169.85	1.43
3.4	0.48	2.53	180.51	1.43
3.5	0.48	2.64	191.56	1.43
3.6	0.48	2.76	202.98	1.43
3.7	0.48	2.88	214.80	1.43
3.8	0.48	3.00	227.00	1.43
3.9	0.48	3.12	239.61	1.43

4.0	0.48	3.25	252.62	1.43
4.1	0.48	3.38	266.04	1.43
4.2	0.48	3.51	279.87	1.43
4.3	0.48	3.64	294.11	1.43
4.4	0.48	3.78	308.78	1.43
4.5	0.48	3.92	323.88	1.43
4.6	0.48	4.06	339.40	1.43
4.7	0.48	4.20	355.37	1.43
4.8	0.48	4.34	371.77	1.43
4.9	0.48	4.49	388.61	1.43
5.0	0.48	4.64	405.91	1.43
5.1	0.48	4.79	423.66	1.43
5.2	0.48	4.95	441.87	1.43
5.3	0.48	5.10	460.54	1.43
5.4	0.48	5.26	479.67	1.43
5.5	0.48	5.43	499.28	1.43
5.6	0.48	5.59	519.37	1.43
5.7	0.48	5.75	539.93	1.43
5.8	0.48	5.92	560.98	1.43
5.9	0.48	6.09	582.52	1.43
6.0	0.48	6.27	604.56	1.43
6.1	2	100	20000	1.43

END FTABLE206

FTABLE 207

62 5

0.0	0.14	0.00	0.00	0.00
0.1	0.15	0.01	0.60	2.53
0.2	0.16	0.03	1.90	2.53
0.3	0.16	0.05	3.74	2.53
0.4	0.17	0.06	6.06	2.53
0.5	0.18	0.08	8.83	2.53
0.6	0.19	0.10	12.03	2.53
0.7	0.20	0.12	15.66	2.53

0.8	0.21	0.14	19.72	2.53
0.9	0.22	0.16	24.20	2.53
1.0	0.23	0.18	29.10	2.53
1.1	0.24	0.21	34.44	2.53
1.2	0.25	0.23	40.22	2.53
1.3	0.26	0.26	46.43	2.53
1.4	0.26	0.28	53.10	2.53
1.5	0.27	0.31	60.22	2.53
1.6	0.28	0.34	67.81	2.53
1.7	0.29	0.36	75.87	2.53
1.8	0.30	0.39	84.41	2.53
1.9	0.31	0.42	93.43	2.53
2.0	0.32	0.46	102.95	2.53
2.1	0.33	0.49	112.97	2.53
2.2	0.34	0.52	123.50	2.53
2.3	0.35	0.56	134.55	2.53
2.4	0.36	0.59	146.13	2.53
2.5	0.37	0.63	158.24	2.53
2.6	0.37	0.66	170.90	2.53
2.7	0.38	0.70	184.10	2.53
2.8	0.39	0.74	197.87	2.53
2.9	0.40	0.78	212.20	2.53
3.0	0.41	0.82	227.10	2.53
3.1	0.42	0.86	242.59	2.53
3.2	0.43	0.91	258.68	2.53
3.3	0.44	0.95	275.35	2.53
3.4	0.45	0.99	292.64	2.53
3.5	0.46	1.04	310.54	2.53
3.6	0.47	1.08	329.07	2.53
3.7	0.47	1.13	348.22	2.53
3.8	0.48	1.18	368.01	2.53
3.9	0.49	1.23	388.45	2.53
4.0	0.50	1.28	409.54	2.53

4.1	0.51	1.33	431.29	2.53
4.2	0.52	1.38	453.71	2.53
4.3	0.53	1.43	476.81	2.53
4.4	0.54	1.49	500.59	2.53
4.5	0.55	1.54	525.06	2.53
4.6	0.56	1.60	550.23	2.53
4.7	0.57	1.65	576.11	2.53
4.8	0.58	1.71	602.70	2.53
4.9	0.58	1.77	630.01	2.53
5.0	0.59	1.83	658.05	2.53
5.1	0.60	1.89	686.82	2.53
5.2	0.61	1.95	716.34	2.53
5.3	0.62	2.01	746.61	2.53
5.4	0.63	2.07	777.63	2.53
5.5	0.64	2.13	809.42	2.53
5.6	0.65	2.20	841.98	2.53
5.7	0.66	2.26	875.32	2.53
5.8	0.67	2.33	909.45	2.53
5.9	0.68	2.40	944.36	2.53
6.0	0.68	2.46	980.08	2.53
6.1	2	100	20000	2.53

END FTABLE207

FTABLE 209

62 5

0.0	0.09	0.00	0.00	0.00
0.1	0.10	0.01	0.14	0.77
0.2	0.10	0.02	0.43	0.77
0.3	0.11	0.03	0.84	0.77
0.4	0.12	0.04	1.36	0.77
0.5	0.12	0.05	1.98	0.77
0.6	0.13	0.07	2.70	0.77
0.7	0.14	0.08	3.52	0.77
0.8	0.14	0.09	4.43	0.77

0.9	0.15	0.11	5.44	0.77
1.0	0.15	0.12	6.54	0.77
1.1	0.16	0.14	7.74	0.77
1.2	0.17	0.16	9.04	0.77
1.3	0.17	0.17	10.44	0.77
1.4	0.18	0.19	11.93	0.77
1.5	0.18	0.21	13.53	0.77
1.6	0.19	0.23	15.24	0.77
1.7	0.20	0.25	17.05	0.77
1.8	0.20	0.27	18.97	0.77
1.9	0.21	0.29	21.00	0.77
2.0	0.22	0.31	23.14	0.77
2.1	0.22	0.33	25.39	0.77
2.2	0.23	0.35	27.76	0.77
2.3	0.23	0.38	30.24	0.77
2.4	0.24	0.40	32.84	0.77
2.5	0.25	0.42	35.56	0.77
2.6	0.25	0.45	38.41	0.77
2.7	0.26	0.47	41.37	0.77
2.8	0.26	0.50	44.47	0.77
2.9	0.27	0.53	47.69	0.77
3.0	0.28	0.55	51.04	0.77
3.1	0.28	0.58	54.52	0.77
3.2	0.29	0.61	58.13	0.77
3.3	0.30	0.64	61.88	0.77
3.4	0.30	0.67	65.77	0.77
3.5	0.31	0.70	69.79	0.77
3.6	0.31	0.73	73.95	0.77
3.7	0.32	0.76	78.26	0.77
3.8	0.33	0.80	82.70	0.77
3.9	0.33	0.83	87.30	0.77
4.0	0.34	0.86	92.04	0.77
4.1	0.34	0.90	96.93	0.77

4.2	0.35	0.93	101.96	0.77
4.3	0.36	0.97	107.15	0.77
4.4	0.36	1.00	112.50	0.77
4.5	0.37	1.04	118.00	0.77
4.6	0.38	1.08	123.65	0.77
4.7	0.38	1.11	129.47	0.77
4.8	0.39	1.15	135.45	0.77
4.9	0.39	1.19	141.58	0.77
5.0	0.40	1.23	147.88	0.77
5.1	0.41	1.27	154.35	0.77
5.2	0.41	1.31	160.99	0.77
5.3	0.42	1.35	167.79	0.77
5.4	0.42	1.40	174.76	0.77
5.5	0.43	1.44	181.90	0.77
5.6	0.44	1.48	189.22	0.77
5.7	0.44	1.53	196.71	0.77
5.8	0.45	1.57	204.38	0.77
5.9	0.46	1.62	212.23	0.77
6.0	0.46	1.66	220.26	0.77
6.1	2	100	20000	0.77

END FTABLE209

FTABLE 325

53 5

0.0	0.04	0.00	0.00	0.00
0.2	0.04	0.01	1.72	1.87
0.4	0.04	0.02	5.48	1.87
0.6	0.05	0.03	10.89	1.87
0.8	0.05	0.04	17.83	1.87
1.0	0.06	0.05	26.32	1.87
1.2	0.06	0.06	36.38	1.87
1.3	0.07	0.07	42.00	1.87
1.5	0.07	0.08	54.48	1.87
1.6	0.07	0.09	61.34	1.87

1.8	0.08	0.10	76.35	1.87
1.9	0.08	0.11	84.51	1.87
2.0	0.08	0.12	93.12	1.87
2.1	0.08	0.13	102.19	1.87
2.3	0.09	0.14	121.71	1.87
2.4	0.09	0.15	132.18	1.87
2.5	0.09	0.16	143.13	1.87
2.6	0.10	0.17	154.58	1.87
2.7	0.10	0.18	166.53	1.87
2.8	0.10	0.19	178.98	1.87
2.9	0.10	0.20	191.94	1.87
3.0	0.11	0.21	205.42	1.87
3.1	0.11	0.22	219.43	1.87
3.2	0.11	0.23	233.98	1.87
3.3	0.11	0.24	249.07	1.87
3.4	0.11	0.26	264.70	1.87
3.5	0.12	0.27	280.90	1.87
3.6	0.12	0.28	297.65	1.87
3.7	0.12	0.29	314.98	1.87
3.8	0.12	0.30	332.88	1.87
3.9	0.13	0.32	351.36	1.87
4.0	0.13	0.33	370.44	1.87
4.1	0.13	0.34	390.12	1.87
4.2	0.13	0.35	410.40	1.87
4.3	0.14	0.37	431.29	1.87
4.4	0.14	0.38	452.80	1.87
4.5	0.14	0.40	474.93	1.87
4.6	0.14	0.41	497.70	1.87
4.7	0.15	0.42	521.11	1.87
4.8	0.15	0.44	545.16	1.87
4.9	0.15	0.45	569.86	1.87
5.0	0.15	0.47	595.23	1.87
5.1	0.15	0.48	621.25	1.87

5.2	0.16	0.50	647.95	1.87
5.3	0.16	0.52	675.33	1.87
5.4	0.16	0.53	703.39	1.87
5.5	0.16	0.55	732.15	1.87
5.6	0.17	0.56	761.60	1.87
5.7	0.17	0.58	791.76	1.87
5.8	0.17	0.60	822.62	1.87
5.9	0.17	0.62	854.21	1.87
6.0	0.18	0.63	886.52	1.87
6.1	2	100	20000	1.87

END FTABLE325

FTABLE 208

62 5

0.0	0.21	0.00	0.00	0.00
0.1	0.23	0.02	0.15	1.21
0.2	0.24	0.05	0.47	1.21
0.3	0.26	0.07	0.92	1.21
0.4	0.27	0.10	1.49	1.21
0.5	0.29	0.13	2.17	1.21
0.6	0.30	0.15	2.96	1.21
0.7	0.31	0.19	3.86	1.21
0.8	0.33	0.22	4.85	1.21
0.9	0.34	0.25	5.96	1.21
1.0	0.36	0.29	7.16	1.21
1.1	0.37	0.32	8.48	1.21
1.2	0.39	0.36	9.90	1.21
1.3	0.40	0.40	11.43	1.21
1.4	0.41	0.44	13.07	1.21
1.5	0.43	0.48	14.83	1.21
1.6	0.44	0.53	16.69	1.21
1.7	0.46	0.57	18.68	1.21
1.8	0.47	0.62	20.78	1.21
1.9	0.49	0.67	23.00	1.21

2.0	0.50	0.72	25.34	1.21
2.1	0.52	0.77	27.81	1.21
2.2	0.53	0.82	30.40	1.21
2.3	0.54	0.87	33.12	1.21
2.4	0.56	0.93	35.97	1.21
2.5	0.57	0.98	38.96	1.21
2.6	0.59	1.04	42.07	1.21
2.7	0.60	1.10	45.32	1.21
2.8	0.62	1.16	48.71	1.21
2.9	0.63	1.22	52.24	1.21
3.0	0.64	1.29	55.91	1.21
3.1	0.66	1.35	59.72	1.21
3.2	0.67	1.42	63.68	1.21
3.3	0.69	1.49	67.79	1.21
3.4	0.70	1.56	72.04	1.21
3.5	0.72	1.63	76.45	1.21
3.6	0.73	1.70	81.01	1.21
3.7	0.74	1.77	85.73	1.21
3.8	0.76	1.85	90.60	1.21
3.9	0.77	1.92	95.63	1.21
4.0	0.79	2.00	100.82	1.21
4.1	0.80	2.08	106.18	1.21
4.2	0.82	2.16	111.70	1.21
4.3	0.83	2.25	117.38	1.21
4.4	0.84	2.33	123.24	1.21
4.5	0.86	2.41	129.26	1.21
4.6	0.87	2.50	135.46	1.21
4.7	0.89	2.59	141.83	1.21
4.8	0.90	2.68	148.37	1.21
4.9	0.92	2.77	155.10	1.21
5.0	0.93	2.86	162.00	1.21
5.1	0.94	2.95	169.08	1.21
5.2	0.96	3.05	176.35	1.21

5.3	0.97	3.15	183.80	1.21
5.4	0.99	3.24	191.44	1.21
5.5	1.00	3.34	199.27	1.21
5.6	1.02	3.44	207.28	1.21
5.7	1.03	3.55	215.49	1.21
5.8	1.04	3.65	223.89	1.21
5.9	1.06	3.76	232.49	1.21
6.0	1.07	3.86	241.28	1.21
6.1	2	100	20000	1.21

END FTABLE208

FTABLE 226

62 5

0.0	0.08	0.00	0.00	0.00
0.1	0.09	0.01	0.33	1.87
0.2	0.10	0.02	1.03	1.87
0.3	0.10	0.03	2.03	1.87
0.4	0.11	0.04	3.28	1.87
0.5	0.11	0.05	4.78	1.87
0.6	0.12	0.06	6.51	1.87
0.7	0.12	0.07	8.48	1.87
0.8	0.13	0.09	10.67	1.87
0.9	0.13	0.10	13.10	1.87
1.0	0.14	0.11	15.75	1.87
1.1	0.15	0.13	18.64	1.87
1.2	0.15	0.14	21.77	1.87
1.3	0.16	0.16	25.13	1.87
1.4	0.16	0.17	28.74	1.87
1.5	0.17	0.19	32.60	1.87
1.6	0.17	0.21	36.70	1.87
1.7	0.18	0.22	41.06	1.87
1.8	0.18	0.24	45.68	1.87
1.9	0.19	0.26	50.57	1.87
2.0	0.20	0.28	55.72	1.87

2.1	0.20	0.30	61.14	1.87
2.2	0.21	0.32	66.84	1.87
2.3	0.21	0.34	72.82	1.87
2.4	0.22	0.36	79.09	1.87
2.5	0.22	0.38	85.64	1.87
2.6	0.23	0.41	92.49	1.87
2.7	0.24	0.43	99.64	1.87
2.8	0.24	0.45	107.09	1.87
2.9	0.25	0.48	114.85	1.87
3.0	0.25	0.50	122.92	1.87
3.1	0.26	0.53	131.30	1.87
3.2	0.26	0.56	140.00	1.87
3.3	0.27	0.58	149.03	1.87
3.4	0.27	0.61	158.39	1.87
3.5	0.28	0.64	168.07	1.87
3.6	0.29	0.67	178.10	1.87
3.7	0.29	0.69	188.47	1.87
3.8	0.30	0.72	199.18	1.87
3.9	0.30	0.75	210.24	1.87
4.0	0.31	0.78	221.65	1.87
4.1	0.31	0.82	233.43	1.87
4.2	0.32	0.85	245.56	1.87
4.3	0.32	0.88	258.06	1.87
4.4	0.33	0.91	270.93	1.87
4.5	0.34	0.94	284.18	1.87
4.6	0.34	0.98	297.80	1.87
4.7	0.35	1.01	311.81	1.87
4.8	0.35	1.05	326.20	1.87
4.9	0.36	1.08	340.98	1.87
5.0	0.36	1.12	356.15	1.87
5.1	0.37	1.16	371.73	1.87
5.2	0.38	1.19	387.70	1.87
5.3	0.38	1.23	404.09	1.87

5.4	0.39	1.27	420.88	1.87
5.5	0.39	1.31	438.08	1.87
5.6	0.40	1.35	455.70	1.87
5.7	0.40	1.39	473.75	1.87
5.8	0.41	1.43	492.22	1.87
5.9	0.41	1.47	511.12	1.87
6.0	0.42	1.51	530.45	1.87
6.1	2	100	20000	1.87

END FTABLE226

FTABLE 228

62 4

0.0	0.09	0.00	0.00
0.1	0.10	0.01	0.55
0.2	0.10	0.02	1.75
0.3	0.11	0.03	3.45
0.4	0.11	0.04	5.59
0.5	0.12	0.05	8.13
0.6	0.12	0.06	11.08
0.7	0.13	0.08	14.43
0.8	0.14	0.09	18.16
0.9	0.14	0.10	22.29
1.0	0.15	0.12	26.81
1.1	0.15	0.13	31.72
1.2	0.16	0.15	37.04
1.3	0.17	0.17	42.77
1.4	0.17	0.18	48.91
1.5	0.18	0.20	55.47
1.6	0.18	0.22	62.46
1.7	0.19	0.24	69.89
1.8	0.20	0.26	77.75
1.9	0.20	0.28	86.06
2.0	0.21	0.30	94.83
2.1	0.21	0.32	104.06

2.2	0.22	0.34	113.76
2.3	0.23	0.36	123.94
2.4	0.23	0.39	134.60
2.5	0.24	0.41	145.76
2.6	0.24	0.43	157.42
2.7	0.25	0.46	169.58
2.8	0.26	0.48	182.26
2.9	0.26	0.51	195.46
3.0	0.27	0.54	209.19
3.1	0.27	0.56	223.46
3.2	0.28	0.59	238.27
3.3	0.29	0.62	253.64
3.4	0.29	0.65	269.56
3.5	0.30	0.68	286.05
3.6	0.30	0.71	303.11
3.7	0.31	0.74	320.76
3.8	0.32	0.77	338.99
3.9	0.32	0.80	357.81
4.0	0.33	0.83	377.24
4.1	0.33	0.87	397.28
4.2	0.34	0.90	417.93
4.3	0.35	0.93	439.20
4.4	0.35	0.97	461.11
4.5	0.36	1.00	483.65
4.6	0.36	1.04	506.83
4.7	0.37	1.08	530.67
4.8	0.37	1.11	555.16
4.9	0.38	1.15	580.32
5.0	0.39	1.19	606.15
5.1	0.39	1.23	632.65
5.2	0.40	1.27	659.84
5.3	0.40	1.31	687.72
5.4	0.41	1.35	716.30

5.5	0.42	1.39	745.58
5.6	0.42	1.43	775.58
5.7	0.43	1.48	806.29
5.8	0.43	1.52	837.72
5.9	0.44	1.56	869.88
6.0	0.45	1.61	902.79
6.1	2	100	20000

END FTABLE228

FTABLE 211

62 4

0.0	0.08	0.00	0.00
0.1	0.08	0.01	0.21
0.2	0.09	0.02	0.66
0.3	0.09	0.03	1.30
0.4	0.10	0.04	2.11
0.5	0.10	0.05	3.07
0.6	0.11	0.06	4.19
0.7	0.11	0.07	5.45
0.8	0.12	0.08	6.86
0.9	0.12	0.09	8.42
1.0	0.13	0.10	10.13
1.1	0.13	0.12	11.99
1.2	0.14	0.13	14.00
1.3	0.14	0.14	16.17
1.4	0.15	0.16	18.49
1.5	0.15	0.17	20.97
1.6	0.16	0.19	23.61
1.7	0.17	0.21	26.41
1.8	0.17	0.22	29.39
1.9	0.18	0.24	32.53
2.0	0.18	0.26	35.84
2.1	0.19	0.28	39.33
2.2	0.19	0.30	43.00

2.3	0.20	0.31	46.85
2.4	0.20	0.33	50.88
2.5	0.21	0.36	55.09
2.6	0.21	0.38	59.50
2.7	0.22	0.40	64.10
2.8	0.22	0.42	68.89
2.9	0.23	0.44	73.88
3.0	0.23	0.46	79.07
3.1	0.24	0.49	84.46
3.2	0.24	0.51	90.06
3.3	0.25	0.54	95.87
3.4	0.25	0.56	101.88
3.5	0.26	0.59	108.12
3.6	0.26	0.61	114.57
3.7	0.27	0.64	121.23
3.8	0.27	0.67	128.12
3.9	0.28	0.69	135.24
4.0	0.28	0.72	142.58
4.1	0.29	0.75	150.16
4.2	0.29	0.78	157.96
4.3	0.30	0.81	166.00
4.4	0.30	0.84	174.28
4.5	0.31	0.87	182.80
4.6	0.32	0.90	191.57
4.7	0.32	0.93	200.57
4.8	0.33	0.97	209.83
4.9	0.33	1.00	219.34
5.0	0.34	1.03	229.10
5.1	0.34	1.07	239.12
5.2	0.35	1.10	249.40
5.3	0.35	1.14	259.93
5.4	0.36	1.17	270.74
5.5	0.36	1.21	281.80

5.6	0.37	1.24	293.14
5.7	0.37	1.28	304.75
5.8	0.38	1.32	316.63
5.9	0.38	1.36	328.79
6.0	0.39	1.39	341.22
6.1	2	100	20000

END FTABLE211

FTABLE 220

56 5

0.0	0.04	0.00	0.00	0.00
0.2	0.05	0.01	2.15	0.55
0.4	0.05	0.02	6.84	0.55
0.5	0.06	0.03	9.96	0.55
0.7	0.06	0.04	17.67	0.55
0.9	0.07	0.05	27.30	0.55
1.0	0.07	0.06	32.83	0.55
1.2	0.08	0.07	45.37	0.55
1.3	0.08	0.08	52.38	0.55
1.4	0.08	0.09	59.91	0.55
1.5	0.09	0.10	67.94	0.55
1.6	0.09	0.11	76.50	0.55
1.8	0.09	0.12	95.22	0.55
1.9	0.10	0.13	105.40	0.55
2.0	0.10	0.14	116.14	0.55
2.1	0.10	0.15	127.45	0.55
2.2	0.11	0.16	139.33	0.55
2.3	0.11	0.18	151.80	0.55
2.4	0.11	0.19	164.86	0.55
2.5	0.12	0.20	178.52	0.55
2.6	0.12	0.21	192.80	0.55
2.7	0.12	0.22	207.69	0.55
2.8	0.12	0.23	223.22	0.55
2.9	0.13	0.25	239.39	0.55

3.0	0.13	0.26	256.21	0.55
3.1	0.13	0.27	273.68	0.55
3.2	0.14	0.29	291.82	0.55
3.3	0.14	0.30	310.64	0.55
3.4	0.14	0.31	330.14	0.55
3.5	0.14	0.33	350.34	0.55
3.6	0.15	0.34	371.24	0.55
3.7	0.15	0.36	392.84	0.55
3.8	0.15	0.37	415.17	0.55
3.9	0.16	0.39	438.23	0.55
4.0	0.16	0.40	462.02	0.55
4.1	0.16	0.42	486.56	0.55
4.2	0.16	0.44	511.85	0.55
4.3	0.17	0.45	537.91	0.55
4.4	0.17	0.47	564.74	0.55
4.5	0.17	0.49	592.35	0.55
4.6	0.18	0.50	620.74	0.55
4.7	0.18	0.52	649.94	0.55
4.8	0.18	0.54	679.93	0.55
4.9	0.18	0.56	710.74	0.55
5.0	0.19	0.58	742.38	0.55
5.1	0.19	0.59	774.84	0.55
5.2	0.19	0.61	808.14	0.55
5.3	0.20	0.63	842.29	0.55
5.4	0.20	0.65	877.29	0.55
5.5	0.20	0.67	913.15	0.55
5.6	0.20	0.69	949.88	0.55
5.7	0.21	0.71	987.49	0.55
5.8	0.21	0.73	1025.99	0.55
5.9	0.21	0.76	1065.39	0.55
6.0	0.22	0.78	1105.68	0.55
6.1	2	100	20000	0.55

END FTABLE220

FTABLE 217**59 5**

0.0	0.05	0.00	0.00	0.00
0.1	0.06	0.01	0.37	2.31
0.3	0.06	0.02	2.29	2.31
0.5	0.07	0.03	5.40	2.31
0.6	0.07	0.04	7.36	2.31
0.8	0.08	0.05	12.05	2.31
0.9	0.08	0.06	14.79	2.31
1.0	0.09	0.07	17.79	2.31
1.1	0.09	0.08	21.06	2.31
1.2	0.09	0.09	24.59	2.31
1.3	0.10	0.10	28.39	2.31
1.4	0.10	0.11	32.46	2.31
1.5	0.10	0.12	36.82	2.31
1.6	0.11	0.13	41.46	2.31
1.7	0.11	0.14	46.38	2.31
1.8	0.11	0.15	51.60	2.31
1.9	0.12	0.16	57.12	2.31
2.0	0.12	0.17	62.94	2.31
2.1	0.12	0.18	69.06	2.31
2.2	0.13	0.20	75.50	2.31
2.3	0.13	0.21	82.26	2.31
2.4	0.13	0.22	89.34	2.31
2.5	0.14	0.24	96.74	2.31
2.6	0.14	0.25	104.48	2.31
2.7	0.14	0.27	112.55	2.31
2.8	0.15	0.28	120.96	2.31
2.9	0.15	0.29	129.73	2.31
3.0	0.16	0.31	138.84	2.31
3.1	0.16	0.33	148.31	2.31
3.2	0.16	0.34	158.14	2.31
3.3	0.17	0.36	168.34	2.31

3.4	0.17	0.37	178.90	2.31
3.5	0.17	0.39	189.85	2.31
3.6	0.18	0.41	201.17	2.31
3.7	0.18	0.43	212.88	2.31
3.8	0.18	0.45	224.98	2.31
3.9	0.19	0.46	237.47	2.31
4.0	0.19	0.48	250.37	2.31
4.1	0.19	0.50	263.67	2.31
4.2	0.20	0.52	277.37	2.31
4.3	0.20	0.54	291.49	2.31
4.4	0.20	0.56	306.03	2.31
4.5	0.21	0.58	320.99	2.31
4.6	0.21	0.60	336.38	2.31
4.7	0.21	0.62	352.20	2.31
4.8	0.22	0.64	368.45	2.31
4.9	0.22	0.67	385.15	2.31
5.0	0.22	0.69	402.29	2.31
5.1	0.23	0.71	419.88	2.31
5.2	0.23	0.73	437.93	2.31
5.3	0.23	0.76	456.43	2.31
5.4	0.24	0.78	475.40	2.31
5.5	0.24	0.81	494.83	2.31
5.6	0.24	0.83	514.74	2.31
5.7	0.25	0.85	535.12	2.31
5.8	0.25	0.88	555.98	2.31
5.9	0.25	0.90	577.33	2.31
6.0	0.26	0.93	599.16	2.31
6.1	2	100	20000	2.31

END FTABLE217

FTABLE 219

53 5

0.0	0.04	0.00	0.00	0.00
0.2	0.04	0.01	0.94	0.77

0.4	0.04	0.02	2.99	0.77
0.6	0.05	0.03	5.93	0.77
0.8	0.05	0.04	9.71	0.77
1.0	0.06	0.05	14.33	0.77
1.2	0.06	0.06	19.80	0.77
1.3	0.07	0.07	22.86	0.77
1.5	0.07	0.08	29.65	0.77
1.6	0.07	0.09	33.39	0.77
1.8	0.08	0.10	41.56	0.77
1.9	0.08	0.11	46.00	0.77
2.0	0.08	0.12	50.69	0.77
2.1	0.08	0.13	55.62	0.77
2.3	0.09	0.14	66.25	0.77
2.4	0.09	0.15	71.95	0.77
2.5	0.09	0.16	77.91	0.77
2.6	0.10	0.17	84.14	0.77
2.7	0.10	0.18	90.65	0.77
2.8	0.10	0.19	97.42	0.77
2.9	0.10	0.20	104.48	0.77
3.0	0.11	0.21	111.82	0.77
3.1	0.11	0.22	119.45	0.77
3.2	0.11	0.23	127.36	0.77
3.3	0.11	0.25	135.58	0.77
3.4	0.12	0.26	144.09	0.77
3.5	0.12	0.27	152.90	0.77
3.6	0.12	0.28	162.02	0.77
3.7	0.12	0.29	171.45	0.77
3.8	0.12	0.30	181.20	0.77
3.9	0.13	0.32	191.26	0.77
4.0	0.13	0.33	201.64	0.77
4.1	0.13	0.34	212.35	0.77
4.2	0.13	0.36	223.39	0.77
4.3	0.14	0.37	234.76	0.77

4.4	0.14	0.38	246.47	0.77
4.5	0.14	0.40	258.52	0.77
4.6	0.14	0.41	270.91	0.77
4.7	0.15	0.43	283.66	0.77
4.8	0.15	0.44	296.75	0.77
4.9	0.15	0.46	310.19	0.77
5.0	0.15	0.47	324.00	0.77
5.1	0.16	0.49	338.17	0.77
5.2	0.16	0.50	352.70	0.77
5.3	0.16	0.52	367.60	0.77
5.4	0.16	0.53	382.88	0.77
5.5	0.17	0.55	398.53	0.77
5.6	0.17	0.57	414.56	0.77
5.7	0.17	0.58	430.98	0.77
5.8	0.17	0.60	447.78	0.77
5.9	0.17	0.62	464.97	0.77
6.0	0.18	0.64	482.56	0.77
6.1	2	100	20000	0.77

END FTABLE219

FTABLE 224

21 5

0.0	0.01	0.00	0.00	0.00
0.5	0.01	0.01	5.75	2.75
1.1	0.02	0.02	22.43	2.75
1.6	0.02	0.03	44.17	2.75
2.0	0.02	0.04	67.06	2.75
2.4	0.03	0.05	95.18	2.75
2.8	0.03	0.06	128.88	2.75
3.1	0.03	0.07	158.01	2.75
3.4	0.03	0.08	190.61	2.75
3.7	0.04	0.09	226.81	2.75
4.0	0.04	0.10	266.75	2.75
4.2	0.04	0.11	295.52	2.75

4.5	0.04	0.12	341.99	2.75
4.7	0.04	0.13	375.24	2.75
4.9	0.05	0.14	410.35	2.75
5.1	0.05	0.15	447.35	2.75
5.4	0.05	0.16	506.50	2.75
5.6	0.05	0.17	548.42	2.75
5.8	0.05	0.18	592.36	2.75
6.0	0.05	0.19	638.37	2.75
6.1	2	100	20000	2.75

END FTABLE224

*** Loyd Ln swale, 0.72 acre area, only evaporation occurs, storage of 2.38 acre ft is considered in outflow

FTABLE 243

4	5			
0.0	0.72	0.00	0.00	0.00
5.9	0.72	2.38	0.00	0.11
6.0	0.72	4.00	1716.31	0.11
6.1	2	100	20000	0.11

END FTABLE243

FTABLE 222

45	5			
0.0	0.02	0.00	0.00	0.00
0.2	0.03	0.01	0.06	0.22
0.6	0.03	0.02	0.38	0.22
0.8	0.04	0.03	0.63	0.22
1.1	0.04	0.04	1.09	0.22
1.3	0.05	0.05	1.48	0.22
1.5	0.05	0.06	1.91	0.22
1.7	0.05	0.07	2.41	0.22
1.9	0.06	0.08	2.97	0.22
2.1	0.06	0.09	3.59	0.22
2.3	0.06	0.10	4.28	0.22
2.4	0.06	0.11	4.64	0.22

2.6	0.07	0.12	5.43	0.22
2.7	0.07	0.13	5.85	0.22
2.9	0.07	0.14	6.74	0.22
3.0	0.07	0.15	7.22	0.22
3.1	0.08	0.16	7.71	0.22
3.3	0.08	0.17	8.75	0.22
3.4	0.08	0.18	9.30	0.22
3.5	0.08	0.19	9.87	0.22
3.6	0.08	0.20	10.46	0.22
3.7	0.09	0.21	11.07	0.22
3.9	0.09	0.22	12.35	0.22
4.0	0.09	0.23	13.02	0.22
4.1	0.09	0.24	13.71	0.22
4.2	0.09	0.25	14.42	0.22
4.3	0.10	0.26	15.15	0.22
4.4	0.10	0.27	15.91	0.22
4.5	0.10	0.28	16.69	0.22
4.6	0.10	0.29	17.49	0.22
4.7	0.10	0.30	18.31	0.22
4.8	0.10	0.31	19.15	0.22
4.9	0.11	0.32	20.02	0.22
5.0	0.11	0.33	20.91	0.22
5.1	0.11	0.34	21.83	0.22
5.2	0.11	0.35	22.77	0.22
5.3	0.11	0.36	23.73	0.22
5.4	0.11	0.38	24.71	0.22
5.5	0.12	0.39	25.73	0.22
5.6	0.12	0.40	26.76	0.22
5.7	0.12	0.41	27.82	0.22
5.8	0.12	0.42	28.90	0.22
5.9	0.12	0.43	30.01	0.22
6.0	0.12	0.45	31.15	0.22
6.1	2	100	20000	0.22

END FTABLE222

FTABLE 232

62 5

0.0	0.11	0.00	0.00	0.00
0.1	0.12	0.01	0.80	0.33
0.2	0.13	0.02	2.54	0.33
0.3	0.14	0.04	4.99	0.33
0.4	0.14	0.05	8.08	0.33
0.5	0.15	0.07	11.78	0.33
0.6	0.16	0.08	16.05	0.33
0.7	0.17	0.10	20.88	0.33
0.8	0.17	0.11	26.29	0.33
0.9	0.18	0.13	32.26	0.33
1.0	0.19	0.15	38.80	0.33
1.1	0.20	0.17	45.92	0.33
1.2	0.20	0.19	53.62	0.33
1.3	0.21	0.21	61.91	0.33
1.4	0.22	0.23	70.80	0.33
1.5	0.23	0.26	80.30	0.33
1.6	0.23	0.28	90.42	0.33
1.7	0.24	0.30	101.16	0.33
1.8	0.25	0.33	112.54	0.33
1.9	0.26	0.35	124.58	0.33
2.0	0.26	0.38	137.27	0.33
2.1	0.27	0.40	150.63	0.33
2.2	0.28	0.43	164.67	0.33
2.3	0.29	0.46	179.40	0.33
2.4	0.29	0.49	194.84	0.33
2.5	0.30	0.52	210.99	0.33
2.6	0.31	0.55	227.86	0.33
2.7	0.32	0.58	245.47	0.33
2.8	0.33	0.61	263.82	0.33
2.9	0.33	0.65	282.93	0.33

3.0	0.34	0.68	302.81	0.33
3.1	0.35	0.71	323.46	0.33
3.2	0.36	0.75	344.90	0.33
3.3	0.36	0.79	367.14	0.33
3.4	0.37	0.82	390.19	0.33
3.5	0.38	0.86	414.06	0.33
3.6	0.39	0.90	438.75	0.33
3.7	0.39	0.94	464.29	0.33
3.8	0.40	0.98	490.68	0.33
3.9	0.41	1.02	517.93	0.33
4.0	0.42	1.06	546.05	0.33
4.1	0.42	1.10	575.05	0.33
4.2	0.43	1.14	604.95	0.33
4.3	0.44	1.19	635.74	0.33
4.4	0.45	1.23	667.45	0.33
4.5	0.45	1.28	700.08	0.33
4.6	0.46	1.32	733.64	0.33
4.7	0.47	1.37	768.14	0.33
4.8	0.48	1.42	803.59	0.33
4.9	0.48	1.46	840.01	0.33
5.0	0.49	1.51	877.40	0.33
5.1	0.50	1.56	915.76	0.33
5.2	0.51	1.61	955.12	0.33
5.3	0.51	1.66	995.47	0.33
5.4	0.52	1.72	1036.84	0.33
5.5	0.53	1.77	1079.23	0.33
5.6	0.54	1.82	1122.64	0.33
5.7	0.54	1.87	1167.09	0.33
5.8	0.55	1.93	1212.59	0.33
5.9	0.56	1.99	1259.15	0.33
6.0	0.57	2.04	1306.78	0.33
6.1	2	100	20000	0.33

END FTABLE232

FTABLE 240**62 5**

0.0	0.13	0.00	0.00	0.00
0.1	0.13	0.01	0.84	3.63
0.2	0.14	0.03	2.67	3.63
0.3	0.15	0.04	5.24	3.63
0.4	0.16	0.06	8.49	3.63
0.5	0.17	0.07	12.36	3.63
0.6	0.18	0.09	16.85	3.63
0.7	0.18	0.11	21.93	3.63
0.8	0.19	0.13	27.60	3.63
0.9	0.20	0.15	33.87	3.63
1.0	0.21	0.17	40.74	3.63
1.1	0.22	0.19	48.21	3.63
1.2	0.23	0.21	56.30	3.63
1.3	0.23	0.23	65.00	3.63
1.4	0.24	0.26	74.33	3.63
1.5	0.25	0.28	84.31	3.63
1.6	0.26	0.31	94.93	3.63
1.7	0.27	0.33	106.21	3.63
1.8	0.28	0.36	118.16	3.63
1.9	0.28	0.39	130.79	3.63
2.0	0.29	0.42	144.12	3.63
2.1	0.30	0.45	158.14	3.63
2.2	0.31	0.48	172.89	3.63
2.3	0.32	0.51	188.35	3.63
2.4	0.33	0.54	204.56	3.63
2.5	0.34	0.58	221.52	3.63
2.6	0.34	0.61	239.23	3.63
2.7	0.35	0.64	257.72	3.63
2.8	0.36	0.68	276.98	3.63
2.9	0.37	0.72	297.05	3.63
3.0	0.38	0.75	317.91	3.63

3.1	0.39	0.79	339.60	3.63
3.2	0.39	0.83	362.11	3.63
3.3	0.40	0.87	385.46	3.63
3.4	0.41	0.91	409.66	3.63
3.5	0.42	0.95	434.71	3.63
3.6	0.43	1.00	460.64	3.63
3.7	0.44	1.04	487.46	3.63
3.8	0.44	1.08	515.16	3.63
3.9	0.45	1.13	543.77	3.63
4.0	0.46	1.17	573.30	3.63
4.1	0.47	1.22	603.74	3.63
4.2	0.48	1.27	635.13	3.63
4.3	0.49	1.32	667.46	3.63
4.4	0.49	1.36	700.75	3.63
4.5	0.50	1.41	735.01	3.63
4.6	0.51	1.46	770.24	3.63
4.7	0.52	1.52	806.47	3.63
4.8	0.53	1.57	843.69	3.63
4.9	0.54	1.62	881.92	3.63
5.0	0.54	1.68	921.17	3.63
5.1	0.55	1.73	961.45	3.63
5.2	0.56	1.79	1002.77	3.63
5.3	0.57	1.84	1045.14	3.63
5.4	0.58	1.90	1088.57	3.63
5.5	0.59	1.96	1133.07	3.63
5.6	0.60	2.02	1178.65	3.63
5.7	0.60	2.08	1225.32	3.63
5.8	0.61	2.14	1273.09	3.63
5.9	0.62	2.20	1321.97	3.63
6.0	0.63	2.26	1371.97	3.63
6.1	2	100	20000	3.63

END FTABLE240

*** 25th Ln swale, 0.39 acre area, only evaporation occurs, storage of 1.78 acre ft is considered in outflow

FTABLE 251

27 5

0.0	0.39	0.00	0.00	0.00
3.6	0.39	1.78	0.00	1.65
3.7	0.39	1.84	425.76	1.65
3.8	0.39	1.92	449.96	1.65
3.9	0.39	2.00	474.95	1.65
4.0	0.39	2.08	500.74	1.65
4.1	0.39	2.16	527.33	1.65
4.2	0.39	2.24	554.74	1.65
4.3	0.39	2.33	582.98	1.65
4.4	0.39	2.41	612.06	1.65
4.5	0.39	2.50	641.98	1.65
4.6	0.39	2.59	672.76	1.65
4.7	0.39	2.68	704.39	1.65
4.8	0.39	2.78	736.91	1.65
4.9	0.39	2.87	770.30	1.65
5.0	0.39	2.97	804.58	1.65
5.1	0.39	3.06	839.76	1.65
5.2	0.39	3.16	875.85	1.65
5.3	0.39	3.26	912.86	1.65
5.4	0.39	3.36	950.79	1.65
5.5	0.39	3.47	989.66	1.65
5.6	0.39	3.57	1029.47	1.65
5.7	0.39	3.68	1070.24	1.65
5.8	0.39	3.79	1111.96	1.65
5.9	0.39	3.89	1154.66	1.65
6.0	0.39	4.01	1198.33	1.65
6.1	0.39	100	20000	1.65

END FTABLE251

FTABLE 227

62 5

0.0	0.11	0.00	0.00	0.00
0.1	0.12	0.01	0.91	0.33
0.2	0.12	0.02	2.88	0.33
0.3	0.13	0.04	5.66	0.33
0.4	0.14	0.05	9.16	0.33
0.5	0.15	0.06	13.34	0.33
0.6	0.15	0.08	18.18	0.33
0.7	0.16	0.10	23.67	0.33
0.8	0.17	0.11	29.79	0.33
0.9	0.18	0.13	36.56	0.33
1.0	0.18	0.15	43.97	0.33
1.1	0.19	0.17	52.04	0.33
1.2	0.20	0.19	60.76	0.33
1.3	0.21	0.21	70.16	0.33
1.4	0.21	0.23	80.23	0.33
1.5	0.22	0.25	90.99	0.33
1.6	0.23	0.27	102.46	0.33
1.7	0.24	0.29	114.63	0.33
1.8	0.24	0.32	127.53	0.33
1.9	0.25	0.34	141.17	0.33
2.0	0.26	0.37	155.55	0.33
2.1	0.26	0.39	170.69	0.33
2.2	0.27	0.42	186.60	0.33
2.3	0.28	0.45	203.30	0.33
2.4	0.29	0.48	220.79	0.33
2.5	0.29	0.51	239.09	0.33
2.6	0.30	0.53	258.21	0.33
2.7	0.31	0.57	278.16	0.33
2.8	0.32	0.60	298.96	0.33
2.9	0.32	0.63	320.61	0.33
3.0	0.33	0.66	343.13	0.33
3.1	0.34	0.69	366.54	0.33

3.2	0.35	0.73	390.83	0.33
3.3	0.35	0.76	416.03	0.33
3.4	0.36	0.80	442.15	0.33
3.5	0.37	0.84	469.20	0.33
3.6	0.37	0.87	497.19	0.33
3.7	0.38	0.91	526.13	0.33
3.8	0.39	0.95	556.03	0.33
3.9	0.40	0.99	586.91	0.33
4.0	0.40	1.03	618.77	0.33
4.1	0.41	1.07	651.64	0.33
4.2	0.42	1.11	685.51	0.33
4.3	0.43	1.15	720.41	0.33
4.4	0.43	1.20	756.34	0.33
4.5	0.44	1.24	793.31	0.33
4.6	0.45	1.28	831.34	0.33
4.7	0.46	1.33	870.44	0.33
4.8	0.46	1.38	910.62	0.33
4.9	0.47	1.42	951.88	0.33
5.0	0.48	1.47	994.24	0.33
5.1	0.48	1.52	1037.72	0.33
5.2	0.49	1.57	1082.32	0.33
5.3	0.50	1.62	1128.05	0.33
5.4	0.51	1.67	1174.93	0.33
5.5	0.51	1.72	1222.96	0.33
5.6	0.52	1.77	1272.15	0.33
5.7	0.53	1.82	1322.52	0.33
5.8	0.54	1.88	1374.08	0.33
5.9	0.54	1.93	1426.84	0.33
6.0	0.55	1.98	1480.81	0.33
6.1	2	100	20000	0.33

END FTABLE227

FTABLE 229

0.0	0.19	0.00	0.00	0.00
0.1	0.19	0.02	0.54	0.55
0.2	0.20	0.04	1.70	0.55
0.3	0.20	0.06	3.33	0.55
0.4	0.21	0.08	5.38	0.55
0.5	0.21	0.10	7.80	0.55
0.6	0.22	0.12	10.56	0.55
0.7	0.22	0.14	13.66	0.55
0.8	0.22	0.16	17.07	0.55
0.9	0.23	0.19	20.79	0.55
1.0	0.23	0.21	24.80	0.55
1.1	0.24	0.23	29.10	0.55
1.2	0.24	0.26	33.70	0.55
1.3	0.25	0.28	38.57	0.55
1.4	0.25	0.31	43.72	0.55
1.5	0.26	0.33	49.15	0.55
1.6	0.26	0.36	54.85	0.55
1.7	0.27	0.39	60.83	0.55
1.8	0.27	0.41	67.08	0.55
1.9	0.28	0.44	73.60	0.55
2.0	0.28	0.47	80.39	0.55
2.1	0.29	0.50	87.46	0.55
2.2	0.29	0.53	94.80	0.55
2.3	0.29	0.55	102.41	0.55
2.4	0.30	0.58	110.29	0.55
2.5	0.30	0.61	118.45	0.55
2.6	0.31	0.64	126.88	0.55
2.7	0.31	0.68	135.59	0.55
2.8	0.32	0.71	144.58	0.55
2.9	0.32	0.74	153.84	0.55
3.0	0.33	0.77	163.38	0.55
3.1	0.33	0.81	173.21	0.55
3.2	0.34	0.84	183.31	0.55

3.3	0.34	0.87	193.70	0.55
3.4	0.35	0.91	204.38	0.55
3.5	0.35	0.94	215.34	0.55
3.6	0.36	0.98	226.59	0.55
3.7	0.36	1.01	238.13	0.55
3.8	0.37	1.05	249.97	0.55
3.9	0.37	1.09	262.10	0.55
4.0	0.37	1.12	274.52	0.55
4.1	0.38	1.16	287.24	0.55
4.2	0.38	1.20	300.26	0.55
4.3	0.39	1.24	313.58	0.55
4.4	0.39	1.28	327.20	0.55
4.5	0.40	1.32	341.12	0.55
4.6	0.40	1.36	355.36	0.55
4.7	0.41	1.40	369.90	0.55
4.8	0.41	1.44	384.75	0.55
4.9	0.42	1.48	399.91	0.55
5.0	0.42	1.52	415.39	0.55
5.1	0.43	1.56	431.18	0.55
5.2	0.43	1.61	447.29	0.55
5.3	0.44	1.65	463.72	0.55
5.4	0.44	1.69	480.47	0.55
5.5	0.44	1.74	497.55	0.55
5.6	0.45	1.78	514.95	0.55
5.7	0.45	1.83	532.67	0.55
5.8	0.46	1.87	550.73	0.55
5.9	0.46	1.92	569.12	0.55
6.0	0.47	1.97	587.84	0.55
6.1	2	100	20000	0.55

END FTABLE229

FTABLE 233

9 4

0.0	0.01	0.00	0.00
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0.8	0.01	0.01	28.19
1.9	0.01	0.02	121.55
2.9	0.01	0.03	254.06
3.7	0.01	0.04	393.27
4.5	0.01	0.05	563.35
5.2	0.01	0.06	738.68
5.9	0.02	0.07	939.87
6.1	2	100	20000

END FTABLE233

FTABLE 245

62 4

0.0	0.63	0.00	0.00
0.1	0.65	0.06	2.16
0.2	0.66	0.13	6.83
0.3	0.68	0.20	13.41
0.4	0.69	0.26	21.63
0.5	0.71	0.33	31.36
0.6	0.72	0.41	42.49
0.7	0.74	0.48	54.94
0.8	0.76	0.55	68.66
0.9	0.77	0.63	83.61
1.0	0.79	0.71	99.76
1.1	0.80	0.79	117.08
1.2	0.82	0.87	135.55
1.3	0.83	0.95	155.15
1.4	0.85	1.04	175.87
1.5	0.87	1.12	197.71
1.6	0.88	1.21	220.66
1.7	0.90	1.30	244.70
1.8	0.91	1.39	269.84
1.9	0.93	1.48	296.07
2.0	0.94	1.57	323.40
2.1	0.96	1.67	351.82

2.2	0.98	1.77	381.34
2.3	0.99	1.86	411.95
2.4	1.01	1.96	443.67
2.5	1.02	2.07	476.48
2.6	1.04	2.17	510.40
2.7	1.05	2.27	545.43
2.8	1.07	2.38	581.58
2.9	1.09	2.49	618.84
3.0	1.10	2.60	657.23
3.1	1.12	2.71	696.75
3.2	1.13	2.82	737.41
3.3	1.15	2.93	779.20
3.4	1.16	3.05	822.15
3.5	1.18	3.17	866.25
3.6	1.20	3.29	911.51
3.7	1.21	3.41	957.93
3.8	1.23	3.53	1005.54
3.9	1.24	3.65	1054.32
4.0	1.26	3.78	1104.29
4.1	1.27	3.90	1155.46
4.2	1.29	4.03	1207.83
4.3	1.31	4.16	1261.41
4.4	1.32	4.29	1316.21
4.5	1.34	4.43	1372.23
4.6	1.35	4.56	1429.48
4.7	1.37	4.70	1487.97
4.8	1.39	4.83	1547.71
4.9	1.40	4.97	1608.71
5.0	1.42	5.12	1670.97
5.1	1.43	5.26	1734.50
5.2	1.45	5.40	1799.30
5.3	1.46	5.55	1865.39
5.4	1.48	5.69	1932.78

5.5	1.50	5.84	2001.46
5.6	1.51	5.99	2071.46
5.7	1.53	6.15	2142.77
5.8	1.54	6.30	2215.40
5.9	1.56	6.45	2289.37
6.0	1.57	6.61	2364.68
6.1	2	100	20000

END FTABLE245

FTABLE 275

62 4

0.0	0.28	0.00	0.00
0.1	0.29	0.03	2.31
0.2	0.30	0.06	7.31
0.3	0.30	0.09	14.35
0.4	0.31	0.12	23.16
0.5	0.32	0.15	33.57
0.6	0.32	0.18	45.48
0.7	0.33	0.21	58.81
0.8	0.34	0.25	73.50
0.9	0.34	0.28	89.51
1.0	0.35	0.32	106.80
1.1	0.36	0.35	125.34
1.2	0.37	0.39	145.11
1.3	0.37	0.43	166.09
1.4	0.38	0.46	188.28
1.5	0.39	0.50	211.66
1.6	0.39	0.54	236.22
1.7	0.40	0.58	261.96
1.8	0.41	0.62	288.87
1.9	0.42	0.66	316.96
2.0	0.42	0.70	346.22
2.1	0.43	0.75	376.64
2.2	0.44	0.79	408.24

2.3	0.44	0.83	441.01
2.4	0.45	0.88	474.96
2.5	0.46	0.92	510.09
2.6	0.46	0.97	546.41
2.7	0.47	1.02	583.91
2.8	0.48	1.06	622.60
2.9	0.49	1.11	662.50
3.0	0.49	1.16	703.60
3.1	0.50	1.21	745.90
3.2	0.51	1.26	789.43
3.3	0.51	1.31	834.17
3.4	0.52	1.36	880.15
3.5	0.53	1.42	927.36
3.6	0.53	1.47	975.81
3.7	0.54	1.52	1025.51
3.8	0.55	1.58	1076.47
3.9	0.56	1.63	1128.70
4.0	0.56	1.69	1182.19
4.1	0.57	1.75	1236.97
4.2	0.58	1.80	1293.04
4.3	0.58	1.86	1350.39
4.4	0.59	1.92	1409.06
4.5	0.60	1.98	1469.03
4.6	0.61	2.04	1530.32
4.7	0.61	2.10	1592.94
4.8	0.62	2.16	1656.90
4.9	0.63	2.22	1722.20
5.0	0.63	2.29	1788.85
5.1	0.64	2.35	1856.86
5.2	0.65	2.42	1926.23
5.3	0.65	2.48	1996.99
5.4	0.66	2.55	2069.13
5.5	0.67	2.61	2142.66

5.6	0.68	2.68	2217.59
5.7	0.68	2.75	2293.93
5.8	0.69	2.82	2371.69
5.9	0.70	2.89	2450.88
6.0	0.70	2.96	2531.50
6.1	2	100	20000

END FTABLE275

FTABLE 278

62 4

0.0	0.18	0.00	0.00
0.1	0.18	0.02	2.96
0.2	0.19	0.04	9.39
0.3	0.19	0.06	18.42
0.4	0.20	0.08	29.72
0.5	0.20	0.10	43.09
0.6	0.21	0.12	58.37
0.7	0.21	0.14	75.48
0.8	0.22	0.16	94.33
0.9	0.22	0.18	114.88
1.0	0.23	0.20	137.06
1.1	0.23	0.23	160.85
1.2	0.23	0.25	186.23
1.3	0.24	0.27	213.16
1.4	0.24	0.30	241.64
1.5	0.25	0.32	271.64
1.6	0.25	0.35	303.16
1.7	0.26	0.37	336.20
1.8	0.26	0.40	370.74
1.9	0.27	0.42	406.78
2.0	0.27	0.45	444.33
2.1	0.28	0.48	483.37
2.2	0.28	0.51	523.93
2.3	0.28	0.53	565.99

2.4	0.29	0.56	609.56
2.5	0.29	0.59	654.64
2.6	0.30	0.62	701.25
2.7	0.30	0.65	749.38
2.8	0.31	0.68	799.04
2.9	0.31	0.71	850.24
3.0	0.32	0.74	902.98
3.1	0.32	0.78	957.27
3.2	0.32	0.81	1013.13
3.3	0.33	0.84	1070.56
3.4	0.33	0.87	1129.56
3.5	0.34	0.91	1190.15
3.6	0.34	0.94	1252.33
3.7	0.35	0.98	1316.12
3.8	0.35	1.01	1381.52
3.9	0.36	1.05	1448.55
4.0	0.36	1.08	1517.20
4.1	0.37	1.12	1587.50
4.2	0.37	1.16	1659.45
4.3	0.37	1.19	1733.07
4.4	0.38	1.23	1808.35
4.5	0.38	1.27	1885.32
4.6	0.39	1.31	1963.98
4.7	0.39	1.35	2044.35
4.8	0.40	1.39	2126.43
4.9	0.40	1.43	2210.23
5.0	0.41	1.47	2295.77
5.1	0.41	1.51	2383.05
5.2	0.41	1.55	2472.09
5.3	0.42	1.59	2562.89
5.4	0.42	1.63	2655.47
5.5	0.43	1.67	2749.84
5.6	0.43	1.72	2846.00

5.7	0.44	1.76	2943.98
5.8	0.44	1.80	3043.77
5.9	0.45	1.85	3145.40
6.0	0.45	1.89	3248.87
6.1	2	100	20000

END FTABLE278

FTABLE 248

10 4

0.0	0.01	0.00	0.00
0.7	0.01	0.01	51.43
1.7	0.01	0.02	229.08
2.6	0.01	0.03	477.82
3.4	0.01	0.04	769.67
4.1	0.02	0.05	1081.70
4.7	0.02	0.06	1392.99
5.3	0.02	0.07	1746.32
5.9	0.02	0.08	2143.23
6.1	2	100	20000

END FTABLE248

FTABLE 241

62 4

0.0	0.46	0.00	0.00
0.1	0.48	0.05	1.14
0.2	0.49	0.10	3.62
0.3	0.50	0.14	7.11
0.4	0.51	0.19	11.47
0.5	0.52	0.25	16.62
0.6	0.53	0.30	22.52
0.7	0.54	0.35	29.12
0.8	0.56	0.41	36.39
0.9	0.57	0.46	44.31
1.0	0.58	0.52	52.87
1.1	0.59	0.58	62.05

1.2	0.60	0.64	71.84
1.3	0.61	0.70	82.23
1.4	0.63	0.76	93.21
1.5	0.64	0.83	104.79
1.6	0.65	0.89	116.95
1.7	0.66	0.96	129.69
1.8	0.67	1.02	143.01
1.9	0.68	1.09	156.92
2.0	0.70	1.16	171.40
2.1	0.71	1.23	186.47
2.2	0.72	1.30	202.11
2.3	0.73	1.37	218.33
2.4	0.74	1.45	235.14
2.5	0.75	1.52	252.53
2.6	0.77	1.60	270.51
2.7	0.78	1.67	289.08
2.8	0.79	1.75	308.24
2.9	0.80	1.83	327.99
3.0	0.81	1.91	348.33
3.1	0.82	1.99	369.28
3.2	0.83	2.08	390.82
3.3	0.85	2.16	412.98
3.4	0.86	2.25	435.74
3.5	0.87	2.33	459.11
3.6	0.88	2.42	483.10
3.7	0.89	2.51	507.70
3.8	0.90	2.60	532.93
3.9	0.92	2.69	558.79
4.0	0.93	2.78	585.27
4.1	0.94	2.88	612.39
4.2	0.95	2.97	640.15
4.3	0.96	3.07	668.54
4.4	0.97	3.16	697.59

4.5	0.99	3.26	727.28
4.6	1.00	3.36	757.62
4.7	1.01	3.46	788.62
4.8	1.02	3.56	820.29
4.9	1.03	3.66	852.61
5.0	1.04	3.77	885.61
5.1	1.05	3.87	919.28
5.2	1.07	3.98	953.63
5.3	1.08	4.09	988.66
5.4	1.09	4.19	1024.37
5.5	1.10	4.30	1060.77
5.6	1.11	4.41	1097.87
5.7	1.12	4.53	1135.66
5.8	1.14	4.64	1174.16
5.9	1.15	4.75	1213.36
6.0	1.16	4.87	1253.28
6.1	2	100	20000

END FTABLE241

FTABLE 253

62 5

0.0	0.34	0.00	0.00	0.00
0.1	0.35	0.03	1.93	0.66
0.2	0.36	0.07	6.12	0.66
0.3	0.37	0.11	12.02	0.66
0.4	0.38	0.14	19.39	0.66
0.5	0.38	0.18	28.11	0.66
0.6	0.39	0.22	38.08	0.66
0.7	0.40	0.26	49.24	0.66
0.8	0.41	0.30	61.54	0.66
0.9	0.42	0.34	74.94	0.66
1.0	0.43	0.38	89.42	0.66
1.1	0.44	0.43	104.94	0.66
1.2	0.44	0.47	121.49	0.66

1.3	0.45	0.52	139.06	0.66
1.4	0.46	0.56	157.64	0.66
1.5	0.47	0.61	177.21	0.66
1.6	0.48	0.66	197.78	0.66
1.7	0.49	0.70	219.33	0.66
1.8	0.50	0.75	241.86	0.66
1.9	0.50	0.80	265.37	0.66
2.0	0.51	0.85	289.87	0.66
2.1	0.52	0.91	315.34	0.66
2.2	0.53	0.96	341.80	0.66
2.3	0.54	1.01	369.24	0.66
2.4	0.55	1.07	397.66	0.66
2.5	0.55	1.12	427.07	0.66
2.6	0.56	1.18	457.48	0.66
2.7	0.57	1.23	488.88	0.66
2.8	0.58	1.29	521.27	0.66
2.9	0.59	1.35	554.67	0.66
3.0	0.60	1.41	589.08	0.66
3.1	0.61	1.47	624.50	0.66
3.2	0.61	1.53	660.94	0.66
3.3	0.62	1.59	698.41	0.66
3.4	0.63	1.65	736.90	0.66
3.5	0.64	1.72	776.42	0.66
3.6	0.65	1.78	816.99	0.66
3.7	0.66	1.85	858.61	0.66
3.8	0.67	1.91	901.27	0.66
3.9	0.67	1.98	945.00	0.66
4.0	0.68	2.05	989.79	0.66
4.1	0.69	2.12	1035.65	0.66
4.2	0.70	2.19	1082.59	0.66
4.3	0.71	2.26	1130.61	0.66
4.4	0.72	2.33	1179.73	0.66
4.5	0.73	2.40	1229.94	0.66

4.6	0.73	2.47	1281.26	0.66
4.7	0.74	2.55	1333.69	0.66
4.8	0.75	2.62	1387.23	0.66
4.9	0.76	2.70	1441.90	0.66
5.0	0.77	2.77	1497.70	0.66
5.1	0.78	2.85	1554.65	0.66
5.2	0.79	2.93	1612.73	0.66
5.3	0.79	3.01	1671.97	0.66
5.4	0.80	3.09	1732.37	0.66
5.5	0.81	3.17	1793.93	0.66
5.6	0.82	3.25	1856.67	0.66
5.7	0.83	3.33	1920.58	0.66
5.8	0.84	3.42	1985.69	0.66
5.9	0.84	3.50	2051.99	0.66
6.0	0.85	3.58	2119.48	0.66
6.1	2	100	20000	0.66

END FTABLE253

FTABLE 246

62 4

0.0	0.63	0.00	0.00
0.1	0.64	0.06	2.68
0.2	0.66	0.13	8.49
0.3	0.67	0.20	16.66
0.4	0.69	0.26	26.89
0.5	0.71	0.33	38.98
0.6	0.72	0.40	52.81
0.7	0.74	0.48	68.29
0.8	0.75	0.55	85.34
0.9	0.77	0.63	103.93
1.0	0.78	0.71	124.00
1.1	0.80	0.79	145.52
1.2	0.82	0.87	168.48
1.3	0.83	0.95	192.84

1.4	0.85	1.03	218.60
1.5	0.86	1.12	245.75
1.6	0.88	1.21	274.27
1.7	0.89	1.29	304.15
1.8	0.91	1.38	335.40
1.9	0.93	1.48	368.01
2.0	0.94	1.57	401.97
2.1	0.96	1.66	437.30
2.2	0.97	1.76	473.99
2.3	0.99	1.86	512.04
2.4	1.00	1.96	551.46
2.5	1.02	2.06	592.24
2.6	1.04	2.16	634.41
2.7	1.05	2.27	677.95
2.8	1.07	2.37	722.88
2.9	1.08	2.48	769.19
3.0	1.10	2.59	816.91
3.1	1.11	2.70	866.03
3.2	1.13	2.81	916.56
3.3	1.15	2.93	968.52
3.4	1.16	3.04	1021.89
3.5	1.18	3.16	1076.71
3.6	1.19	3.28	1132.96
3.7	1.21	3.40	1190.67
3.8	1.22	3.52	1249.84
3.9	1.24	3.64	1310.47
4.0	1.26	3.77	1372.59
4.1	1.27	3.89	1436.19
4.2	1.29	4.02	1501.28
4.3	1.30	4.15	1567.88
4.4	1.32	4.28	1635.99
4.5	1.33	4.41	1705.62
4.6	1.35	4.55	1776.78

4.7	1.37	4.68	1849.49
4.8	1.38	4.82	1923.74
4.9	1.40	4.96	1999.56
5.0	1.41	5.10	2076.94
5.1	1.43	5.24	2155.90
5.2	1.44	5.39	2236.46
5.3	1.46	5.53	2318.60
5.4	1.48	5.68	2402.36
5.5	1.49	5.83	2487.73
5.6	1.51	5.98	2574.73
5.7	1.52	6.13	2663.37
5.8	1.54	6.28	2753.65
5.9	1.55	6.43	2845.59
6.0	1.57	6.59	2939.20
6.1	2	100	20000

END FTABLE246

*** 8th & Carnahan Pit, 6.24 acres, only evaporation occurs, outflow is updated with 18.13 acre ft storage

FTABLE 216

5	5			
0.0	6.24	0.00	0.00	0.00
0.1	6.24	0.02	0.00	0.11
6.0	6.24	18.13	0.00	0.11
6.1	6.24	20.00	1106.86	0.11
6.2	6.24	50	20000	0.11

END FTABLE216

FTABLE 322

62	5			
0.0	0.19	0.00	0.00	0.00
0.1	0.20	0.02	1.51	1.43
0.2	0.20	0.04	4.78	1.43
0.3	0.21	0.06	9.37	1.43

0.4	0.21	0.08	15.12	1.43
0.5	0.22	0.10	21.92	1.43
0.6	0.22	0.13	29.70	1.43
0.7	0.23	0.15	38.41	1.43
0.8	0.23	0.17	48.00	1.43
0.9	0.24	0.19	58.45	1.43
1.0	0.24	0.22	69.74	1.43
1.1	0.25	0.24	81.85	1.43
1.2	0.25	0.27	94.76	1.43
1.3	0.26	0.29	108.47	1.43
1.4	0.26	0.32	122.96	1.43
1.5	0.27	0.35	138.22	1.43
1.6	0.27	0.37	154.26	1.43
1.7	0.28	0.40	171.07	1.43
1.8	0.28	0.43	188.65	1.43
1.9	0.29	0.46	206.99	1.43
2.0	0.29	0.49	226.10	1.43
2.1	0.30	0.52	245.97	1.43
2.2	0.30	0.55	266.60	1.43
2.3	0.31	0.58	288.00	1.43
2.4	0.31	0.61	310.17	1.43
2.5	0.32	0.64	333.12	1.43
2.6	0.32	0.67	356.83	1.43
2.7	0.33	0.70	381.32	1.43
2.8	0.33	0.74	406.59	1.43
2.9	0.34	0.77	432.64	1.43
3.0	0.34	0.80	459.48	1.43
3.1	0.35	0.84	487.11	1.43
3.2	0.35	0.87	515.53	1.43
3.3	0.36	0.91	544.75	1.43
3.4	0.36	0.94	574.78	1.43
3.5	0.36	0.98	605.61	1.43
3.6	0.37	1.02	637.25	1.43

3.7	0.37	1.05	669.71	1.43
3.8	0.38	1.09	702.99	1.43
3.9	0.38	1.13	737.09	1.43
4.0	0.39	1.17	772.03	1.43
4.1	0.39	1.21	807.80	1.43
4.2	0.40	1.25	844.41	1.43
4.3	0.40	1.29	881.87	1.43
4.4	0.41	1.33	920.18	1.43
4.5	0.41	1.37	959.35	1.43
4.6	0.42	1.41	999.37	1.43
4.7	0.42	1.45	1040.27	1.43
4.8	0.43	1.49	1082.03	1.43
4.9	0.43	1.54	1124.68	1.43
5.0	0.44	1.58	1168.20	1.43
5.1	0.44	1.62	1212.61	1.43
5.2	0.45	1.67	1257.92	1.43
5.3	0.45	1.71	1304.13	1.43
5.4	0.46	1.76	1351.24	1.43
5.5	0.46	1.81	1399.26	1.43
5.6	0.47	1.85	1448.19	1.43
5.7	0.47	1.90	1498.04	1.43
5.8	0.48	1.95	1548.83	1.43
5.9	0.48	1.99	1600.54	1.43
6.0	0.49	2.04	1653.19	1.43
6.1	2	100	20000	1.43

END FTABLE322

FTABLE 272

62 4

0.0	0.36	0.00	0.00
0.1	0.37	0.04	1.96
0.2	0.37	0.07	6.21
0.3	0.38	0.11	12.18
0.4	0.39	0.15	19.66

0.5	0.40	0.19	28.50
0.6	0.41	0.23	38.61
0.7	0.42	0.27	49.93
0.8	0.43	0.31	62.40
0.9	0.44	0.36	75.98
1.0	0.45	0.40	90.66
1.1	0.45	0.45	106.40
1.2	0.46	0.49	123.18
1.3	0.47	0.54	140.99
1.4	0.48	0.59	159.83
1.5	0.49	0.64	179.67
1.6	0.50	0.69	200.52
1.7	0.51	0.74	222.37
1.8	0.52	0.79	245.22
1.9	0.53	0.84	269.06
2.0	0.54	0.89	293.89
2.1	0.54	0.95	319.72
2.2	0.55	1.00	346.55
2.3	0.56	1.06	374.37
2.4	0.57	1.11	403.19
2.5	0.58	1.17	433.01
2.6	0.59	1.23	463.83
2.7	0.60	1.29	495.67
2.8	0.61	1.35	528.51
2.9	0.62	1.41	562.38
3.0	0.62	1.47	597.26
3.1	0.63	1.53	633.18
3.2	0.64	1.60	670.12
3.3	0.65	1.66	708.11
3.4	0.66	1.73	747.13
3.5	0.67	1.80	787.21
3.6	0.68	1.86	828.34
3.7	0.69	1.93	870.53

3.8	0.70	2.00	913.79
3.9	0.70	2.07	958.12
4.0	0.71	2.14	1003.53
4.1	0.72	2.21	1050.03
4.2	0.73	2.29	1097.62
4.3	0.74	2.36	1146.32
4.4	0.75	2.43	1196.11
4.5	0.76	2.51	1247.02
4.6	0.77	2.59	1299.05
4.7	0.78	2.66	1352.21
4.8	0.78	2.74	1406.50
4.9	0.79	2.82	1461.93
5.0	0.80	2.90	1518.51
5.1	0.81	2.98	1576.24
5.2	0.82	3.06	1635.13
5.3	0.83	3.14	1695.19
5.4	0.84	3.23	1756.43
5.5	0.85	3.31	1818.85
5.6	0.86	3.40	1882.46
5.7	0.87	3.48	1947.26
5.8	0.87	3.57	2013.27
5.9	0.88	3.66	2080.49
6.0	0.89	3.75	2148.92
6.1	2	100	20000

END FTABLE272

FTABLE 270

62 4

0.0	0.17	0.00	0.00
0.1	0.17	0.02	1.23
0.2	0.17	0.03	3.90
0.3	0.18	0.05	7.65
0.4	0.18	0.07	12.35
0.5	0.19	0.09	17.90

0.6	0.19	0.11	24.25
0.7	0.20	0.13	31.36
0.8	0.20	0.15	39.19
0.9	0.20	0.17	47.73
1.0	0.21	0.19	56.95
1.1	0.21	0.21	66.83
1.2	0.22	0.23	77.37
1.3	0.22	0.25	88.56
1.4	0.22	0.27	100.39
1.5	0.23	0.30	112.86
1.6	0.23	0.32	125.96
1.7	0.24	0.34	139.68
1.8	0.24	0.37	154.03
1.9	0.25	0.39	169.01
2.0	0.25	0.42	184.61
2.1	0.25	0.44	200.83
2.2	0.26	0.47	217.68
2.3	0.26	0.49	235.15
2.4	0.27	0.52	253.26
2.5	0.27	0.55	271.99
2.6	0.27	0.57	291.35
2.7	0.28	0.60	311.35
2.8	0.28	0.63	331.98
2.9	0.29	0.66	353.25
3.0	0.29	0.69	375.16
3.1	0.30	0.72	397.72
3.2	0.30	0.75	420.93
3.3	0.30	0.78	444.79
3.4	0.31	0.81	469.30
3.5	0.31	0.84	494.48
3.6	0.32	0.87	520.31
3.7	0.32	0.90	546.81
3.8	0.32	0.93	573.99

3.9	0.33	0.97	601.83
4.0	0.33	1.00	630.36
4.1	0.34	1.03	659.57
4.2	0.34	1.07	689.46
4.3	0.35	1.10	720.04
4.4	0.35	1.14	751.32
4.5	0.35	1.17	783.30
4.6	0.36	1.21	815.99
4.7	0.36	1.24	849.37
4.8	0.37	1.28	883.48
4.9	0.37	1.32	918.29
5.0	0.37	1.35	953.83
5.1	0.38	1.39	990.10
5.2	0.38	1.43	1027.09
5.3	0.39	1.47	1064.82
5.4	0.39	1.51	1103.28
5.5	0.40	1.54	1142.49
5.6	0.40	1.58	1182.44
5.7	0.40	1.62	1223.15
5.8	0.41	1.67	1264.61
5.9	0.41	1.71	1306.83
6.0	0.42	1.75	1349.82
6.1	2	100	20000

END FTABLE270

FTABLE 247

62 4

0.0	0.29	0.00	0.00
0.1	0.29	0.03	3.17
0.2	0.30	0.06	10.06
0.3	0.31	0.09	19.74
0.4	0.31	0.12	31.86
0.5	0.32	0.15	46.18
0.6	0.33	0.18	62.57

0.7	0.34	0.22	80.90
0.8	0.34	0.25	101.11
0.9	0.35	0.29	123.13
1.0	0.36	0.32	146.90
1.1	0.36	0.36	172.41
1.2	0.37	0.39	199.60
1.3	0.38	0.43	228.47
1.4	0.39	0.47	258.99
1.5	0.39	0.51	291.15
1.6	0.40	0.55	324.94
1.7	0.41	0.59	360.34
1.8	0.41	0.63	397.36
1.9	0.42	0.67	436.00
2.0	0.43	0.72	476.24
2.1	0.44	0.76	518.09
2.2	0.44	0.80	561.56
2.3	0.45	0.85	606.64
2.4	0.46	0.89	653.34
2.5	0.46	0.94	701.66
2.6	0.47	0.99	751.61
2.7	0.48	1.03	803.20
2.8	0.49	1.08	856.43
2.9	0.49	1.13	911.30
3.0	0.50	1.18	967.84
3.1	0.51	1.23	1026.03
3.2	0.51	1.28	1085.90
3.3	0.52	1.33	1147.45
3.4	0.53	1.39	1210.69
3.5	0.54	1.44	1275.63
3.6	0.54	1.49	1342.28
3.7	0.55	1.55	1410.65
3.8	0.56	1.60	1480.75
3.9	0.57	1.66	1552.59

4.0	0.57	1.72	1626.18
4.1	0.58	1.77	1701.52
4.2	0.59	1.83	1778.64
4.3	0.59	1.89	1857.54
4.4	0.60	1.95	1938.24
4.5	0.61	2.01	2020.74
4.6	0.62	2.07	2105.05
4.7	0.62	2.13	2191.18
4.8	0.63	2.20	2279.16
4.9	0.64	2.26	2368.98
5.0	0.64	2.32	2460.66
5.1	0.65	2.39	2554.21
5.2	0.66	2.45	2649.64
5.3	0.67	2.52	2746.97
5.4	0.67	2.59	2846.20
5.5	0.68	2.66	2947.35
5.6	0.69	2.72	3050.42
5.7	0.69	2.79	3155.43
5.8	0.70	2.86	3262.39
5.9	0.71	2.93	3371.32
6.0	0.72	3.00	3482.22
6.1	2	100	20000

END FTABLE247

FTABLE 257

62 4

0.0	0.49	0.00	0.00
0.1	0.51	0.05	3.21
0.2	0.52	0.10	10.16
0.3	0.53	0.15	19.95
0.4	0.54	0.21	32.19
0.5	0.55	0.26	46.66
0.6	0.57	0.32	63.21
0.7	0.58	0.38	81.74

0.8	0.59	0.43	102.15
0.9	0.60	0.49	124.40
1.0	0.62	0.55	148.42
1.1	0.63	0.62	174.19
1.2	0.64	0.68	201.66
1.3	0.65	0.74	230.83
1.4	0.67	0.81	261.66
1.5	0.68	0.88	294.15
1.6	0.69	0.95	328.29
1.7	0.70	1.02	364.06
1.8	0.71	1.09	401.46
1.9	0.73	1.16	440.49
2.0	0.74	1.23	481.15
2.1	0.75	1.31	523.43
2.2	0.76	1.38	567.35
2.3	0.78	1.46	612.89
2.4	0.79	1.54	660.08
2.5	0.80	1.62	708.90
2.6	0.81	1.70	759.36
2.7	0.83	1.78	811.48
2.8	0.84	1.86	865.26
2.9	0.85	1.95	920.70
3.0	0.86	2.03	977.81
3.1	0.87	2.12	1036.61
3.2	0.89	2.21	1097.10
3.3	0.90	2.30	1159.28
3.4	0.91	2.39	1223.17
3.5	0.92	2.48	1288.78
3.6	0.94	2.57	1356.12
3.7	0.95	2.67	1425.19
3.8	0.96	2.76	1496.01
3.9	0.97	2.86	1568.59
4.0	0.99	2.96	1642.94

4.1	1.00	3.06	1719.07
4.2	1.01	3.16	1796.98
4.3	1.02	3.26	1876.70
4.4	1.04	3.36	1958.22
4.5	1.05	3.47	2041.57
4.6	1.06	3.57	2126.75
4.7	1.07	3.68	2213.77
4.8	1.08	3.79	2302.66
4.9	1.10	3.89	2393.40
5.0	1.11	4.00	2486.03
5.1	1.12	4.12	2580.54
5.2	1.13	4.23	2676.96
5.3	1.15	4.34	2775.29
5.4	1.16	4.46	2875.54
5.5	1.17	4.57	2977.73
5.6	1.18	4.69	3081.87
5.7	1.20	4.81	3187.96
5.8	1.21	4.93	3296.03
5.9	1.22	5.05	3406.08
6.0	1.23	5.18	3518.12
6.1	2	100	20000

END FTABLE257

FTABLE 259

62 4

0.0	0.17	0.00	0.00
0.1	0.18	0.02	2.90
0.2	0.18	0.04	9.19
0.3	0.19	0.05	18.03
0.4	0.19	0.07	29.10
0.5	0.19	0.09	42.18
0.6	0.20	0.11	57.14
0.7	0.20	0.13	73.89
0.8	0.21	0.15	92.35

0.9	0.21	0.17	112.46
1.0	0.22	0.19	134.17
1.1	0.22	0.22	157.47
1.2	0.22	0.24	182.31
1.3	0.23	0.26	208.67
1.4	0.23	0.28	236.55
1.5	0.24	0.31	265.92
1.6	0.24	0.33	296.78
1.7	0.25	0.36	329.12
1.8	0.25	0.38	362.93
1.9	0.25	0.41	398.21
2.0	0.26	0.43	434.97
2.1	0.26	0.46	473.20
2.2	0.27	0.48	512.90
2.3	0.27	0.51	554.07
2.4	0.28	0.54	596.72
2.5	0.28	0.57	640.86
2.6	0.29	0.60	686.48
2.7	0.29	0.62	733.60
2.8	0.29	0.65	782.21
2.9	0.30	0.68	832.33
3.0	0.30	0.71	883.97
3.1	0.31	0.74	937.12
3.2	0.31	0.77	991.80
3.3	0.32	0.81	1048.02
3.4	0.32	0.84	1105.78
3.5	0.32	0.87	1165.09
3.6	0.33	0.90	1225.96
3.7	0.33	0.93	1288.41
3.8	0.34	0.97	1352.43
3.9	0.34	1.00	1418.05
4.0	0.35	1.04	1485.26
4.1	0.35	1.07	1554.08

4.2	0.35	1.11	1624.51
4.3	0.36	1.14	1696.58
4.4	0.36	1.18	1770.28
4.5	0.37	1.21	1845.63
4.6	0.37	1.25	1922.63
4.7	0.38	1.29	2001.30
4.8	0.38	1.33	2081.66
4.9	0.38	1.36	2163.69
5.0	0.39	1.40	2247.43
5.1	0.39	1.44	2332.87
5.2	0.40	1.48	2420.04
5.3	0.40	1.52	2508.93
5.4	0.41	1.56	2599.56
5.5	0.41	1.60	2691.94
5.6	0.41	1.64	2786.08
5.7	0.42	1.69	2881.99
5.8	0.42	1.73	2979.69
5.9	0.43	1.77	3079.17
6.0	0.43	1.81	3180.46
6.1	2	100	20000

END FTABLE259

FTABLE 261

62 4

0.0	0.45	0.00	0.00
0.1	0.47	0.05	1.71
0.2	0.48	0.09	5.42
0.3	0.49	0.14	10.64
0.4	0.50	0.19	17.16
0.5	0.51	0.24	24.88
0.6	0.52	0.29	33.70
0.7	0.53	0.35	43.58
0.8	0.54	0.40	54.46
0.9	0.56	0.45	66.32

1.0	0.57	0.51	79.13
1.1	0.58	0.57	92.87
1.2	0.59	0.63	107.52
1.3	0.60	0.69	123.07
1.4	0.61	0.75	139.51
1.5	0.62	0.81	156.83
1.6	0.64	0.87	175.03
1.7	0.65	0.94	194.10
1.8	0.66	1.00	214.04
1.9	0.67	1.07	234.85
2.0	0.68	1.13	256.53
2.1	0.69	1.20	279.08
2.2	0.70	1.27	302.49
2.3	0.72	1.34	326.77
2.4	0.73	1.42	351.93
2.5	0.74	1.49	377.96
2.6	0.75	1.56	404.87
2.7	0.76	1.64	432.65
2.8	0.77	1.72	461.32
2.9	0.78	1.79	490.88
3.0	0.79	1.87	521.33
3.1	0.81	1.95	552.68
3.2	0.82	2.03	584.93
3.3	0.83	2.12	618.09
3.4	0.84	2.20	652.15
3.5	0.85	2.28	687.13
3.6	0.86	2.37	723.03
3.7	0.87	2.46	759.86
3.8	0.89	2.54	797.62
3.9	0.90	2.63	836.32
4.0	0.91	2.72	875.96
4.1	0.92	2.82	916.54
4.2	0.93	2.91	958.09

4.3	0.94	3.00	1000.59
4.4	0.95	3.10	1044.05
4.5	0.96	3.19	1088.49
4.6	0.98	3.29	1133.91
4.7	0.99	3.39	1180.31
4.8	1.00	3.49	1227.69
4.9	1.01	3.59	1276.08
5.0	1.02	3.69	1325.46
5.1	1.03	3.79	1375.85
5.2	1.04	3.90	1427.26
5.3	1.06	4.00	1479.69
5.4	1.07	4.11	1533.14
5.5	1.08	4.21	1587.62
5.6	1.09	4.32	1643.14
5.7	1.10	4.43	1699.71
5.8	1.11	4.54	1757.32
5.9	1.12	4.65	1816.00
6.0	1.13	4.77	1875.73
6.1	2	100	20000

END FTABLE261

FTABLE 260

62 4

0.0	0.22	0.00	0.00
0.1	0.23	0.02	2.52
0.2	0.23	0.05	8.00
0.3	0.24	0.07	15.70
0.4	0.24	0.09	25.33
0.5	0.25	0.12	36.72
0.6	0.25	0.14	49.74
0.7	0.26	0.17	64.32
0.8	0.27	0.19	80.39
0.9	0.27	0.22	97.89
1.0	0.28	0.25	116.80

1.1	0.28	0.28	137.07
1.2	0.29	0.31	158.70
1.3	0.29	0.33	181.65
1.4	0.30	0.36	205.91
1.5	0.30	0.39	231.48
1.6	0.31	0.42	258.34
1.7	0.32	0.46	286.49
1.8	0.32	0.49	315.93
1.9	0.33	0.52	346.64
2.0	0.33	0.55	378.64
2.1	0.34	0.59	411.92
2.2	0.34	0.62	446.47
2.3	0.35	0.65	482.32
2.4	0.35	0.69	519.45
2.5	0.36	0.73	557.87
2.6	0.36	0.76	597.58
2.7	0.37	0.80	638.59
2.8	0.38	0.84	680.91
2.9	0.38	0.87	724.54
3.0	0.39	0.91	769.49
3.1	0.39	0.95	815.76
3.2	0.40	0.99	863.36
3.3	0.40	1.03	912.29
3.4	0.41	1.07	962.57
3.5	0.41	1.11	1014.21
3.6	0.42	1.15	1067.20
3.7	0.43	1.20	1121.56
3.8	0.43	1.24	1177.29
3.9	0.44	1.28	1234.40
4.0	0.44	1.33	1292.91
4.1	0.45	1.37	1352.82
4.2	0.45	1.42	1414.13
4.3	0.46	1.46	1476.86

4.4	0.46	1.51	1541.02
4.5	0.47	1.55	1606.61
4.6	0.48	1.60	1673.64
4.7	0.48	1.65	1742.13
4.8	0.49	1.70	1812.07
4.9	0.49	1.75	1883.49
5.0	0.50	1.80	1956.38
5.1	0.50	1.85	2030.76
5.2	0.51	1.90	2106.63
5.3	0.51	1.95	2184.01
5.4	0.52	2.00	2262.91
5.5	0.52	2.05	2343.32
5.6	0.53	2.10	2425.27
5.7	0.54	2.16	2508.77
5.8	0.54	2.21	2593.81
5.9	0.55	2.27	2680.41
6.0	0.55	2.32	2768.58
6.1	2	100	20000

END FTABLE260

FTABLE 254

62 4

0.0	0.39	0.00	0.00
0.1	0.40	0.04	2.01
0.2	0.41	0.08	6.37
0.3	0.42	0.12	12.51
0.4	0.43	0.16	20.19
0.5	0.44	0.21	29.26
0.6	0.45	0.25	39.65
0.7	0.46	0.30	51.27
0.8	0.47	0.34	64.07
0.9	0.48	0.39	78.02
1.0	0.48	0.44	93.09
1.1	0.49	0.49	109.25

1.2	0.50	0.54	126.49
1.3	0.51	0.59	144.78
1.4	0.52	0.64	164.12
1.5	0.53	0.69	184.50
1.6	0.54	0.74	205.91
1.7	0.55	0.80	228.34
1.8	0.56	0.86	251.80
1.9	0.57	0.91	276.28
2.0	0.58	0.97	301.78
2.1	0.59	1.03	328.31
2.2	0.60	1.09	355.85
2.3	0.61	1.15	384.42
2.4	0.62	1.21	414.01
2.5	0.63	1.27	444.63
2.6	0.64	1.34	476.29
2.7	0.65	1.40	508.97
2.8	0.66	1.47	542.70
2.9	0.67	1.53	577.48
3.0	0.68	1.60	613.30
3.1	0.69	1.67	650.18
3.2	0.70	1.74	688.12
3.3	0.71	1.81	727.12
3.4	0.72	1.88	767.19
3.5	0.73	1.95	808.35
3.6	0.74	2.02	850.58
3.7	0.75	2.10	893.91
3.8	0.76	2.17	938.33
3.9	0.77	2.25	983.85
4.0	0.78	2.33	1030.48
4.1	0.79	2.41	1078.23
4.2	0.80	2.48	1127.10
4.3	0.80	2.56	1177.09
4.4	0.81	2.65	1228.23

4.5	0.82	2.73	1280.51
4.6	0.83	2.81	1333.93
4.7	0.84	2.89	1388.52
4.8	0.85	2.98	1444.26
4.9	0.86	3.06	1501.18
5.0	0.87	3.15	1559.28
5.1	0.88	3.24	1618.56
5.2	0.89	3.33	1679.04
5.3	0.90	3.42	1740.71
5.4	0.91	3.51	1803.59
5.5	0.92	3.60	1867.68
5.6	0.93	3.69	1933.00
5.7	0.94	3.79	1999.54
5.8	0.95	3.88	2067.32
5.9	0.96	3.98	2136.35
6.0	0.97	4.07	2206.62
6.1	2	100	20000

END FTABLE254

FTABLE 250

62 5

0.0	0.44	0.00	0.00	0.22
0.1	0.45	0.04	2.48	0.22
0.2	0.47	0.09	7.87	0.22
0.3	0.48	0.14	15.44	0.22
0.4	0.49	0.19	24.91	0.22
0.5	0.50	0.24	36.11	0.22
0.6	0.51	0.29	48.92	0.22
0.7	0.52	0.34	63.26	0.22
0.8	0.53	0.39	79.06	0.22
0.9	0.54	0.44	96.27	0.22
1.0	0.55	0.50	114.87	0.22
1.1	0.57	0.55	134.81	0.22
1.2	0.58	0.61	156.07	0.22

1.3	0.59	0.67	178.65	0.22
1.4	0.60	0.73	202.51	0.22
1.5	0.61	0.79	227.66	0.22
1.6	0.62	0.85	254.07	0.22
1.7	0.63	0.91	281.76	0.22
1.8	0.64	0.98	310.71	0.22
1.9	0.65	1.04	340.91	0.22
2.0	0.66	1.11	372.38	0.22
2.1	0.68	1.18	405.11	0.22
2.2	0.69	1.24	439.09	0.22
2.3	0.70	1.31	474.34	0.22
2.4	0.71	1.38	510.86	0.22
2.5	0.72	1.45	548.64	0.22
2.6	0.73	1.53	587.70	0.22
2.7	0.74	1.60	628.04	0.22
2.8	0.75	1.68	669.66	0.22
2.9	0.76	1.75	712.57	0.22
3.0	0.78	1.83	756.77	0.22
3.1	0.79	1.91	802.27	0.22
3.2	0.80	1.99	849.09	0.22
3.3	0.81	2.07	897.21	0.22
3.4	0.82	2.15	946.66	0.22
3.5	0.83	2.23	997.44	0.22
3.6	0.84	2.31	1049.56	0.22
3.7	0.85	2.40	1103.02	0.22
3.8	0.86	2.48	1157.83	0.22
3.9	0.88	2.57	1214.00	0.22
4.0	0.89	2.66	1271.54	0.22
4.1	0.90	2.75	1330.46	0.22
4.2	0.91	2.84	1390.76	0.22
4.3	0.92	2.93	1452.45	0.22
4.4	0.93	3.02	1515.55	0.22
4.5	0.94	3.12	1580.05	0.22

4.6	0.95	3.21	1645.98	0.22
4.7	0.96	3.31	1713.33	0.22
4.8	0.98	3.40	1782.12	0.22
4.9	0.99	3.50	1852.35	0.22
5.0	1.00	3.60	1924.04	0.22
5.1	1.01	3.70	1997.19	0.22
5.2	1.02	3.80	2071.81	0.22
5.3	1.03	3.91	2147.91	0.22
5.4	1.04	4.01	2225.50	0.22
5.5	1.05	4.11	2304.59	0.22
5.6	1.06	4.22	2385.18	0.22
5.7	1.07	4.33	2467.30	0.22
5.8	1.09	4.43	2550.93	0.22
5.9	1.10	4.54	2636.10	0.22
6.0	1.11	4.65	2722.81	0.22
6.1	2	100	20000	0.22

END FTABLE250

FTABLE 266

29 4

0.0	0.03	0.00	0.00
0.2	0.03	0.01	0.16
0.6	0.03	0.02	1.01
0.9	0.03	0.03	1.98
1.2	0.03	0.04	3.21
1.5	0.04	0.05	4.69
1.8	0.04	0.06	6.40
2.1	0.04	0.07	8.34
2.3	0.04	0.08	9.76
2.5	0.04	0.09	11.29
2.8	0.04	0.10	13.78
3.0	0.05	0.11	15.58
3.2	0.05	0.12	17.48
3.4	0.05	0.13	19.49

3.6	0.05	0.14	21.60
3.8	0.05	0.15	23.83
4.0	0.05	0.16	26.17
4.2	0.05	0.17	28.63
4.4	0.05	0.18	31.20
4.6	0.06	0.19	33.88
4.8	0.06	0.20	36.68
4.9	0.06	0.21	38.13
5.1	0.06	0.22	41.11
5.3	0.06	0.23	44.21
5.5	0.06	0.24	47.44
5.6	0.06	0.25	49.10
5.8	0.06	0.26	52.51
5.9	0.06	0.27	54.26
6.1	2	100	20000

END FTABLE266

FTABLE 256

59 4

0.0	0.07	0.00	0.00
0.1	0.07	0.01	1.00
0.3	0.07	0.02	6.19
0.4	0.07	0.03	10.00
0.5	0.08	0.04	14.49
0.7	0.08	0.05	25.38
0.8	0.08	0.06	31.72
0.9	0.08	0.07	38.63
1.0	0.08	0.08	46.09
1.2	0.09	0.09	62.63
1.3	0.09	0.10	71.69
1.4	0.09	0.11	81.26
1.5	0.09	0.12	91.35
1.6	0.09	0.13	101.95
1.7	0.10	0.14	113.06

1.8	0.10	0.15	124.68
1.9	0.10	0.16	136.80
2.0	0.10	0.17	149.43
2.1	0.10	0.18	162.56
2.2	0.10	0.19	176.20
2.3	0.11	0.20	190.34
2.4	0.11	0.21	204.99
2.5	0.11	0.22	220.15
2.6	0.11	0.23	235.83
2.7	0.11	0.24	252.01
2.8	0.11	0.25	268.71
2.9	0.12	0.26	285.93
3.0	0.12	0.28	303.67
3.1	0.12	0.29	321.93
3.2	0.12	0.30	340.71
3.3	0.12	0.31	360.02
3.4	0.12	0.32	379.87
3.5	0.13	0.34	400.24
3.6	0.13	0.35	421.15
3.7	0.13	0.36	442.61
3.8	0.13	0.38	464.60
3.9	0.13	0.39	487.14
4.0	0.13	0.40	510.23
4.1	0.14	0.42	533.87
4.2	0.14	0.43	558.07
4.3	0.14	0.44	582.82
4.4	0.14	0.46	608.14
4.5	0.14	0.47	634.03
4.6	0.14	0.48	660.48
4.7	0.15	0.50	687.51
4.8	0.15	0.51	715.11
4.9	0.15	0.53	743.29
5.0	0.15	0.54	772.06

5.1	0.15	0.56	801.41
5.2	0.15	0.57	831.35
5.3	0.16	0.59	861.89
5.4	0.16	0.61	893.03
5.5	0.16	0.62	924.76
5.6	0.16	0.64	957.10
5.7	0.16	0.65	990.05
5.8	0.16	0.67	1023.61
5.9	0.17	0.69	1057.79
6.0	0.17	0.70	1092.58
6.1	2	100	20000

END FTABLE256

FTABLE 252

62 5

0.0	0.09	0.00	0.00	0.88
0.1	0.09	0.01	0.87	0.88
0.2	0.09	0.02	2.76	0.88
0.3	0.10	0.03	5.41	0.88
0.4	0.10	0.04	8.73	0.88
0.5	0.10	0.05	12.66	0.88
0.6	0.10	0.06	17.15	0.88
0.7	0.11	0.07	22.17	0.88
0.8	0.11	0.08	27.71	0.88
0.9	0.11	0.09	33.75	0.88
1.0	0.11	0.10	40.27	0.88
1.1	0.11	0.11	47.26	0.88
1.2	0.12	0.12	54.71	0.88
1.3	0.12	0.14	62.62	0.88
1.4	0.12	0.15	70.99	0.88
1.5	0.12	0.16	79.80	0.88
1.6	0.13	0.17	89.06	0.88
1.7	0.13	0.19	98.77	0.88
1.8	0.13	0.20	108.92	0.88

1.9	0.13	0.21	119.51	0.88
2.0	0.13	0.22	130.54	0.88
2.1	0.14	0.24	142.01	0.88
2.2	0.14	0.25	153.92	0.88
2.3	0.14	0.27	166.28	0.88
2.4	0.14	0.28	179.08	0.88
2.5	0.15	0.30	192.32	0.88
2.6	0.15	0.31	206.02	0.88
2.7	0.15	0.32	220.16	0.88
2.8	0.15	0.34	234.74	0.88
2.9	0.16	0.36	249.79	0.88
3.0	0.16	0.37	265.28	0.88
3.1	0.16	0.39	281.23	0.88
3.2	0.16	0.40	297.64	0.88
3.3	0.16	0.42	314.51	0.88
3.4	0.17	0.44	331.85	0.88
3.5	0.17	0.45	349.65	0.88
3.6	0.17	0.47	367.92	0.88
3.7	0.17	0.49	386.66	0.88
3.8	0.18	0.50	405.87	0.88
3.9	0.18	0.52	425.56	0.88
4.0	0.18	0.54	445.73	0.88
4.1	0.18	0.56	466.38	0.88
4.2	0.18	0.58	487.52	0.88
4.3	0.19	0.59	509.15	0.88
4.4	0.19	0.61	531.27	0.88
4.5	0.19	0.63	553.88	0.88
4.6	0.19	0.65	576.99	0.88
4.7	0.20	0.67	600.60	0.88
4.8	0.20	0.69	624.71	0.88
4.9	0.20	0.71	649.33	0.88
5.0	0.20	0.73	674.46	0.88
5.1	0.20	0.75	700.10	0.88

5.2	0.21	0.77	726.26	0.88
5.3	0.21	0.79	752.94	0.88
5.4	0.21	0.81	780.14	0.88
5.5	0.21	0.83	807.86	0.88
5.6	0.22	0.86	836.11	0.88
5.7	0.22	0.88	864.90	0.88
5.8	0.22	0.90	894.21	0.88
5.9	0.22	0.92	924.07	0.88
6.0	0.22	0.94	954.47	0.88
6.1	2	100	20000	0.88

END FTABLE252

FTABLE 267

56 4

0.0	0.06	0.00	0.00
0.1	0.06	0.01	0.60
0.3	0.06	0.02	3.76
0.5	0.06	0.03	8.80
0.6	0.07	0.04	11.92
0.8	0.07	0.05	19.26
0.9	0.07	0.06	23.45
1.1	0.07	0.07	32.83
1.2	0.07	0.08	38.01
1.3	0.08	0.09	43.51
1.5	0.08	0.10	55.45
1.6	0.08	0.11	61.88
1.7	0.08	0.12	68.63
1.8	0.08	0.13	75.68
2.0	0.09	0.14	90.70
2.1	0.09	0.15	98.67
2.2	0.09	0.16	106.95
2.3	0.09	0.17	115.53
2.4	0.09	0.18	124.43
2.5	0.09	0.19	133.63

2.6	0.09	0.20	143.14
2.7	0.10	0.21	152.97
2.8	0.10	0.22	163.10
2.9	0.10	0.23	173.55
3.0	0.10	0.24	184.32
3.1	0.10	0.25	195.40
3.2	0.10	0.26	206.80
3.3	0.10	0.27	218.53
3.4	0.11	0.28	230.57
3.5	0.11	0.29	242.94
3.6	0.11	0.30	255.63
3.7	0.11	0.31	268.65
3.8	0.11	0.32	282.00
3.9	0.11	0.33	295.68
4.0	0.11	0.34	309.70
4.1	0.12	0.35	324.05
4.2	0.12	0.37	338.73
4.3	0.12	0.38	353.76
4.4	0.12	0.39	369.13
4.5	0.12	0.40	384.84
4.6	0.12	0.41	400.90
4.7	0.12	0.43	417.30
4.8	0.13	0.44	434.06
4.9	0.13	0.45	451.16
5.0	0.13	0.46	468.62
5.1	0.13	0.48	486.44
5.2	0.13	0.49	504.61
5.3	0.13	0.50	523.15
5.4	0.13	0.52	542.05
5.5	0.14	0.53	561.31
5.6	0.14	0.54	580.94
5.7	0.14	0.56	600.94
5.8	0.14	0.57	621.31

5.9	0.14	0.59	642.05
6.0	0.14	0.60	663.17
6.1	2	100	20000

END FTABLE267

FTABLE 237

62 4

0.0	0.17	0.00	0.00
0.1	0.18	0.02	0.94
0.2	0.18	0.04	2.99
0.3	0.18	0.05	5.86
0.4	0.19	0.07	9.46
0.5	0.19	0.09	13.71
0.6	0.20	0.11	18.57
0.7	0.20	0.13	24.01
0.8	0.21	0.15	30.01
0.9	0.21	0.17	36.54
1.0	0.21	0.19	43.60
1.1	0.22	0.21	51.17
1.2	0.22	0.24	59.24
1.3	0.23	0.26	67.81
1.4	0.23	0.28	76.87
1.5	0.24	0.31	86.41
1.6	0.24	0.33	96.44
1.7	0.24	0.35	106.95
1.8	0.25	0.38	117.93
1.9	0.25	0.40	129.40
2.0	0.26	0.43	141.34
2.1	0.26	0.45	153.76
2.2	0.27	0.48	166.66
2.3	0.27	0.51	180.04
2.4	0.27	0.54	193.90
2.5	0.28	0.56	208.24
2.6	0.28	0.59	223.07

2.7	0.29	0.62	238.38
2.8	0.29	0.65	254.18
2.9	0.30	0.68	270.46
3.0	0.30	0.71	287.24
3.1	0.30	0.74	304.51
3.2	0.31	0.77	322.28
3.3	0.31	0.80	340.55
3.4	0.32	0.83	359.32
3.5	0.32	0.86	378.59
3.6	0.33	0.90	398.37
3.7	0.33	0.93	418.66
3.8	0.33	0.96	439.47
3.9	0.34	1.00	460.79
4.0	0.34	1.03	482.63
4.1	0.35	1.06	504.99
4.2	0.35	1.10	527.88
4.3	0.36	1.13	551.30
4.4	0.36	1.17	575.25
4.5	0.36	1.21	599.73
4.6	0.37	1.24	624.75
4.7	0.37	1.28	650.32
4.8	0.38	1.32	676.43
4.9	0.38	1.36	703.08
5.0	0.39	1.39	730.29
5.1	0.39	1.43	758.06
5.2	0.39	1.47	786.38
5.3	0.40	1.51	815.27
5.4	0.40	1.55	844.72
5.5	0.41	1.59	874.74
5.6	0.41	1.63	905.33
5.7	0.42	1.68	936.49
5.8	0.42	1.72	968.24
5.9	0.42	1.76	1000.57

6.0 0.43 1.80 1033.48

6.1 2 100 20000

END FTABLE237

FTABLE 239

62 5

0.0	0.15	0.00	0.00	1.76
0.1	0.15	0.01	2.40	1.76
0.2	0.15	0.03	7.61	1.76
0.3	0.16	0.05	14.94	1.76
0.4	0.16	0.06	24.11	1.76
0.5	0.16	0.08	34.94	1.76
0.6	0.17	0.09	47.34	1.76
0.7	0.17	0.11	61.21	1.76
0.8	0.18	0.13	76.51	1.76
0.9	0.18	0.15	93.16	1.76
1.0	0.18	0.16	111.16	1.76
1.1	0.19	0.18	130.45	1.76
1.2	0.19	0.20	151.03	1.76
1.3	0.19	0.22	172.88	1.76
1.4	0.20	0.24	195.97	1.76
1.5	0.20	0.26	220.30	1.76
1.6	0.20	0.28	245.87	1.76
1.7	0.21	0.30	272.66	1.76
1.8	0.21	0.32	300.67	1.76
1.9	0.22	0.34	329.90	1.76
2.0	0.22	0.36	360.35	1.76
2.1	0.22	0.39	392.02	1.76
2.2	0.23	0.41	424.91	1.76
2.3	0.23	0.43	459.02	1.76
2.4	0.23	0.46	494.36	1.76
2.5	0.24	0.48	530.92	1.76
2.6	0.24	0.50	568.72	1.76
2.7	0.24	0.53	607.75	1.76

2.8	0.25	0.55	648.03	1.76
2.9	0.25	0.58	689.55	1.76
3.0	0.26	0.60	732.33	1.76
3.1	0.26	0.63	776.36	1.76
3.2	0.26	0.65	821.66	1.76
3.3	0.27	0.68	868.23	1.76
3.4	0.27	0.71	916.08	1.76
3.5	0.27	0.73	965.22	1.76
3.6	0.28	0.76	1015.65	1.76
3.7	0.28	0.79	1067.39	1.76
3.8	0.28	0.82	1120.43	1.76
3.9	0.29	0.85	1174.79	1.76
4.0	0.29	0.88	1230.47	1.76
4.1	0.30	0.90	1287.48	1.76
4.2	0.30	0.93	1345.83	1.76
4.3	0.30	0.96	1405.54	1.76
4.4	0.31	0.99	1466.59	1.76
4.5	0.31	1.03	1529.02	1.76
4.6	0.31	1.06	1592.81	1.76
4.7	0.32	1.09	1657.99	1.76
4.8	0.32	1.12	1724.55	1.76
4.9	0.32	1.15	1792.52	1.76
5.0	0.33	1.19	1861.89	1.76
5.1	0.33	1.22	1932.68	1.76
5.2	0.34	1.25	2004.89	1.76
5.3	0.34	1.29	2078.53	1.76
5.4	0.34	1.32	2153.61	1.76
5.5	0.35	1.35	2230.15	1.76
5.6	0.35	1.39	2308.14	1.76
5.7	0.35	1.42	2387.60	1.76
5.8	0.36	1.46	2468.53	1.76
5.9	0.36	1.50	2550.95	1.76
6.0	0.36	1.53	2634.86	1.76

6.1 2 100 20000 1.76

END FTABLE239

FTABLE 269

53 4

0.0	0.05	0.00	0.00
0.1	0.05	0.01	1.69
0.3	0.05	0.02	10.49
0.5	0.06	0.03	24.54
0.7	0.06	0.04	42.99
0.9	0.06	0.05	65.43
1.0	0.06	0.06	78.06
1.2	0.07	0.07	106.07
1.3	0.07	0.08	121.41
1.5	0.07	0.09	154.72
1.6	0.07	0.10	172.67
1.8	0.07	0.11	211.16
1.9	0.08	0.12	231.69
2.0	0.08	0.13	253.07
2.2	0.08	0.14	298.41
2.3	0.08	0.15	322.37
2.4	0.08	0.16	347.18
2.5	0.08	0.17	372.86
2.6	0.08	0.18	399.41
2.8	0.09	0.19	455.10
2.9	0.09	0.20	484.26
3.0	0.09	0.21	514.31
3.1	0.09	0.22	545.23
3.2	0.09	0.23	577.04
3.3	0.09	0.24	609.75
3.4	0.09	0.25	643.36
3.5	0.10	0.26	677.87
3.6	0.10	0.27	713.28
3.7	0.10	0.28	749.62

3.8	0.10	0.29	786.87
3.9	0.10	0.30	825.04
4.0	0.10	0.31	864.15
4.1	0.10	0.32	904.19
4.2	0.10	0.33	945.17
4.3	0.11	0.34	987.09
4.4	0.11	0.35	1029.98
4.5	0.11	0.36	1073.81
4.6	0.11	0.37	1118.62
4.7	0.11	0.38	1164.39
4.8	0.11	0.39	1211.14
4.9	0.11	0.40	1258.87
5.0	0.11	0.41	1307.59
5.1	0.12	0.42	1357.30
5.2	0.12	0.44	1408.01
5.3	0.12	0.45	1459.73
5.4	0.12	0.46	1512.46
5.5	0.12	0.47	1566.21
5.6	0.12	0.48	1620.99
5.7	0.12	0.50	1676.79
5.8	0.12	0.51	1733.63
5.9	0.13	0.52	1791.51
6.0	0.13	0.53	1850.44
6.1	2	100	20000

END FTABLE269

FTABLE 262

62 4

0.0	0.22	0.00	0.00
0.1	0.23	0.02	2.99
0.2	0.24	0.05	9.47
0.3	0.24	0.07	18.58
0.4	0.25	0.09	29.99
0.5	0.25	0.12	43.47

0.6	0.26	0.14	58.89
0.7	0.26	0.17	76.15
0.8	0.27	0.20	95.17
0.9	0.27	0.22	115.90
1.0	0.28	0.25	138.28
1.1	0.29	0.28	162.28
1.2	0.29	0.31	187.88
1.3	0.30	0.34	215.06
1.4	0.30	0.37	243.78
1.5	0.31	0.40	274.05
1.6	0.31	0.43	305.86
1.7	0.32	0.46	339.18
1.8	0.32	0.49	374.03
1.9	0.33	0.53	410.39
2.0	0.34	0.56	448.28
2.1	0.34	0.59	487.67
2.2	0.35	0.63	528.59
2.3	0.35	0.66	571.02
2.4	0.36	0.70	614.98
2.5	0.36	0.74	660.46
2.6	0.37	0.77	707.48
2.7	0.38	0.81	756.04
2.8	0.38	0.85	806.14
2.9	0.39	0.89	857.79
3.0	0.39	0.92	911.01
3.1	0.40	0.96	965.78
3.2	0.40	1.00	1022.14
3.3	0.41	1.04	1080.07
3.4	0.41	1.09	1139.60
3.5	0.42	1.13	1200.73
3.6	0.43	1.17	1263.46
3.7	0.43	1.21	1327.82
3.8	0.44	1.26	1393.80

3.9	0.44	1.30	1461.42
4.0	0.45	1.34	1530.69
4.1	0.45	1.39	1601.61
4.2	0.46	1.44	1674.20
4.3	0.46	1.48	1748.47
4.4	0.47	1.53	1824.43
4.5	0.48	1.58	1902.08
4.6	0.48	1.62	1981.44
4.7	0.49	1.67	2062.52
4.8	0.49	1.72	2145.33
4.9	0.50	1.77	2229.88
5.0	0.50	1.82	2316.17
5.1	0.51	1.87	2404.23
5.2	0.52	1.92	2494.06
5.3	0.52	1.97	2585.67
5.4	0.53	2.03	2679.08
5.5	0.53	2.08	2774.28
5.6	0.54	2.13	2871.30
5.7	0.54	2.19	2970.15
5.8	0.55	2.24	3070.83
5.9	0.55	2.30	3173.36
6.0	0.56	2.35	3277.74
6.1	2	100	20000

END FTABLE262

FTABLE 271

57 4

0.0	0.06	0.00	0.00
0.1	0.06	0.01	0.05
0.3	0.06	0.02	0.32
0.4	0.07	0.03	0.51
0.6	0.07	0.04	1.01
0.7	0.07	0.05	1.30
0.9	0.07	0.06	1.98

1.0	0.07	0.07	2.36
1.2	0.08	0.08	3.21
1.3	0.08	0.09	3.68
1.4	0.08	0.10	4.17
1.5	0.08	0.11	4.69
1.7	0.09	0.12	5.80
1.8	0.09	0.13	6.40
1.9	0.09	0.14	7.02
2.0	0.09	0.15	7.67
2.1	0.09	0.16	8.34
2.2	0.09	0.17	9.04
2.3	0.09	0.18	9.76
2.4	0.10	0.19	10.52
2.5	0.10	0.20	11.29
2.6	0.10	0.21	12.10
2.7	0.10	0.22	12.93
2.8	0.10	0.23	13.78
2.9	0.10	0.24	14.67
3.0	0.10	0.25	15.58
3.1	0.11	0.26	16.51
3.2	0.11	0.27	17.48
3.3	0.11	0.28	18.47
3.4	0.11	0.29	19.49
3.5	0.11	0.30	20.53
3.6	0.11	0.31	21.60
3.7	0.12	0.32	22.71
3.8	0.12	0.34	23.83
3.9	0.12	0.35	24.99
4.0	0.12	0.36	26.17
4.1	0.12	0.37	27.39
4.2	0.12	0.38	28.63
4.3	0.12	0.40	29.90
4.4	0.13	0.41	31.20

4.5	0.13	0.42	32.52
4.6	0.13	0.43	33.88
4.7	0.13	0.45	35.27
4.8	0.13	0.46	36.68
4.9	0.13	0.47	38.13
5.0	0.13	0.49	39.61
5.1	0.14	0.50	41.11
5.2	0.14	0.51	42.65
5.3	0.14	0.53	44.21
5.4	0.14	0.54	45.81
5.5	0.14	0.56	47.44
5.6	0.14	0.57	49.10
5.7	0.15	0.58	50.79
5.8	0.15	0.60	52.51
5.9	0.15	0.61	54.26
6.0	0.15	0.63	56.05
6.1	2	100	20000

END FTABLE271

FTABLE 230

62 5

0.0	0.31	0.00	0.00	0.55
0.1	0.32	0.03	1.28	0.55
0.2	0.33	0.06	4.06	0.55
0.3	0.33	0.10	7.98	0.55
0.4	0.34	0.13	12.87	0.55
0.5	0.35	0.16	18.66	0.55
0.6	0.36	0.20	25.28	0.55
0.7	0.36	0.24	32.68	0.55
0.8	0.37	0.27	40.85	0.55
0.9	0.38	0.31	49.74	0.55
1.0	0.39	0.35	59.35	0.55
1.1	0.40	0.39	69.65	0.55
1.2	0.40	0.43	80.64	0.55

1.3	0.41	0.47	92.30	0.55
1.4	0.42	0.51	104.63	0.55
1.5	0.43	0.55	117.62	0.55
1.6	0.43	0.60	131.27	0.55
1.7	0.44	0.64	145.58	0.55
1.8	0.45	0.68	160.53	0.55
1.9	0.46	0.73	176.14	0.55
2.0	0.47	0.78	192.40	0.55
2.1	0.47	0.82	209.31	0.55
2.2	0.48	0.87	226.87	0.55
2.3	0.49	0.92	245.08	0.55
2.4	0.50	0.97	263.95	0.55
2.5	0.50	1.02	283.47	0.55
2.6	0.51	1.07	303.65	0.55
2.7	0.52	1.12	324.49	0.55
2.8	0.53	1.17	345.99	0.55
2.9	0.54	1.23	368.16	0.55
3.0	0.54	1.28	391.00	0.55
3.1	0.55	1.33	414.51	0.55
3.2	0.56	1.39	438.70	0.55
3.3	0.57	1.45	463.56	0.55
3.4	0.57	1.50	489.11	0.55
3.5	0.58	1.56	515.35	0.55
3.6	0.59	1.62	542.28	0.55
3.7	0.60	1.68	569.90	0.55
3.8	0.60	1.74	598.22	0.55
3.9	0.61	1.80	627.24	0.55
4.0	0.62	1.86	656.97	0.55
4.1	0.63	1.92	687.41	0.55
4.2	0.64	1.99	718.56	0.55
4.3	0.64	2.05	750.44	0.55
4.4	0.65	2.12	783.04	0.55
4.5	0.66	2.18	816.37	0.55

4.6	0.67	2.25	850.43	0.55
4.7	0.67	2.31	885.23	0.55
4.8	0.68	2.38	920.77	0.55
4.9	0.69	2.45	957.06	0.55
5.0	0.70	2.52	994.10	0.55
5.1	0.71	2.59	1031.89	0.55
5.2	0.71	2.66	1070.44	0.55
5.3	0.72	2.73	1109.76	0.55
5.4	0.73	2.81	1149.85	0.55
5.5	0.74	2.88	1190.72	0.55
5.6	0.74	2.95	1232.36	0.55
5.7	0.75	3.03	1274.78	0.55
5.8	0.76	3.10	1317.99	0.55
5.9	0.77	3.18	1362.00	0.55
6.0	0.78	3.26	1406.80	0.55
6.1	2	100	20000	0.55

END FTABLE230

FTABLE 258

62 4

0.0	0.60	0.00	0.00
0.1	0.62	0.06	2.78
0.2	0.63	0.12	8.82
0.3	0.65	0.19	17.32
0.4	0.66	0.25	27.94
0.5	0.68	0.32	40.51
0.6	0.69	0.39	54.88
0.7	0.71	0.46	70.96
0.8	0.72	0.53	88.69
0.9	0.74	0.60	108.00
1.0	0.75	0.68	128.86
1.1	0.77	0.75	151.23
1.2	0.78	0.83	175.09
1.3	0.80	0.91	200.41

1.4	0.81	0.99	227.18
1.5	0.83	1.07	255.39
1.6	0.84	1.16	285.02
1.7	0.86	1.24	316.08
1.8	0.87	1.33	348.56
1.9	0.89	1.42	382.44
2.0	0.91	1.51	417.74
2.1	0.92	1.60	454.46
2.2	0.94	1.69	492.58
2.3	0.95	1.79	532.13
2.4	0.97	1.88	573.09
2.5	0.98	1.98	615.48
2.6	1.00	2.08	659.29
2.7	1.01	2.18	704.54
2.8	1.03	2.28	751.23
2.9	1.04	2.38	799.37
3.0	1.06	2.49	848.96
3.1	1.07	2.60	900.01
3.2	1.09	2.70	952.52
3.3	1.10	2.81	1006.51
3.4	1.12	2.92	1061.98
3.5	1.13	3.04	1118.95
3.6	1.15	3.15	1177.41
3.7	1.16	3.26	1237.38
3.8	1.18	3.38	1298.87
3.9	1.19	3.50	1361.89
4.0	1.21	3.62	1426.43
4.1	1.22	3.74	1492.53
4.2	1.24	3.86	1560.18
4.3	1.25	3.99	1629.39
4.4	1.27	4.11	1700.17
4.5	1.28	4.24	1772.53
4.6	1.30	4.37	1846.49

4.7	1.31	4.50	1922.04
4.8	1.33	4.63	1999.21
4.9	1.34	4.77	2078.00
5.0	1.36	4.90	2158.42
5.1	1.37	5.04	2240.48
5.2	1.39	5.18	2324.19
5.3	1.40	5.32	2409.56
5.4	1.42	5.46	2496.61
5.5	1.43	5.60	2585.33
5.6	1.45	5.74	2675.74
5.7	1.46	5.89	2767.86
5.8	1.48	6.04	2861.68
5.9	1.49	6.19	2957.23
6.0	1.51	6.34	3054.50
6.1	2	100	20000

END FTABLE258

FTABLE 255

62 4

0.0	0.19	0.00	0.00
0.1	0.20	0.02	1.14
0.2	0.20	0.04	3.62
0.3	0.21	0.06	7.11
0.4	0.21	0.08	11.47
0.5	0.22	0.10	16.62
0.6	0.22	0.12	22.52
0.7	0.23	0.15	29.12
0.8	0.23	0.17	36.39
0.9	0.24	0.19	44.31
1.0	0.24	0.22	52.87
1.1	0.25	0.24	62.05
1.2	0.25	0.27	71.84
1.3	0.26	0.29	82.23
1.4	0.26	0.32	93.21

1.5	0.26	0.34	104.79
1.6	0.27	0.37	116.95
1.7	0.27	0.40	129.69
1.8	0.28	0.42	143.01
1.9	0.28	0.45	156.92
2.0	0.29	0.48	171.40
2.1	0.29	0.51	186.47
2.2	0.30	0.54	202.11
2.3	0.30	0.57	218.33
2.4	0.31	0.60	235.14
2.5	0.31	0.63	252.53
2.6	0.32	0.66	270.51
2.7	0.32	0.70	289.08
2.8	0.33	0.73	308.24
2.9	0.33	0.76	327.99
3.0	0.34	0.79	348.33
3.1	0.34	0.83	369.28
3.2	0.35	0.86	390.82
3.3	0.35	0.90	412.98
3.4	0.36	0.93	435.74
3.5	0.36	0.97	459.11
3.6	0.37	1.01	483.10
3.7	0.37	1.04	507.70
3.8	0.38	1.08	532.93
3.9	0.38	1.12	558.79
4.0	0.39	1.16	585.27
4.1	0.39	1.20	612.39
4.2	0.40	1.23	640.15
4.3	0.40	1.27	668.54
4.4	0.40	1.31	697.59
4.5	0.41	1.35	727.28
4.6	0.41	1.40	757.62
4.7	0.42	1.44	788.62

4.8	0.42	1.48	820.29
4.9	0.43	1.52	852.61
5.0	0.43	1.57	885.61
5.1	0.44	1.61	919.28
5.2	0.44	1.65	953.63
5.3	0.45	1.70	988.66
5.4	0.45	1.74	1024.37
5.5	0.46	1.79	1060.77
5.6	0.46	1.83	1097.87
5.7	0.47	1.88	1135.66
5.8	0.47	1.93	1174.16
5.9	0.48	1.98	1213.36
6.0	0.48	2.02	1253.28
6.1	2	100	20000

END FTABLE255

FTABLE 249

28 4

0.0	0.02	0.00	0.00
0.2	0.03	0.01	4.43
0.6	0.03	0.02	27.58
1.0	0.03	0.03	64.76
1.3	0.03	0.04	100.71
1.6	0.03	0.05	143.23
1.9	0.04	0.06	192.19
2.2	0.04	0.07	247.53
2.4	0.04	0.08	287.99
2.7	0.04	0.09	354.05
2.9	0.04	0.10	401.70
3.1	0.04	0.11	452.27
3.4	0.05	0.12	533.67
3.6	0.05	0.13	591.67
3.8	0.05	0.14	652.71
4.0	0.05	0.15	716.81

4.2	0.05	0.16	784.02
4.4	0.05	0.17	854.37
4.6	0.05	0.18	927.89
4.8	0.05	0.19	1004.64
5.0	0.06	0.20	1084.65
5.2	0.06	0.21	1167.95
5.3	0.06	0.22	1210.85
5.5	0.06	0.23	1299.18
5.7	0.06	0.24	1390.90
5.8	0.06	0.25	1438.05
6.0	0.06	0.26	1534.94
6.1	2	100	20000

END FTABLE249

FTABLE 242

62 4

0.0	0.18	0.00	0.00
0.1	0.18	0.02	0.76
0.2	0.19	0.04	2.40
0.3	0.19	0.06	4.71
0.4	0.20	0.08	7.61
0.5	0.20	0.10	11.03
0.6	0.21	0.12	14.94
0.7	0.21	0.14	19.31
0.8	0.22	0.16	24.14
0.9	0.22	0.18	29.39
1.0	0.22	0.20	35.07
1.1	0.23	0.22	41.16
1.2	0.23	0.25	47.65
1.3	0.24	0.27	54.54
1.4	0.24	0.29	61.83
1.5	0.25	0.32	69.51
1.6	0.25	0.34	77.57
1.7	0.26	0.37	86.03

1.8	0.26	0.40	94.86
1.9	0.26	0.42	104.09
2.0	0.27	0.45	113.70
2.1	0.27	0.48	123.69
2.2	0.28	0.50	134.06
2.3	0.28	0.53	144.83
2.4	0.29	0.56	155.98
2.5	0.29	0.59	167.51
2.6	0.30	0.62	179.44
2.7	0.30	0.65	191.75
2.8	0.30	0.68	204.46
2.9	0.31	0.71	217.56
3.0	0.31	0.74	231.06
3.1	0.32	0.77	244.95
3.2	0.32	0.80	259.24
3.3	0.33	0.84	273.94
3.4	0.33	0.87	289.04
3.5	0.34	0.90	304.54
3.6	0.34	0.94	320.45
3.7	0.34	0.97	336.77
3.8	0.35	1.00	353.51
3.9	0.35	1.04	370.66
4.0	0.36	1.08	388.23
4.1	0.36	1.11	406.21
4.2	0.37	1.15	424.63
4.3	0.37	1.18	443.46
4.4	0.38	1.22	462.73
4.5	0.38	1.26	482.42
4.6	0.39	1.30	502.55
4.7	0.39	1.34	523.11
4.8	0.39	1.38	544.12
4.9	0.40	1.42	565.56
5.0	0.40	1.46	587.45

5.1	0.41	1.50	609.78
5.2	0.41	1.54	632.57
5.3	0.42	1.58	655.80
5.4	0.42	1.62	679.49
5.5	0.43	1.66	703.64
5.6	0.43	1.71	728.24
5.7	0.43	1.75	753.31
5.8	0.44	1.79	778.85
5.9	0.44	1.84	804.85
6.0	0.45	1.88	831.33
6.1	2	100	20000

END FTABLE242

FTABLE 236

62 5

0.0	0.12	0.00	0.00	0.33
0.1	0.13	0.01	0.65	0.33
0.2	0.13	0.03	2.05	0.33
0.3	0.13	0.04	4.02	0.33
0.4	0.14	0.05	6.49	0.33
0.5	0.14	0.07	9.40	0.33
0.6	0.14	0.08	12.74	0.33
0.7	0.15	0.09	16.47	0.33
0.8	0.15	0.11	20.59	0.33
0.9	0.15	0.12	25.07	0.33
1.0	0.16	0.14	29.91	0.33
1.1	0.16	0.16	35.10	0.33
1.2	0.16	0.17	40.64	0.33
1.3	0.16	0.19	46.52	0.33
1.4	0.17	0.20	52.73	0.33
1.5	0.17	0.22	59.28	0.33
1.6	0.17	0.24	66.16	0.33
1.7	0.18	0.26	73.36	0.33
1.8	0.18	0.27	80.90	0.33

1.9	0.18	0.29	88.77	0.33
2.0	0.19	0.31	96.96	0.33
2.1	0.19	0.33	105.48	0.33
2.2	0.19	0.35	114.33	0.33
2.3	0.20	0.37	123.51	0.33
2.4	0.20	0.39	133.02	0.33
2.5	0.20	0.41	142.85	0.33
2.6	0.21	0.43	153.02	0.33
2.7	0.21	0.45	163.53	0.33
2.8	0.21	0.47	174.36	0.33
2.9	0.21	0.49	185.54	0.33
3.0	0.22	0.51	197.05	0.33
3.1	0.22	0.54	208.89	0.33
3.2	0.22	0.56	221.08	0.33
3.3	0.23	0.58	233.61	0.33
3.4	0.23	0.60	246.49	0.33
3.5	0.23	0.63	259.71	0.33
3.6	0.24	0.65	273.28	0.33
3.7	0.24	0.67	287.20	0.33
3.8	0.24	0.70	301.47	0.33
3.9	0.25	0.72	316.10	0.33
4.0	0.25	0.75	331.08	0.33
4.1	0.25	0.77	346.42	0.33
4.2	0.26	0.80	362.12	0.33
4.3	0.26	0.82	378.19	0.33
4.4	0.26	0.85	394.61	0.33
4.5	0.26	0.87	411.41	0.33
4.6	0.27	0.90	428.58	0.33
4.7	0.27	0.93	446.11	0.33
4.8	0.27	0.96	464.02	0.33
4.9	0.28	0.98	482.31	0.33
5.0	0.28	1.01	500.98	0.33
5.1	0.28	1.04	520.02	0.33

5.2	0.29	1.07	539.45	0.33
5.3	0.29	1.10	559.27	0.33
5.4	0.29	1.13	579.47	0.33
5.5	0.30	1.15	600.06	0.33
5.6	0.30	1.18	621.05	0.33
5.7	0.30	1.21	642.43	0.33
5.8	0.30	1.24	664.21	0.33
5.9	0.31	1.28	686.38	0.33
6.0	0.31	1.31	708.96	0.33
6.1	2	100	20000	0.33

END FTABLE236

FTABLE 294

62 4

0.0	0.33	0.00	0.00
0.1	0.34	0.03	1.91
0.2	0.35	0.07	6.06
0.3	0.35	0.10	11.89
0.4	0.36	0.14	19.19
0.5	0.37	0.17	27.81
0.6	0.38	0.21	37.68
0.7	0.39	0.25	48.72
0.8	0.39	0.29	60.89
0.9	0.40	0.33	74.15
1.0	0.41	0.37	88.47
1.1	0.42	0.41	103.83
1.2	0.43	0.45	120.21
1.3	0.44	0.50	137.60
1.4	0.44	0.54	155.98
1.5	0.45	0.59	175.34
1.6	0.46	0.63	195.69
1.7	0.47	0.68	217.01
1.8	0.48	0.73	239.31
1.9	0.49	0.77	262.57

2.0	0.49	0.82	286.81
2.1	0.50	0.87	312.02
2.2	0.51	0.92	338.19
2.3	0.52	0.97	365.34
2.4	0.53	1.03	393.47
2.5	0.53	1.08	422.57
2.6	0.54	1.13	452.65
2.7	0.55	1.19	483.72
2.8	0.56	1.24	515.78
2.9	0.57	1.30	548.82
3.0	0.58	1.36	582.87
3.1	0.58	1.42	617.92
3.2	0.59	1.47	653.97
3.3	0.60	1.53	691.04
3.4	0.61	1.59	729.13
3.5	0.62	1.66	768.24
3.6	0.63	1.72	808.38
3.7	0.63	1.78	849.55
3.8	0.64	1.84	891.77
3.9	0.65	1.91	935.03
4.0	0.66	1.97	979.35
4.1	0.67	2.04	1024.73
4.2	0.67	2.11	1071.17
4.3	0.68	2.18	1118.69
4.4	0.69	2.24	1167.29
4.5	0.70	2.31	1216.97
4.6	0.71	2.38	1267.75
4.7	0.72	2.46	1319.62
4.8	0.72	2.53	1372.60
4.9	0.73	2.60	1426.70
5.0	0.74	2.67	1481.91
5.1	0.75	2.75	1538.25
5.2	0.76	2.82	1595.72

5.3	0.77	2.90	1654.34
5.4	0.77	2.98	1714.10
5.5	0.78	3.05	1775.01
5.6	0.79	3.13	1837.09
5.7	0.80	3.21	1900.33
5.8	0.81	3.29	1964.75
5.9	0.81	3.37	2030.35
6.0	0.82	3.46	2097.13
6.1	2	100	20000

END FTABLE294

FTABLE 288

55 4

0.0	0.06	0.00	0.00
0.1	0.06	0.01	2.84
0.3	0.06	0.02	17.66
0.5	0.06	0.03	41.32
0.6	0.06	0.04	55.98
0.8	0.07	0.05	90.46
0.9	0.07	0.06	110.16
1.1	0.07	0.07	154.26
1.2	0.07	0.08	178.59
1.3	0.07	0.09	204.42
1.5	0.08	0.10	260.50
1.6	0.08	0.11	290.73
1.7	0.08	0.12	322.40
1.9	0.08	0.13	390.09
2.0	0.08	0.14	426.10
2.1	0.09	0.15	463.55
2.2	0.09	0.16	502.44
2.3	0.09	0.17	542.77
2.4	0.09	0.18	584.55
2.5	0.09	0.19	627.79
2.7	0.09	0.20	718.64

2.8	0.10	0.21	766.26
2.9	0.10	0.22	815.36
3.0	0.10	0.23	865.94
3.1	0.10	0.24	918.01
3.2	0.10	0.25	971.57
3.3	0.10	0.26	1026.64
3.4	0.10	0.27	1083.23
3.5	0.11	0.28	1141.33
3.6	0.11	0.29	1200.96
3.7	0.11	0.31	1262.13
3.8	0.11	0.32	1324.85
3.9	0.11	0.33	1389.13
4.0	0.11	0.34	1454.97
4.1	0.11	0.35	1522.38
4.2	0.12	0.36	1591.38
4.3	0.12	0.37	1661.98
4.4	0.12	0.39	1734.17
4.5	0.12	0.40	1807.99
4.6	0.12	0.41	1883.42
4.7	0.12	0.42	1960.49
4.8	0.12	0.43	2039.20
4.9	0.13	0.45	2119.57
5.0	0.13	0.46	2201.59
5.1	0.13	0.47	2285.30
5.2	0.13	0.48	2370.68
5.3	0.13	0.50	2457.76
5.4	0.13	0.51	2546.54
5.5	0.13	0.52	2637.04
5.6	0.14	0.54	2729.26
5.7	0.14	0.55	2823.22
5.8	0.14	0.56	2918.92
5.9	0.14	0.58	3016.38
6.0	0.14	0.59	3115.60

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6.1  2    100  20000
END FTABLE288
FTABLE  289
62  4
0.0  0.26  0.00  0.00
0.1  0.27  0.03  2.73
0.2  0.28  0.05  8.66
0.3  0.28  0.08  16.99
0.4  0.29  0.11  27.42
0.5  0.30  0.14  39.75
0.6  0.30  0.17  53.85
0.7  0.31  0.20  69.64
0.8  0.32  0.23  87.03
0.9  0.32  0.26  105.98
1.0  0.33  0.30  126.45
1.1  0.33  0.33  148.40
1.2  0.34  0.36  171.81
1.3  0.35  0.40  196.66
1.4  0.35  0.43  222.93
1.5  0.36  0.47  250.61
1.6  0.37  0.50  279.70
1.7  0.37  0.54  310.17
1.8  0.38  0.58  342.04
1.9  0.39  0.62  375.29
2.0  0.39  0.66  409.93
2.1  0.40  0.70  445.96
2.2  0.41  0.74  483.38
2.3  0.41  0.78  522.18
2.4  0.42  0.82  562.38
2.5  0.43  0.86  603.97
2.6  0.43  0.90  646.97
2.7  0.44  0.95  691.37
2.8  0.45  0.99  737.19

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2.9	0.45	1.04	784.43
3.0	0.46	1.08	833.09
3.1	0.47	1.13	883.18
3.2	0.47	1.18	934.71
3.3	0.48	1.22	987.70
3.4	0.49	1.27	1042.13
3.5	0.49	1.32	1098.03
3.6	0.50	1.37	1155.40
3.7	0.51	1.42	1214.25
3.8	0.51	1.47	1274.59
3.9	0.52	1.52	1336.43
4.0	0.53	1.58	1399.77
4.1	0.53	1.63	1464.63
4.2	0.54	1.68	1531.01
4.3	0.54	1.74	1598.93
4.4	0.55	1.79	1668.39
4.5	0.56	1.85	1739.40
4.6	0.56	1.90	1811.97
4.7	0.57	1.96	1886.12
4.8	0.58	2.02	1961.84
4.9	0.58	2.07	2039.16
5.0	0.59	2.13	2118.07
5.1	0.60	2.19	2198.60
5.2	0.60	2.25	2280.75
5.3	0.61	2.31	2364.52
5.4	0.62	2.37	2449.94
5.5	0.62	2.44	2537.00
5.6	0.63	2.50	2625.72
5.7	0.64	2.56	2716.12
5.8	0.64	2.63	2808.19
5.9	0.65	2.69	2901.95
6.0	0.66	2.76	2997.40
6.1	2	100	20000

END FTABLE289

FTABLE 273

62 4

0.0	0.51	0.00	0.00
0.1	0.52	0.05	1.89
0.2	0.53	0.10	5.99
0.3	0.54	0.16	11.76
0.4	0.56	0.21	18.98
0.5	0.57	0.27	27.51
0.6	0.58	0.33	37.27
0.7	0.60	0.39	48.20
0.8	0.61	0.45	60.24
0.9	0.62	0.51	73.35
1.0	0.63	0.57	87.52
1.1	0.65	0.63	102.71
1.2	0.66	0.70	118.92
1.3	0.67	0.77	136.11
1.4	0.68	0.83	154.30
1.5	0.70	0.90	173.45
1.6	0.71	0.97	193.58
1.7	0.72	1.04	214.68
1.8	0.73	1.12	236.73
1.9	0.75	1.19	259.75
2.0	0.76	1.27	283.72
2.1	0.77	1.34	308.66
2.2	0.79	1.42	334.55
2.3	0.80	1.50	361.41
2.4	0.81	1.58	389.23
2.5	0.82	1.66	418.02
2.6	0.84	1.75	447.78
2.7	0.85	1.83	478.51
2.8	0.86	1.91	510.22
2.9	0.87	2.00	542.91

3.0	0.89	2.09	576.59
3.1	0.90	2.18	611.26
3.2	0.91	2.27	646.93
3.3	0.92	2.36	683.60
3.4	0.94	2.45	721.27
3.5	0.95	2.55	759.96
3.6	0.96	2.64	799.67
3.7	0.98	2.74	840.40
3.8	0.99	2.84	882.16
3.9	1.00	2.94	924.96
4.0	1.01	3.04	968.80
4.1	1.03	3.14	1013.69
4.2	1.04	3.24	1059.63
4.3	1.05	3.35	1106.64
4.4	1.06	3.45	1154.71
4.5	1.08	3.56	1203.86
4.6	1.09	3.67	1254.09
4.7	1.10	3.78	1305.41
4.8	1.11	3.89	1357.82
4.9	1.13	4.00	1411.33
5.0	1.14	4.12	1465.95
5.1	1.15	4.23	1521.68
5.2	1.17	4.35	1578.54
5.3	1.18	4.46	1636.52
5.4	1.19	4.58	1695.63
5.5	1.20	4.70	1755.89
5.6	1.22	4.82	1817.30
5.7	1.23	4.94	1879.86
5.8	1.24	5.07	1943.58
5.9	1.25	5.19	2008.48
6.0	1.27	5.32	2074.54
6.1	2	100	20000

END FTABLE273

FTABLE 265**62 4**

0.0	0.14	0.00	0.00
0.1	0.14	0.01	0.46
0.2	0.15	0.03	1.45
0.3	0.15	0.04	2.84
0.4	0.16	0.06	4.59
0.5	0.16	0.07	6.65
0.6	0.16	0.09	9.01
0.7	0.17	0.11	11.65
0.8	0.17	0.12	14.56
0.9	0.17	0.14	17.73
1.0	0.18	0.16	21.15
1.1	0.18	0.18	24.82
1.2	0.18	0.19	28.74
1.3	0.19	0.21	32.89
1.4	0.19	0.23	37.29
1.5	0.19	0.25	41.91
1.6	0.20	0.27	46.78
1.7	0.20	0.29	51.88
1.8	0.20	0.31	57.21
1.9	0.21	0.33	62.77
2.0	0.21	0.35	68.56
2.1	0.22	0.37	74.59
2.2	0.22	0.40	80.84
2.3	0.22	0.42	87.33
2.4	0.23	0.44	94.06
2.5	0.23	0.46	101.01
2.6	0.23	0.49	108.20
2.7	0.24	0.51	115.63
2.8	0.24	0.53	123.29
2.9	0.24	0.56	131.19
3.0	0.25	0.58	139.33

3.1	0.25	0.61	147.71
3.2	0.25	0.63	156.33
3.3	0.26	0.66	165.19
3.4	0.26	0.68	174.29
3.5	0.26	0.71	183.64
3.6	0.27	0.74	193.24
3.7	0.27	0.76	203.08
3.8	0.28	0.79	213.17
3.9	0.28	0.82	223.52
4.0	0.28	0.85	234.11
4.1	0.29	0.87	244.96
4.2	0.29	0.90	256.06
4.3	0.29	0.93	267.42
4.4	0.30	0.96	279.03
4.5	0.30	0.99	290.91
4.6	0.30	1.02	303.05
4.7	0.31	1.05	315.45
4.8	0.31	1.08	328.11
4.9	0.31	1.11	341.05
5.0	0.32	1.15	354.24
5.1	0.32	1.18	367.71
5.2	0.32	1.21	381.45
5.3	0.33	1.24	395.46
5.4	0.33	1.28	409.75
5.5	0.34	1.31	424.31
5.6	0.34	1.34	439.15
5.7	0.34	1.38	454.27
5.8	0.35	1.41	469.66
5.9	0.35	1.45	485.35
6.0	0.35	1.48	501.31
6.1	2	100	20000

END FTABLE265

FTABLE 238

62 4

0.0	1.22	0.00	0.00
0.1	1.25	0.12	2.08
0.2	1.28	0.25	6.58
0.3	1.31	0.38	12.91
0.4	1.34	0.51	20.83
0.5	1.37	0.65	30.19
0.6	1.40	0.79	40.91
0.7	1.44	0.93	52.89
0.8	1.47	1.07	66.11
0.9	1.50	1.22	80.50
1.0	1.53	1.37	96.05
1.1	1.56	1.53	112.72
1.2	1.59	1.69	130.50
1.3	1.62	1.85	149.38
1.4	1.65	2.01	169.33
1.5	1.68	2.18	190.36
1.6	1.71	2.34	212.44
1.7	1.74	2.52	235.59
1.8	1.77	2.69	259.80
1.9	1.80	2.87	285.06
2.0	1.83	3.05	311.37
2.1	1.86	3.24	338.73
2.2	1.89	3.43	367.15
2.3	1.92	3.62	396.62
2.4	1.95	3.81	427.16
2.5	1.98	4.01	458.75
2.6	2.02	4.21	491.41
2.7	2.05	4.41	525.14
2.8	2.08	4.62	559.94
2.9	2.11	4.83	595.81
3.0	2.14	5.04	632.78
3.1	2.17	5.25	670.82

3.2	2.20	5.47	709.97
3.3	2.23	5.69	750.21
3.4	2.26	5.92	791.56
3.5	2.29	6.14	834.01
3.6	2.32	6.38	877.59
3.7	2.35	6.61	922.29
3.8	2.38	6.85	968.12
3.9	2.41	7.09	1015.09
4.0	2.44	7.33	1063.20
4.1	2.47	7.57	1112.47
4.2	2.50	7.82	1162.89
4.3	2.53	8.07	1214.47
4.4	2.56	8.33	1267.23
4.5	2.60	8.59	1321.17
4.6	2.63	8.85	1376.29
4.7	2.66	9.11	1432.61
4.8	2.69	9.38	1490.13
4.9	2.72	9.65	1548.85
5.0	2.75	9.92	1608.79
5.1	2.78	10.20	1669.96
5.2	2.81	10.48	1732.35
5.3	2.84	10.76	1795.98
5.4	2.87	11.05	1860.86
5.5	2.90	11.34	1926.99
5.6	2.93	11.63	1994.38
5.7	2.96	11.92	2063.04
5.8	2.99	12.22	2132.97
5.9	3.02	12.52	2204.19
6.0	3.05	12.82	2276.69
6.1	2	100	20000

END FTABLE238

FTABLE 234

0.0	0.14	0.00	0.00
0.1	0.14	0.01	0.69
0.2	0.15	0.03	2.17
0.3	0.15	0.04	4.26
0.4	0.15	0.06	6.88
0.5	0.16	0.07	9.97
0.6	0.16	0.09	13.51
0.7	0.16	0.11	17.47
0.8	0.17	0.12	21.83
0.9	0.17	0.14	26.59
1.0	0.17	0.16	31.72
1.1	0.18	0.17	37.23
1.2	0.18	0.19	43.10
1.3	0.19	0.21	49.34
1.4	0.19	0.23	55.93
1.5	0.19	0.25	62.87
1.6	0.20	0.27	70.17
1.7	0.20	0.29	77.81
1.8	0.20	0.31	85.81
1.9	0.21	0.33	94.15
2.0	0.21	0.35	102.84
2.1	0.21	0.37	111.88
2.2	0.22	0.39	121.27
2.3	0.22	0.41	131.00
2.4	0.22	0.44	141.09
2.5	0.23	0.46	151.52
2.6	0.23	0.48	162.31
2.7	0.23	0.50	173.45
2.8	0.24	0.53	184.94
2.9	0.24	0.55	196.79
3.0	0.24	0.58	209.00
3.1	0.25	0.60	221.57
3.2	0.25	0.63	234.49

3.3	0.26	0.65	247.79
3.4	0.26	0.68	261.44
3.5	0.26	0.70	275.47
3.6	0.27	0.73	289.86
3.7	0.27	0.76	304.62
3.8	0.27	0.78	319.76
3.9	0.28	0.81	335.27
4.0	0.28	0.84	351.16
4.1	0.28	0.87	367.44
4.2	0.29	0.90	384.09
4.3	0.29	0.92	401.13
4.4	0.29	0.95	418.55
4.5	0.30	0.98	436.37
4.6	0.30	1.01	454.57
4.7	0.30	1.04	473.17
4.8	0.31	1.07	492.17
4.9	0.31	1.10	511.57
5.0	0.31	1.14	531.37
5.1	0.32	1.17	551.57
5.2	0.32	1.20	572.18
5.3	0.32	1.23	593.19
5.4	0.33	1.26	614.62
5.5	0.33	1.30	636.46
5.6	0.34	1.33	658.72
5.7	0.34	1.36	681.40
5.8	0.34	1.40	704.50
5.9	0.35	1.43	728.02
6.0	0.35	1.47	751.97
6.1	2	100	20000

END FTABLE234

FTABLE 231

62 4

0.0	0.17	0.00	0.00
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0.1	0.17	0.02	0.69
0.2	0.17	0.03	2.17
0.3	0.18	0.05	4.26
0.4	0.18	0.07	6.88
0.5	0.19	0.09	9.97
0.6	0.19	0.11	13.51
0.7	0.19	0.13	17.47
0.8	0.20	0.15	21.83
0.9	0.20	0.17	26.59
1.0	0.21	0.19	31.72
1.1	0.21	0.21	37.23
1.2	0.21	0.23	43.10
1.3	0.22	0.25	49.34
1.4	0.22	0.27	55.93
1.5	0.23	0.29	62.87
1.6	0.23	0.32	70.17
1.7	0.24	0.34	77.81
1.8	0.24	0.36	85.81
1.9	0.24	0.39	94.15
2.0	0.25	0.41	102.84
2.1	0.25	0.44	111.88
2.2	0.26	0.46	121.27
2.3	0.26	0.49	131.00
2.4	0.26	0.52	141.09
2.5	0.27	0.54	151.52
2.6	0.27	0.57	162.31
2.7	0.28	0.60	173.45
2.8	0.28	0.62	184.94
2.9	0.29	0.65	196.79
3.0	0.29	0.68	209.00
3.1	0.29	0.71	221.57
3.2	0.30	0.74	234.49
3.3	0.30	0.77	247.79

3.4	0.31	0.80	261.44
3.5	0.31	0.83	275.47
3.6	0.31	0.86	289.86
3.7	0.32	0.89	304.62
3.8	0.32	0.93	319.76
3.9	0.33	0.96	335.27
4.0	0.33	0.99	351.16
4.1	0.33	1.03	367.44
4.2	0.34	1.06	384.09
4.3	0.34	1.09	401.13
4.4	0.35	1.13	418.55
4.5	0.35	1.16	436.37
4.6	0.36	1.20	454.57
4.7	0.36	1.23	473.17
4.8	0.36	1.27	492.17
4.9	0.37	1.31	511.57
5.0	0.37	1.34	531.37
5.1	0.38	1.38	551.57
5.2	0.38	1.42	572.18
5.3	0.38	1.46	593.19
5.4	0.39	1.50	614.62
5.5	0.39	1.53	636.46
5.6	0.40	1.57	658.72
5.7	0.40	1.61	681.40
5.8	0.41	1.65	704.50
5.9	0.41	1.69	728.02
6.0	0.41	1.74	751.97
6.1	2	100	20000

END FTABLE231

FTABLE 274

62 4

0.0	0.70	0.00	0.00
0.1	0.72	0.07	2.16

0.2	0.73	0.14	6.85
0.3	0.75	0.22	13.44
0.4	0.77	0.29	21.69
0.5	0.79	0.37	31.45
0.6	0.80	0.45	42.61
0.7	0.82	0.53	55.09
0.8	0.84	0.61	68.85
0.9	0.86	0.70	83.85
1.0	0.87	0.79	100.04
1.1	0.89	0.87	117.41
1.2	0.91	0.96	135.93
1.3	0.93	1.06	155.58
1.4	0.94	1.15	176.37
1.5	0.96	1.24	198.27
1.6	0.98	1.34	221.27
1.7	0.99	1.44	245.39
1.8	1.01	1.54	270.60
1.9	1.03	1.64	296.90
2.0	1.05	1.75	324.31
2.1	1.06	1.85	352.81
2.2	1.08	1.96	382.41
2.3	1.10	2.07	413.11
2.4	1.12	2.18	444.91
2.5	1.13	2.29	477.82
2.6	1.15	2.41	511.83
2.7	1.17	2.52	546.96
2.8	1.19	2.64	583.21
2.9	1.20	2.76	620.58
3.0	1.22	2.88	659.07
3.1	1.24	3.00	698.70
3.2	1.26	3.13	739.47
3.3	1.27	3.25	781.39
3.4	1.29	3.38	824.45

3.5	1.31	3.51	868.68
3.6	1.33	3.64	914.06
3.7	1.34	3.78	960.62
3.8	1.36	3.91	1008.36
3.9	1.38	4.05	1057.28
4.0	1.40	4.19	1107.39
4.1	1.41	4.33	1158.70
4.2	1.43	4.47	1211.22
4.3	1.45	4.62	1264.95
4.4	1.47	4.76	1319.90
4.5	1.48	4.91	1376.08
4.6	1.50	5.06	1433.49
4.7	1.52	5.21	1492.15
4.8	1.54	5.36	1552.06
4.9	1.55	5.52	1613.22
5.0	1.57	5.67	1675.65
5.1	1.59	5.83	1739.36
5.2	1.61	5.99	1804.35
5.3	1.62	6.15	1870.63
5.4	1.64	6.31	1938.20
5.5	1.66	6.48	2007.08
5.6	1.68	6.65	2077.27
5.7	1.69	6.81	2148.78
5.8	1.71	6.98	2221.62
5.9	1.73	7.16	2295.79
6.0	1.75	7.33	2371.31
6.1	2	100	20000

END FTABLE274

FTABLE 286

62 4

0.0	0.11	0.00	0.00
0.1	0.11	0.01	1.19
0.2	0.12	0.02	3.76

0.3	0.12	0.03	7.38
0.4	0.12	0.05	11.92
0.5	0.12	0.06	17.27
0.6	0.13	0.07	23.40
0.7	0.13	0.08	30.26
0.8	0.13	0.10	37.82
0.9	0.13	0.11	46.05
1.0	0.14	0.12	54.95
1.1	0.14	0.14	64.49
1.2	0.14	0.15	74.66
1.3	0.15	0.17	85.45
1.4	0.15	0.18	96.87
1.5	0.15	0.20	108.90
1.6	0.15	0.21	121.53
1.7	0.16	0.23	134.78
1.8	0.16	0.24	148.62
1.9	0.16	0.26	163.07
2.0	0.16	0.27	178.13
2.1	0.17	0.29	193.78
2.2	0.17	0.31	210.04
2.3	0.17	0.33	226.90
2.4	0.18	0.34	244.37
2.5	0.18	0.36	262.44
2.6	0.18	0.38	281.12
2.7	0.18	0.40	300.42
2.8	0.19	0.42	320.33
2.9	0.19	0.43	340.85
3.0	0.19	0.45	362.00
3.1	0.20	0.47	383.76
3.2	0.20	0.49	406.16
3.3	0.20	0.51	429.18
3.4	0.20	0.53	452.83
3.5	0.21	0.55	477.12

3.6	0.21	0.57	502.05
3.7	0.21	0.60	527.62
3.8	0.21	0.62	553.84
3.9	0.22	0.64	580.71
4.0	0.22	0.66	608.23
4.1	0.22	0.68	636.42
4.2	0.23	0.70	665.26
4.3	0.23	0.73	694.77
4.4	0.23	0.75	724.95
4.5	0.23	0.77	755.81
4.6	0.24	0.80	787.34
4.7	0.24	0.82	819.56
4.8	0.24	0.84	852.47
4.9	0.24	0.87	886.06
5.0	0.25	0.89	920.35
5.1	0.25	0.92	955.34
5.2	0.25	0.94	991.04
5.3	0.26	0.97	1027.44
5.4	0.26	0.99	1064.56
5.5	0.26	1.02	1102.39
5.6	0.26	1.05	1140.94
5.7	0.27	1.07	1180.22
5.8	0.27	1.10	1220.22
5.9	0.27	1.13	1260.97
6.0	0.27	1.15	1302.44
6.1	2	100	20000

END FTABLE286

FTABLE 287

38 4

0.0	0.03	0.00	0.00
0.2	0.04	0.01	2.71
0.5	0.04	0.02	12.44
0.7	0.04	0.03	21.79

1.0	0.04	0.04	39.57
1.2	0.04	0.05	53.76
1.4	0.05	0.06	69.75
1.6	0.05	0.07	87.52
1.8	0.05	0.08	107.02
2.0	0.05	0.09	128.27
2.2	0.05	0.10	151.25
2.4	0.06	0.11	175.96
2.6	0.06	0.12	202.43
2.8	0.06	0.13	230.66
2.9	0.06	0.14	245.44
3.1	0.06	0.15	276.34
3.3	0.06	0.16	309.04
3.4	0.06	0.17	326.08
3.6	0.07	0.18	361.52
3.7	0.07	0.19	379.93
3.9	0.07	0.20	418.16
4.0	0.07	0.21	437.98
4.2	0.07	0.22	479.04
4.3	0.07	0.23	500.29
4.4	0.07	0.24	522.03
4.6	0.07	0.25	566.95
4.7	0.08	0.26	590.15
4.8	0.08	0.27	613.85
5.0	0.08	0.28	662.73
5.1	0.08	0.29	687.93
5.2	0.08	0.30	713.63
5.4	0.08	0.31	766.57
5.5	0.08	0.32	793.81
5.6	0.08	0.33	821.57
5.7	0.08	0.34	849.85
5.8	0.08	0.35	878.66
6.0	0.09	0.36	937.87

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6.1  2    100  20000
END FTABLE287
FTABLE  299
62  4
0.0  0.32  0.00  0.00
0.1  0.33  0.03  2.71
0.2  0.34  0.07  8.60
0.3  0.34  0.10  16.88
0.4  0.35  0.13  27.23
0.5  0.36  0.17  39.47
0.6  0.37  0.21  53.48
0.7  0.38  0.24  69.15
0.8  0.38  0.28  86.42
0.9  0.39  0.32  105.24
1.0  0.40  0.36  125.56
1.1  0.41  0.40  147.36
1.2  0.42  0.44  170.61
1.3  0.42  0.48  195.28
1.4  0.43  0.53  221.37
1.5  0.44  0.57  248.86
1.6  0.45  0.61  277.73
1.7  0.46  0.66  308.00
1.8  0.46  0.71  339.64
1.9  0.47  0.75  372.66
2.0  0.48  0.80  407.06
2.1  0.49  0.85  442.83
2.2  0.50  0.90  479.98
2.3  0.50  0.95  518.52
2.4  0.51  1.00  558.43
2.5  0.52  1.05  599.74
2.6  0.53  1.10  642.43
2.7  0.54  1.16  686.52
2.8  0.54  1.21  732.02

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2.9	0.55	1.27	778.92
3.0	0.56	1.32	827.24
3.1	0.57	1.38	876.98
3.2	0.58	1.43	928.16
3.3	0.58	1.49	980.76
3.4	0.59	1.55	1034.82
3.5	0.60	1.61	1090.33
3.6	0.61	1.67	1147.29
3.7	0.62	1.73	1205.73
3.8	0.62	1.79	1265.65
3.9	0.63	1.86	1327.05
4.0	0.64	1.92	1389.95
4.1	0.65	1.99	1454.35
4.2	0.66	2.05	1520.27
4.3	0.66	2.12	1587.71
4.4	0.67	2.18	1656.68
4.5	0.68	2.25	1727.19
4.6	0.69	2.32	1799.26
4.7	0.70	2.39	1872.88
4.8	0.70	2.46	1948.07
4.9	0.71	2.53	2024.85
5.0	0.72	2.60	2103.21
5.1	0.73	2.67	2183.17
5.2	0.74	2.75	2264.74
5.3	0.74	2.82	2347.93
5.4	0.75	2.90	2432.74
5.5	0.76	2.97	2519.20
5.6	0.77	3.05	2607.30
5.7	0.78	3.13	2697.05
5.8	0.78	3.20	2788.48
5.9	0.79	3.28	2881.58
6.0	0.80	3.36	2976.37
6.1	2	100	20000

END FTABLE299

FTABLE 300

62 4

0.0	0.20	0.00	0.00
0.1	0.21	0.02	2.58
0.2	0.22	0.04	8.16
0.3	0.22	0.06	16.02
0.4	0.23	0.09	25.84
0.5	0.23	0.11	37.46
0.6	0.24	0.13	50.75
0.7	0.24	0.16	65.63
0.8	0.25	0.18	82.02
0.9	0.25	0.21	99.88
1.0	0.26	0.23	119.17
1.1	0.26	0.26	139.86
1.2	0.27	0.28	161.92
1.3	0.27	0.31	185.33
1.4	0.28	0.34	210.09
1.5	0.28	0.37	236.18
1.6	0.29	0.39	263.59
1.7	0.29	0.42	292.31
1.8	0.30	0.45	322.34
1.9	0.30	0.48	353.68
2.0	0.31	0.51	386.32
2.1	0.31	0.54	420.27
2.2	0.32	0.57	455.53
2.3	0.32	0.61	492.10
2.4	0.33	0.64	529.98
2.5	0.33	0.67	569.18
2.6	0.34	0.71	609.70
2.7	0.34	0.74	651.55
2.8	0.35	0.77	694.73
2.9	0.35	0.81	739.24

3.0	0.36	0.85	785.10
3.1	0.36	0.88	832.31
3.2	0.37	0.92	880.87
3.3	0.37	0.96	930.80
3.4	0.38	0.99	982.10
3.5	0.38	1.03	1034.78
3.6	0.39	1.07	1088.85
3.7	0.39	1.11	1144.31
3.8	0.40	1.15	1201.17
3.9	0.40	1.19	1259.45
4.0	0.41	1.23	1319.14
4.1	0.42	1.27	1380.26
4.2	0.42	1.31	1442.82
4.3	0.43	1.36	1506.82
4.4	0.43	1.40	1572.28
4.5	0.44	1.44	1639.20
4.6	0.44	1.49	1707.60
4.7	0.45	1.53	1777.47
4.8	0.45	1.57	1848.83
4.9	0.46	1.62	1921.70
5.0	0.46	1.67	1996.07
5.1	0.47	1.71	2071.95
5.2	0.47	1.76	2149.37
5.3	0.48	1.81	2228.32
5.4	0.48	1.85	2308.81
5.5	0.49	1.90	2390.86
5.6	0.49	1.95	2474.47
5.7	0.50	2.00	2559.66
5.8	0.50	2.05	2646.43
5.9	0.51	2.10	2734.78
6.0	0.51	2.15	2824.74
6.1	2	100	20000

END FTABLE300

FTABLE 363**62 5**

0.0	0.33	0.00	0.00	0.22
0.1	0.34	0.03	1.22	0.22
0.2	0.35	0.07	3.87	0.22
0.3	0.36	0.10	7.59	0.22
0.4	0.37	0.14	12.24	0.22
0.5	0.37	0.18	17.75	0.22
0.6	0.38	0.21	24.04	0.22
0.7	0.39	0.25	31.09	0.22
0.8	0.40	0.29	38.85	0.22
0.9	0.41	0.33	47.31	0.22
1.0	0.42	0.37	56.45	0.22
1.1	0.42	0.42	66.25	0.22
1.2	0.43	0.46	76.70	0.22
1.3	0.44	0.50	87.80	0.22
1.4	0.45	0.55	99.52	0.22
1.5	0.46	0.59	111.88	0.22
1.6	0.47	0.64	124.87	0.22
1.7	0.47	0.69	138.47	0.22
1.8	0.48	0.73	152.70	0.22
1.9	0.49	0.78	167.54	0.22
2.0	0.50	0.83	183.01	0.22
2.1	0.51	0.88	199.09	0.22
2.2	0.52	0.93	215.79	0.22
2.3	0.52	0.99	233.12	0.22
2.4	0.53	1.04	251.06	0.22
2.5	0.54	1.09	269.63	0.22
2.6	0.55	1.15	288.83	0.22
2.7	0.56	1.20	308.65	0.22
2.8	0.57	1.26	329.11	0.22
2.9	0.57	1.31	350.19	0.22
3.0	0.58	1.37	371.92	0.22

3.1	0.59	1.43	394.28	0.22
3.2	0.60	1.49	417.29	0.22
3.3	0.61	1.55	440.94	0.22
3.4	0.62	1.61	465.24	0.22
3.5	0.62	1.67	490.19	0.22
3.6	0.63	1.74	515.81	0.22
3.7	0.64	1.80	542.08	0.22
3.8	0.65	1.86	569.02	0.22
3.9	0.66	1.93	596.62	0.22
4.0	0.67	2.00	624.90	0.22
4.1	0.67	2.06	653.86	0.22
4.2	0.68	2.13	683.49	0.22
4.3	0.69	2.20	713.81	0.22
4.4	0.70	2.27	744.82	0.22
4.5	0.71	2.34	776.52	0.22
4.6	0.72	2.41	808.92	0.22
4.7	0.72	2.48	842.02	0.22
4.8	0.73	2.55	875.83	0.22
4.9	0.74	2.63	910.34	0.22
5.0	0.75	2.70	945.57	0.22
5.1	0.76	2.78	981.52	0.22
5.2	0.77	2.85	1018.20	0.22
5.3	0.77	2.93	1055.60	0.22
5.4	0.78	3.01	1093.73	0.22
5.5	0.79	3.09	1132.60	0.22
5.6	0.80	3.17	1172.20	0.22
5.7	0.81	3.25	1212.56	0.22
5.8	0.82	3.33	1253.66	0.22
5.9	0.82	3.41	1295.52	0.22
6.0	0.83	3.49	1338.13	0.22
6.1	2	100	20000	0.22

END FTABLE363

FTABLE 279

62 5

0.0	0.62	0.00	0.00	1.1
0.1	0.63	0.06	1.52	1.1
0.2	0.65	0.13	4.83	1.1
0.3	0.66	0.19	9.48	1.1
0.4	0.68	0.26	15.30	1.1
0.5	0.69	0.33	22.18	1.1
0.6	0.71	0.40	30.04	1.1
0.7	0.73	0.47	38.85	1.1
0.8	0.74	0.54	48.55	1.1
0.9	0.76	0.62	59.12	1.1
1.0	0.77	0.69	70.54	1.1
1.1	0.79	0.77	82.79	1.1
1.2	0.80	0.85	95.85	1.1
1.3	0.82	0.93	109.71	1.1
1.4	0.83	1.02	124.36	1.1
1.5	0.85	1.10	139.80	1.1
1.6	0.86	1.19	156.03	1.1
1.7	0.88	1.27	173.03	1.1
1.8	0.90	1.36	190.80	1.1
1.9	0.91	1.45	209.36	1.1
2.0	0.93	1.54	228.68	1.1
2.1	0.94	1.64	248.78	1.1
2.2	0.96	1.73	269.65	1.1
2.3	0.97	1.83	291.29	1.1
2.4	0.99	1.93	313.72	1.1
2.5	1.00	2.03	336.92	1.1
2.6	1.02	2.13	360.91	1.1
2.7	1.03	2.23	385.68	1.1
2.8	1.05	2.33	411.24	1.1
2.9	1.07	2.44	437.59	1.1
3.0	1.08	2.55	464.73	1.1
3.1	1.10	2.66	492.68	1.1

3.2	1.11	2.77	521.42	1.1
3.3	1.13	2.88	550.98	1.1
3.4	1.14	2.99	581.35	1.1
3.5	1.16	3.11	612.53	1.1
3.6	1.17	3.22	644.53	1.1
3.7	1.19	3.34	677.36	1.1
3.8	1.20	3.46	711.02	1.1
3.9	1.22	3.58	745.52	1.1
4.0	1.24	3.71	780.85	1.1
4.1	1.25	3.83	817.03	1.1
4.2	1.27	3.96	854.06	1.1
4.3	1.28	4.08	891.95	1.1
4.4	1.30	4.21	930.70	1.1
4.5	1.31	4.34	970.31	1.1
4.6	1.33	4.48	1010.80	1.1
4.7	1.34	4.61	1052.16	1.1
4.8	1.36	4.74	1094.40	1.1
4.9	1.37	4.88	1137.53	1.1
5.0	1.39	5.02	1181.55	1.1
5.1	1.41	5.16	1226.47	1.1
5.2	1.42	5.30	1272.30	1.1
5.3	1.44	5.44	1319.03	1.1
5.4	1.45	5.59	1366.68	1.1
5.5	1.47	5.73	1415.25	1.1
5.6	1.48	5.88	1464.74	1.1
5.7	1.50	6.03	1515.17	1.1
5.8	1.51	6.18	1566.53	1.1
5.9	1.53	6.33	1618.83	1.1
6.0	1.54	6.49	1672.08	1.1
6.1	2	100	20000	1.1

END FTABLE279

FTABLE 223

0.0	0.28	0.00	0.00	6.37
0.1	0.28	0.03	0.32	6.37
0.2	0.29	0.06	1.02	6.37
0.3	0.30	0.09	2.01	6.37
0.4	0.30	0.12	3.24	6.37
0.5	0.31	0.15	4.70	6.37
0.6	0.32	0.18	6.37	6.37
0.7	0.32	0.21	8.24	6.37
0.8	0.33	0.24	10.29	6.37
0.9	0.34	0.28	12.53	6.37
1.0	0.35	0.31	14.95	6.37
1.1	0.35	0.35	17.55	6.37
1.2	0.36	0.38	20.32	6.37
1.3	0.37	0.42	23.26	6.37
1.4	0.37	0.45	26.36	6.37
1.5	0.38	0.49	29.64	6.37
1.6	0.39	0.53	33.08	6.37
1.7	0.39	0.57	36.68	6.37
1.8	0.40	0.61	40.45	6.37
1.9	0.41	0.65	44.38	6.37
2.0	0.41	0.69	48.48	6.37
2.1	0.42	0.73	52.74	6.37
2.2	0.43	0.78	57.17	6.37
2.3	0.44	0.82	61.75	6.37
2.4	0.44	0.86	66.51	6.37
2.5	0.45	0.91	71.43	6.37
2.6	0.46	0.95	76.51	6.37
2.7	0.46	1.00	81.76	6.37
2.8	0.47	1.04	87.18	6.37
2.9	0.48	1.09	92.77	6.37
3.0	0.48	1.14	98.52	6.37
3.1	0.49	1.19	104.45	6.37
3.2	0.50	1.24	110.54	6.37

3.3	0.50	1.29	116.81	6.37
3.4	0.51	1.34	123.25	6.37
3.5	0.52	1.39	129.86	6.37
3.6	0.52	1.44	136.64	6.37
3.7	0.53	1.50	143.60	6.37
3.8	0.54	1.55	150.74	6.37
3.9	0.55	1.60	158.05	6.37
4.0	0.55	1.66	165.54	6.37
4.1	0.56	1.71	173.21	6.37
4.2	0.57	1.77	181.06	6.37
4.3	0.57	1.83	189.09	6.37
4.4	0.58	1.88	197.31	6.37
4.5	0.59	1.94	205.71	6.37
4.6	0.59	2.00	214.29	6.37
4.7	0.60	2.06	223.06	6.37
4.8	0.61	2.12	232.01	6.37
4.9	0.61	2.18	241.16	6.37
5.0	0.62	2.24	250.49	6.37
5.1	0.63	2.31	260.01	6.37
5.2	0.64	2.37	269.73	6.37
5.3	0.64	2.43	279.63	6.37
5.4	0.65	2.50	289.74	6.37
5.5	0.66	2.56	300.03	6.37
5.6	0.66	2.63	310.52	6.37
5.7	0.67	2.70	321.21	6.37
5.8	0.68	2.76	332.10	6.37
5.9	0.68	2.83	343.19	6.37
6.0	0.69	2.90	354.48	6.37
6.1	2	100	20000	6.37

END FTABLE223

FTABLE 225

62 5

0.0	0.29	0.00	0.00	2.42
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0.1	0.29	0.03	0.23	2.42
0.2	0.30	0.06	0.72	2.42
0.3	0.31	0.09	1.42	2.42
0.4	0.31	0.12	2.29	2.42
0.5	0.32	0.15	3.32	2.42
0.6	0.33	0.18	4.50	2.42
0.7	0.34	0.22	5.82	2.42
0.8	0.34	0.25	7.28	2.42
0.9	0.35	0.29	8.86	2.42
1.0	0.36	0.32	10.57	2.42
1.1	0.36	0.36	12.41	2.42
1.2	0.37	0.39	14.37	2.42
1.3	0.38	0.43	16.45	2.42
1.4	0.39	0.47	18.64	2.42
1.5	0.39	0.51	20.96	2.42
1.6	0.40	0.55	23.39	2.42
1.7	0.41	0.59	25.94	2.42
1.8	0.41	0.63	28.60	2.42
1.9	0.42	0.67	31.38	2.42
2.0	0.43	0.71	34.28	2.42
2.1	0.44	0.76	37.29	2.42
2.2	0.44	0.80	40.42	2.42
2.3	0.45	0.85	43.67	2.42
2.4	0.46	0.89	47.03	2.42
2.5	0.46	0.94	50.51	2.42
2.6	0.47	0.98	54.10	2.42
2.7	0.48	1.03	57.82	2.42
2.8	0.49	1.08	61.65	2.42
2.9	0.49	1.13	65.60	2.42
3.0	0.50	1.18	69.67	2.42
3.1	0.51	1.23	73.86	2.42
3.2	0.51	1.28	78.16	2.42
3.3	0.52	1.33	82.60	2.42

3.4	0.53	1.39	87.15	2.42
3.5	0.54	1.44	91.82	2.42
3.6	0.54	1.49	96.62	2.42
3.7	0.55	1.55	101.54	2.42
3.8	0.56	1.60	106.59	2.42
3.9	0.56	1.66	111.76	2.42
4.0	0.57	1.72	117.05	2.42
4.1	0.58	1.77	122.48	2.42
4.2	0.59	1.83	128.03	2.42
4.3	0.59	1.89	133.71	2.42
4.4	0.60	1.95	139.52	2.42
4.5	0.61	2.01	145.46	2.42
4.6	0.61	2.07	151.52	2.42
4.7	0.62	2.13	157.72	2.42
4.8	0.63	2.20	164.06	2.42
4.9	0.64	2.26	170.52	2.42
5.0	0.64	2.32	177.12	2.42
5.1	0.65	2.39	183.86	2.42
5.2	0.66	2.45	190.73	2.42
5.3	0.66	2.52	197.73	2.42
5.4	0.67	2.59	204.87	2.42
5.5	0.68	2.65	212.15	2.42
5.6	0.69	2.72	219.57	2.42
5.7	0.69	2.79	227.13	2.42
5.8	0.70	2.86	234.83	2.42
5.9	0.71	2.93	242.67	2.42
6.0	0.71	3.00	250.66	2.42
6.1	2	100	20000	2.42

END FTABLE225

*** Bettman&Dickey swale, 0.63 acre area, only evaporation occurs, storage of 2.11 acre ft is considered in outflow

FTABLE 221

15 5

0.0	0.63	0.00	0.00	0.00
4.8	0.63	2.11	0.00	1.54
4.9	0.63	2.18	434.75	1.54
5.0	0.63	2.24	451.57	1.54
5.1	0.63	2.30	468.74	1.54
5.2	0.63	2.36	486.26	1.54
5.3	0.63	2.43	504.12	1.54
5.4	0.63	2.49	522.33	1.54
5.5	0.63	2.56	540.89	1.54
5.6	0.63	2.62	559.81	1.54
5.7	0.63	2.69	579.08	1.54
5.8	0.63	2.76	598.71	1.54
5.9	0.63	2.83	618.70	1.54
6.0	0.63	2.89	639.05	1.54
6.1	0.63	100	20000	1.54

END FTABLE221

FTABLE 298

30 4

0.0	0.03	0.00	0.00
0.2	0.03	0.01	2.85
0.6	0.03	0.02	17.73
0.9	0.03	0.03	34.89
1.2	0.03	0.04	56.57
1.5	0.04	0.05	82.51
1.7	0.04	0.06	102.12
2.0	0.04	0.07	134.96
2.2	0.04	0.08	159.14
2.5	0.04	0.09	198.85
2.7	0.04	0.10	227.62
2.9	0.05	0.11	258.26
3.1	0.05	0.12	290.77
3.4	0.05	0.13	343.10

3.6	0.05	0.14	380.39
3.7	0.05	0.15	399.77
3.9	0.05	0.16	439.99
4.1	0.05	0.17	482.20
4.3	0.06	0.18	526.41
4.5	0.06	0.19	572.66
4.7	0.06	0.20	620.96
4.8	0.06	0.21	645.89
5.0	0.06	0.22	697.33
5.2	0.06	0.23	750.89
5.3	0.06	0.24	778.47
5.5	0.06	0.25	835.25
5.6	0.06	0.26	864.46
5.8	0.07	0.27	924.54
6.0	0.07	0.28	986.83
6.1	2	100	20000

END FTABLE298

FTABLE 416

62 5

0.0	0.38	0.00	0.00	0.55
0.1	0.39	0.04	0.69	0.55
0.2	0.40	0.08	2.17	0.55
0.3	0.41	0.12	4.26	0.55
0.4	0.41	0.16	6.88	0.55
0.5	0.42	0.20	9.97	0.55
0.6	0.43	0.24	13.51	0.55
0.7	0.44	0.29	17.47	0.55
0.8	0.45	0.33	21.83	0.55
0.9	0.46	0.38	26.59	0.55
1.0	0.47	0.42	31.72	0.55
1.1	0.48	0.47	37.23	0.55
1.2	0.49	0.52	43.10	0.55
1.3	0.50	0.57	49.34	0.55

1.4	0.51	0.62	55.93	0.55
1.5	0.52	0.67	62.87	0.55
1.6	0.53	0.72	70.17	0.55
1.7	0.54	0.78	77.81	0.55
1.8	0.55	0.83	85.81	0.55
1.9	0.56	0.89	94.15	0.55
2.0	0.57	0.94	102.84	0.55
2.1	0.57	1.00	111.88	0.55
2.2	0.58	1.06	121.27	0.55
2.3	0.59	1.12	131.00	0.55
2.4	0.60	1.18	141.09	0.55
2.5	0.61	1.24	151.52	0.55
2.6	0.62	1.30	162.31	0.55
2.7	0.63	1.36	173.45	0.55
2.8	0.64	1.42	184.94	0.55
2.9	0.65	1.49	196.79	0.55
3.0	0.66	1.55	209.00	0.55
3.1	0.67	1.62	221.57	0.55
3.2	0.68	1.69	234.49	0.55
3.3	0.69	1.76	247.79	0.55
3.4	0.70	1.83	261.44	0.55
3.5	0.71	1.90	275.47	0.55
3.6	0.72	1.97	289.86	0.55
3.7	0.73	2.04	304.62	0.55
3.8	0.73	2.11	319.76	0.55
3.9	0.74	2.19	335.27	0.55
4.0	0.75	2.26	351.16	0.55
4.1	0.76	2.34	367.44	0.55
4.2	0.77	2.41	384.09	0.55
4.3	0.78	2.49	401.13	0.55
4.4	0.79	2.57	418.55	0.55
4.5	0.80	2.65	436.37	0.55
4.6	0.81	2.73	454.57	0.55

4.7	0.82	2.81	473.17	0.55
4.8	0.83	2.89	492.17	0.55
4.9	0.84	2.98	511.57	0.55
5.0	0.85	3.06	531.37	0.55
5.1	0.86	3.15	551.57	0.55
5.2	0.87	3.23	572.18	0.55
5.3	0.88	3.32	593.19	0.55
5.4	0.89	3.41	614.62	0.55
5.5	0.90	3.50	636.46	0.55
5.6	0.90	3.59	658.72	0.55
5.7	0.91	3.68	681.40	0.55
5.8	0.92	3.77	704.50	0.55
5.9	0.93	3.86	728.02	0.55
6.0	0.94	3.96	751.97	0.55
6.1	2	100	20000	0.55

END FTABLE416

*** Glenrose Rd, Stormwater Ponds, 0.37 acre area, only evaporation occur, storage of 1.63 acre ft is considered in outflow

FTABLE 365

42 5

0.0	0.37	0.00	0.00	0.75
2.1	0.37	1.63	0.00	0.75
2.2	0.37	1.72	495.89	0.75
2.3	0.37	1.82	535.70	0.75
2.4	0.37	1.92	576.94	0.75
2.5	0.37	2.01	619.61	0.75
2.6	0.37	2.12	663.72	0.75
2.7	0.37	2.22	709.27	0.75
2.8	0.37	2.32	756.28	0.75
2.9	0.37	2.43	804.73	0.75
3.0	0.37	2.53	854.66	0.75
3.1	0.37	2.64	906.05	0.75
3.2	0.37	2.75	958.91	0.75

3.3	0.37	2.86	1013.27	0.75
3.4	0.37	2.97	1069.11	0.75
3.5	0.37	3.09	1126.46	0.75
3.6	0.37	3.20	1185.31	0.75
3.7	0.37	3.32	1245.69	0.75
3.8	0.37	3.44	1307.59	0.75
3.9	0.37	3.56	1371.03	0.75
4.0	0.37	3.68	1436.01	0.75
4.1	0.37	3.81	1502.55	0.75
4.2	0.37	3.93	1570.65	0.75
4.3	0.37	4.06	1640.32	0.75
4.4	0.37	4.19	1711.58	0.75
4.5	0.37	4.32	1784.43	0.75
4.6	0.37	4.45	1858.88	0.75
4.7	0.37	4.58	1934.94	0.75
4.8	0.37	4.72	2012.63	0.75
4.9	0.37	4.85	2091.95	0.75
5.0	0.37	4.99	2172.91	0.75
5.1	0.37	5.13	2255.52	0.75
5.2	0.37	5.27	2339.79	0.75
5.3	0.37	5.41	2425.74	0.75
5.4	0.37	5.55	2513.36	0.75
5.5	0.37	5.70	2602.68	0.75
5.6	0.37	5.84	2693.70	0.75
5.7	0.37	5.99	2786.43	0.75
5.8	0.37	6.14	2880.89	0.75
5.9	0.37	6.29	2977.07	0.75
6.0	0.37	6.45	3075.00	0.75
6.1	0.37	100	20000	0.75

END FTABLE365

FTABLE 351

62 5

0.0	0.28	0.00	0.00	0.33
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0.1	0.28	0.03	1.30	0.33
0.2	0.29	0.06	4.13	0.33
0.3	0.30	0.09	8.10	0.33
0.4	0.30	0.12	13.07	0.33
0.5	0.31	0.15	18.95	0.33
0.6	0.32	0.18	25.67	0.33
0.7	0.33	0.21	33.20	0.33
0.8	0.33	0.24	41.49	0.33
0.9	0.34	0.28	50.53	0.33
1.0	0.35	0.31	60.28	0.33
1.1	0.35	0.35	70.75	0.33
1.2	0.36	0.38	81.91	0.33
1.3	0.37	0.42	93.76	0.33
1.4	0.37	0.46	106.28	0.33
1.5	0.38	0.49	119.48	0.33
1.6	0.39	0.53	133.34	0.33
1.7	0.39	0.57	147.87	0.33
1.8	0.40	0.61	163.06	0.33
1.9	0.41	0.65	178.91	0.33
2.0	0.42	0.69	195.43	0.33
2.1	0.42	0.73	212.60	0.33
2.2	0.43	0.78	230.44	0.33
2.3	0.44	0.82	248.94	0.33
2.4	0.44	0.86	268.10	0.33
2.5	0.45	0.91	287.93	0.33
2.6	0.46	0.95	308.43	0.33
2.7	0.46	1.00	329.60	0.33
2.8	0.47	1.05	351.44	0.33
2.9	0.48	1.09	373.96	0.33
3.0	0.48	1.14	397.16	0.33
3.1	0.49	1.19	421.04	0.33
3.2	0.50	1.24	445.61	0.33
3.3	0.51	1.29	470.87	0.33

3.4	0.51	1.34	496.82	0.33
3.5	0.52	1.39	523.47	0.33
3.6	0.53	1.45	550.82	0.33
3.7	0.53	1.50	578.87	0.33
3.8	0.54	1.55	607.64	0.33
3.9	0.55	1.61	637.12	0.33
4.0	0.55	1.66	667.31	0.33
4.1	0.56	1.72	698.23	0.33
4.2	0.57	1.77	729.88	0.33
4.3	0.57	1.83	762.26	0.33
4.4	0.58	1.89	795.37	0.33
4.5	0.59	1.95	829.23	0.33
4.6	0.60	2.01	863.82	0.33
4.7	0.60	2.07	899.17	0.33
4.8	0.61	2.13	935.27	0.33
4.9	0.62	2.19	972.13	0.33
5.0	0.62	2.25	1009.75	0.33
5.1	0.63	2.31	1048.14	0.33
5.2	0.64	2.38	1087.30	0.33
5.3	0.64	2.44	1127.24	0.33
5.4	0.65	2.50	1167.96	0.33
5.5	0.66	2.57	1209.47	0.33
5.6	0.66	2.64	1251.76	0.33
5.7	0.67	2.70	1294.86	0.33
5.8	0.68	2.77	1338.75	0.33
5.9	0.69	2.84	1383.45	0.33
6.0	0.69	2.91	1428.96	0.33
6.1	2	100	20000	0.33

END FTABLE351

FTABLE 319

62 4

0.0	0.72	0.00	0.00
0.1	0.74	0.07	2.57

0.2	0.75	0.15	8.13
0.3	0.77	0.22	15.95
0.4	0.79	0.30	25.74
0.5	0.81	0.38	37.31
0.6	0.83	0.46	50.55
0.7	0.84	0.55	65.37
0.8	0.86	0.63	81.69
0.9	0.88	0.72	99.48
1.0	0.90	0.81	118.70
1.1	0.92	0.90	139.30
1.2	0.93	0.99	161.28
1.3	0.95	1.09	184.60
1.4	0.97	1.18	209.26
1.5	0.99	1.28	235.25
1.6	1.01	1.38	262.55
1.7	1.02	1.48	291.15
1.8	1.04	1.59	321.07
1.9	1.06	1.69	352.28
2.0	1.08	1.80	384.80
2.1	1.10	1.91	418.61
2.2	1.11	2.02	453.74
2.3	1.13	2.13	490.16
2.4	1.15	2.24	527.89
2.5	1.17	2.36	566.94
2.6	1.19	2.48	607.30
2.7	1.20	2.60	648.98
2.8	1.22	2.72	691.99
2.9	1.24	2.84	736.33
3.0	1.26	2.97	782.00
3.1	1.28	3.09	829.02
3.2	1.29	3.22	877.40
3.3	1.31	3.35	927.13
3.4	1.33	3.48	978.23

3.5	1.35	3.62	1030.70
3.6	1.37	3.75	1084.55
3.7	1.38	3.89	1139.79
3.8	1.40	4.03	1196.43
3.9	1.42	4.17	1254.48
4.0	1.44	4.31	1313.94
4.1	1.46	4.46	1374.82
4.2	1.47	4.60	1437.13
4.3	1.49	4.75	1500.88
4.4	1.51	4.90	1566.08
4.5	1.53	5.05	1632.74
4.6	1.55	5.21	1700.86
4.7	1.56	5.36	1770.46
4.8	1.58	5.52	1841.54
4.9	1.60	5.68	1914.11
5.0	1.62	5.84	1988.19
5.1	1.64	6.00	2063.78
5.2	1.65	6.17	2140.89
5.3	1.67	6.33	2219.53
5.4	1.69	6.50	2299.70
5.5	1.71	6.67	2381.43
5.6	1.73	6.84	2464.71
5.7	1.74	7.02	2549.56
5.8	1.76	7.19	2635.99
5.9	1.78	7.37	2724.00
6.0	1.80	7.55	2813.60
6.1	2	100	20000

END FTABLE319

FTABLE 415

62 4

0.0	0.29	0.00	0.00
0.1	0.30	0.03	1.59
0.2	0.30	0.06	5.04

0.3	0.31	0.09	9.90
0.4	0.32	0.12	15.97
0.5	0.32	0.15	23.15
0.6	0.33	0.19	31.36
0.7	0.34	0.22	40.56
0.8	0.35	0.25	50.69
0.9	0.35	0.29	61.72
1.0	0.36	0.32	73.64
1.1	0.37	0.36	86.43
1.2	0.38	0.40	100.06
1.3	0.38	0.44	114.53
1.4	0.39	0.47	129.83
1.5	0.40	0.51	145.95
1.6	0.40	0.55	162.89
1.7	0.41	0.59	180.64
1.8	0.42	0.64	199.20
1.9	0.43	0.68	218.56
2.0	0.43	0.72	238.74
2.1	0.44	0.77	259.72
2.2	0.45	0.81	281.51
2.3	0.45	0.85	304.11
2.4	0.46	0.90	327.52
2.5	0.47	0.95	351.74
2.6	0.48	0.99	376.78
2.7	0.48	1.04	402.64
2.8	0.49	1.09	429.32
2.9	0.50	1.14	456.83
3.0	0.51	1.19	485.17
3.1	0.51	1.24	514.34
3.2	0.52	1.29	544.35
3.3	0.53	1.35	575.21
3.4	0.53	1.40	606.91
3.5	0.54	1.45	639.47

3.6	0.55	1.51	672.88
3.7	0.56	1.56	707.15
3.8	0.56	1.62	742.29
3.9	0.57	1.67	778.30
4.0	0.58	1.73	815.19
4.1	0.58	1.79	852.96
4.2	0.59	1.85	891.62
4.3	0.60	1.91	931.18
4.4	0.61	1.97	971.63
4.5	0.61	2.03	1012.98
4.6	0.62	2.09	1055.25
4.7	0.63	2.15	1098.43
4.8	0.64	2.22	1142.53
4.9	0.64	2.28	1187.55
5.0	0.65	2.35	1233.51
5.1	0.66	2.41	1280.41
5.2	0.66	2.48	1328.25
5.3	0.67	2.54	1377.04
5.4	0.68	2.61	1426.78
5.5	0.69	2.68	1477.49
5.6	0.69	2.75	1529.16
5.7	0.70	2.82	1581.80
5.8	0.71	2.89	1635.42
5.9	0.71	2.96	1690.02
6.0	0.72	3.03	1745.61
6.1	2	100	20000

END FTABLE415

FTABLE 303

13 4

0.0	0.01	0.00	0.00
0.5	0.01	0.01	0.74
1.3	0.01	0.02	3.68
2.0	0.02	0.03	7.67

2.6	0.02	0.04	12.10
3.1	0.02	0.05	16.51
3.6	0.02	0.06	21.60
4.1	0.02	0.07	27.39
4.6	0.02	0.08	33.88
5.0	0.02	0.09	39.61
5.4	0.02	0.10	45.81
5.8	0.03	0.11	52.51
6.1	2	100	20000

END FTABLE303

FTABLE 304

62 4

0.0	0.34	0.00	0.00
0.1	0.35	0.03	2.13
0.2	0.36	0.07	6.75
0.3	0.37	0.11	13.26
0.4	0.38	0.14	21.39
0.5	0.39	0.18	31.01
0.6	0.39	0.22	42.01
0.7	0.40	0.26	54.32
0.8	0.41	0.30	67.88
0.9	0.42	0.34	82.67
1.0	0.43	0.39	98.63
1.1	0.44	0.43	115.75
1.2	0.45	0.47	134.01
1.3	0.45	0.52	153.40
1.4	0.46	0.56	173.89
1.5	0.47	0.61	195.48
1.6	0.48	0.66	218.16
1.7	0.49	0.71	241.93
1.8	0.50	0.76	266.79
1.9	0.51	0.81	292.73
2.0	0.51	0.86	319.75

2.1	0.52	0.91	347.85
2.2	0.53	0.96	377.03
2.3	0.54	1.01	407.30
2.4	0.55	1.07	438.65
2.5	0.56	1.12	471.10
2.6	0.56	1.18	504.63
2.7	0.57	1.24	539.27
2.8	0.58	1.29	575.01
2.9	0.59	1.35	611.85
3.0	0.60	1.41	649.80
3.1	0.61	1.47	688.88
3.2	0.62	1.53	729.07
3.3	0.62	1.60	770.40
3.4	0.63	1.66	812.86
3.5	0.64	1.72	856.46
3.6	0.65	1.79	901.21
3.7	0.66	1.85	947.11
3.8	0.67	1.92	994.17
3.9	0.68	1.99	1042.41
4.0	0.68	2.05	1091.81
4.1	0.69	2.12	1142.40
4.2	0.70	2.19	1194.18
4.3	0.71	2.26	1247.15
4.4	0.72	2.34	1301.33
4.5	0.73	2.41	1356.72
4.6	0.74	2.48	1413.33
4.7	0.74	2.55	1471.16
4.8	0.75	2.63	1530.23
4.9	0.76	2.71	1590.53
5.0	0.77	2.78	1652.09
5.1	0.78	2.86	1714.90
5.2	0.79	2.94	1778.97
5.3	0.80	3.02	1844.31

5.4	0.80	3.10	1910.94
5.5	0.81	3.18	1978.85
5.6	0.82	3.26	2048.05
5.7	0.83	3.34	2118.56
5.8	0.84	3.43	2190.37
5.9	0.85	3.51	2263.50
6.0	0.86	3.60	2337.96
6.1	2	100	20000

END FTABLE304

FTABLE 296

62 4

0.0	0.30	0.00	0.00
0.1	0.31	0.03	1.71
0.2	0.31	0.06	5.42
0.3	0.32	0.09	10.64
0.4	0.33	0.13	17.16
0.5	0.34	0.16	24.88
0.6	0.34	0.19	33.70
0.7	0.35	0.23	43.58
0.8	0.36	0.26	54.46
0.9	0.37	0.30	66.32
1.0	0.37	0.34	79.13
1.1	0.38	0.37	92.87
1.2	0.39	0.41	107.52
1.3	0.40	0.45	123.07
1.4	0.40	0.49	139.51
1.5	0.41	0.53	156.83
1.6	0.42	0.57	175.03
1.7	0.43	0.62	194.10
1.8	0.43	0.66	214.04
1.9	0.44	0.70	234.85
2.0	0.45	0.75	256.53
2.1	0.46	0.79	279.08

2.2	0.46	0.84	302.49
2.3	0.47	0.89	326.77
2.4	0.48	0.93	351.93
2.5	0.49	0.98	377.96
2.6	0.49	1.03	404.87
2.7	0.50	1.08	432.65
2.8	0.51	1.13	461.32
2.9	0.52	1.18	490.88
3.0	0.52	1.23	521.33
3.1	0.53	1.29	552.68
3.2	0.54	1.34	584.93
3.3	0.55	1.40	618.09
3.4	0.55	1.45	652.15
3.5	0.56	1.51	687.13
3.6	0.57	1.56	723.03
3.7	0.58	1.62	759.86
3.8	0.58	1.68	797.62
3.9	0.59	1.74	836.32
4.0	0.60	1.80	875.96
4.1	0.61	1.86	916.54
4.2	0.61	1.92	958.09
4.3	0.62	1.98	1000.59
4.4	0.63	2.04	1044.05
4.5	0.64	2.10	1088.49
4.6	0.64	2.17	1133.91
4.7	0.65	2.23	1180.31
4.8	0.66	2.30	1227.69
4.9	0.67	2.36	1276.08
5.0	0.67	2.43	1325.46
5.1	0.68	2.50	1375.85
5.2	0.69	2.57	1427.26
5.3	0.70	2.64	1479.69
5.4	0.70	2.71	1533.14

5.5	0.71	2.78	1587.62
5.6	0.72	2.85	1643.14
5.7	0.73	2.92	1699.71
5.8	0.73	2.99	1757.32
5.9	0.74	3.07	1816.00
6.0	0.75	3.14	1875.73
6.1	2	100	20000

END FTABLE296

FTABLE 295

62 4

0.0	0.16	0.00	0.00
0.1	0.16	0.02	1.42
0.2	0.17	0.03	4.49
0.3	0.17	0.05	8.82
0.4	0.18	0.07	14.23
0.5	0.18	0.09	20.63
0.6	0.18	0.10	27.94
0.7	0.19	0.12	36.13
0.8	0.19	0.14	45.16
0.9	0.20	0.16	54.99
1.0	0.20	0.18	65.61
1.1	0.20	0.20	77.00
1.2	0.21	0.22	89.15
1.3	0.21	0.24	102.04
1.4	0.22	0.26	115.67
1.5	0.22	0.29	130.04
1.6	0.22	0.31	145.13
1.7	0.23	0.33	160.94
1.8	0.23	0.35	177.48
1.9	0.24	0.38	194.73
2.0	0.24	0.40	212.70
2.1	0.24	0.42	231.40
2.2	0.25	0.45	250.81

2.3	0.25	0.47	270.95
2.4	0.26	0.50	291.80
2.5	0.26	0.53	313.39
2.6	0.26	0.55	335.70
2.7	0.27	0.58	358.74
2.8	0.27	0.61	382.51
2.9	0.28	0.63	407.02
3.0	0.28	0.66	432.27
3.1	0.28	0.69	458.26
3.2	0.29	0.72	485.00
3.3	0.29	0.75	512.49
3.4	0.30	0.78	540.74
3.5	0.30	0.81	569.74
3.6	0.30	0.84	599.51
3.7	0.31	0.87	630.04
3.8	0.31	0.90	661.35
3.9	0.32	0.93	693.44
4.0	0.32	0.96	726.31
4.1	0.32	0.99	759.96
4.2	0.33	1.03	794.40
4.3	0.33	1.06	829.64
4.4	0.34	1.09	865.68
4.5	0.34	1.13	902.53
4.6	0.34	1.16	940.19
4.7	0.35	1.19	978.66
4.8	0.35	1.23	1017.95
4.9	0.36	1.26	1058.07
5.0	0.36	1.30	1099.01
5.1	0.36	1.34	1140.80
5.2	0.37	1.37	1183.42
5.3	0.37	1.41	1226.89
5.4	0.38	1.45	1271.21
5.5	0.38	1.49	1316.39

5.6	0.38	1.52	1362.42
5.7	0.39	1.56	1409.32
5.8	0.39	1.60	1457.10
5.9	0.40	1.64	1505.75
6.0	0.40	1.68	1555.28
6.1	2	100	20000

END FTABLE295

FTABLE 292

62 4

0.0	0.11	0.00	0.00
0.1	0.11	0.01	0.97
0.2	0.12	0.02	3.07
0.3	0.12	0.03	6.03
0.4	0.12	0.05	9.73
0.5	0.13	0.06	14.10
0.6	0.13	0.07	19.11
0.7	0.13	0.09	24.71
0.8	0.13	0.10	30.88
0.9	0.14	0.11	37.60
1.0	0.14	0.13	44.86
1.1	0.14	0.14	52.65
1.2	0.15	0.15	60.96
1.3	0.15	0.17	69.77
1.4	0.15	0.18	79.09
1.5	0.15	0.20	88.91
1.6	0.16	0.21	99.23
1.7	0.16	0.23	110.05
1.8	0.16	0.25	121.35
1.9	0.16	0.26	133.15
2.0	0.17	0.28	145.44
2.1	0.17	0.30	158.22
2.2	0.17	0.31	171.50
2.3	0.18	0.33	185.26

2.4	0.18	0.35	199.52
2.5	0.18	0.37	214.28
2.6	0.18	0.39	229.54
2.7	0.19	0.40	245.29
2.8	0.19	0.42	261.55
2.9	0.19	0.44	278.30
3.0	0.20	0.46	295.57
3.1	0.20	0.48	313.34
3.2	0.20	0.50	331.63
3.3	0.20	0.52	350.42
3.4	0.21	0.54	369.74
3.5	0.21	0.56	389.57
3.6	0.21	0.58	409.92
3.7	0.22	0.60	430.80
3.8	0.22	0.63	452.21
3.9	0.22	0.65	474.15
4.0	0.22	0.67	496.62
4.1	0.23	0.69	519.63
4.2	0.23	0.72	543.18
4.3	0.23	0.74	567.28
4.4	0.23	0.76	591.92
4.5	0.24	0.79	617.12
4.6	0.24	0.81	642.86
4.7	0.24	0.83	669.17
4.8	0.25	0.86	696.04
4.9	0.25	0.88	723.47
5.0	0.25	0.91	751.47
5.1	0.25	0.93	780.04
5.2	0.26	0.96	809.18
5.3	0.26	0.98	838.90
5.4	0.26	1.01	869.21
5.5	0.27	1.04	900.10
5.6	0.27	1.06	931.57

5.7	0.27	1.09	963.64
5.8	0.27	1.12	996.31
5.9	0.28	1.15	1029.57
6.0	0.28	1.17	1063.44
6.1	2	100	20000

END FTABLE292

FTABLE 291

62 4

0.0	0.09	0.00	0.00
0.1	0.10	0.01	1.11
0.2	0.10	0.02	3.51
0.3	0.10	0.03	6.89
0.4	0.10	0.04	11.12
0.5	0.11	0.05	16.11
0.6	0.11	0.06	21.83
0.7	0.11	0.07	28.23
0.8	0.11	0.08	35.28
0.9	0.12	0.09	42.96
1.0	0.12	0.11	51.26
1.1	0.12	0.12	60.16
1.2	0.12	0.13	69.65
1.3	0.13	0.14	79.72
1.4	0.13	0.16	90.37
1.5	0.13	0.17	101.60
1.6	0.13	0.18	113.38
1.7	0.13	0.20	125.74
1.8	0.14	0.21	138.66
1.9	0.14	0.22	152.14
2.0	0.14	0.24	166.18
2.1	0.14	0.25	180.79
2.2	0.15	0.27	195.95
2.3	0.15	0.28	211.68
2.4	0.15	0.30	227.98

2.5	0.15	0.31	244.84
2.6	0.16	0.33	262.27
2.7	0.16	0.34	280.27
2.8	0.16	0.36	298.85
2.9	0.16	0.37	317.99
3.0	0.17	0.39	337.72
3.1	0.17	0.41	358.03
3.2	0.17	0.42	378.92
3.3	0.17	0.44	400.40
3.4	0.18	0.46	422.46
3.5	0.18	0.48	445.12
3.6	0.18	0.49	468.38
3.7	0.18	0.51	492.24
3.8	0.18	0.53	516.70
3.9	0.19	0.55	541.77
4.0	0.19	0.57	567.44
4.1	0.19	0.59	593.74
4.2	0.19	0.61	620.65
4.3	0.20	0.63	648.18
4.4	0.20	0.65	676.34
4.5	0.20	0.67	705.12
4.6	0.20	0.69	734.54
4.7	0.21	0.71	764.60
4.8	0.21	0.73	795.30
4.9	0.21	0.75	826.64
5.0	0.21	0.77	858.63
5.1	0.22	0.79	891.28
5.2	0.22	0.81	924.58
5.3	0.22	0.83	958.54
5.4	0.22	0.86	993.16
5.5	0.22	0.88	1028.46
5.6	0.23	0.90	1064.42
5.7	0.23	0.92	1101.07

5.8	0.23	0.95	1138.39
5.9	0.23	0.97	1176.40
6.0	0.24	0.99	1215.10
6.1	2	100	20000

END FTABLE291

FTABLE 280

62 4

0.0	0.64	0.00	0.00
0.1	0.66	0.07	1.13
0.2	0.68	0.13	3.58
0.3	0.69	0.20	7.03
0.4	0.71	0.27	11.35
0.5	0.72	0.34	16.45
0.6	0.74	0.42	22.29
0.7	0.76	0.49	28.82
0.8	0.77	0.57	36.02
0.9	0.79	0.65	43.87
1.0	0.81	0.72	52.34
1.1	0.82	0.81	61.43
1.2	0.84	0.89	71.12
1.3	0.85	0.97	81.40
1.4	0.87	1.06	92.28
1.5	0.89	1.15	103.73
1.6	0.90	1.24	115.77
1.7	0.92	1.33	128.39
1.8	0.93	1.42	141.58
1.9	0.95	1.52	155.34
2.0	0.97	1.61	169.68
2.1	0.98	1.71	184.59
2.2	1.00	1.81	200.08
2.3	1.01	1.91	216.14
2.4	1.03	2.01	232.78
2.5	1.05	2.11	250.00

2.6	1.06	2.22	267.79
2.7	1.08	2.33	286.17
2.8	1.10	2.44	305.14
2.9	1.11	2.55	324.69
3.0	1.13	2.66	344.83
3.1	1.14	2.77	365.57
3.2	1.16	2.89	386.90
3.3	1.18	3.00	408.83
3.4	1.19	3.12	431.36
3.5	1.21	3.24	454.50
3.6	1.22	3.36	478.24
3.7	1.24	3.49	502.60
3.8	1.26	3.61	527.58
3.9	1.27	3.74	553.17
4.0	1.29	3.87	579.39
4.1	1.30	4.00	606.24
4.2	1.32	4.13	633.71
4.3	1.34	4.26	661.83
4.4	1.35	4.40	690.58
4.5	1.37	4.53	719.97
4.6	1.39	4.67	750.01
4.7	1.40	4.81	780.70
4.8	1.42	4.95	812.04
4.9	1.43	5.09	844.05
5.0	1.45	5.24	876.71
5.1	1.47	5.38	910.04
5.2	1.48	5.53	944.04
5.3	1.50	5.68	978.72
5.4	1.51	5.83	1014.07
5.5	1.53	5.98	1050.11
5.6	1.55	6.14	1086.84
5.7	1.56	6.29	1124.25
5.8	1.58	6.45	1162.36

5.9	1.59	6.61	1201.17
6.0	1.61	6.77	1240.68
6.1	2	100	20000

END FTABLE280

FTABLE 264

62 4

0.0	0.18	0.00	0.00
0.1	0.18	0.02	0.69
0.2	0.19	0.04	2.17
0.3	0.19	0.06	4.26
0.4	0.20	0.08	6.88
0.5	0.20	0.10	9.97
0.6	0.21	0.12	13.51
0.7	0.21	0.14	17.47
0.8	0.22	0.16	21.83
0.9	0.22	0.18	26.59
1.0	0.22	0.20	31.72
1.1	0.23	0.22	37.23
1.2	0.23	0.25	43.10
1.3	0.24	0.27	49.34
1.4	0.24	0.30	55.93
1.5	0.25	0.32	62.87
1.6	0.25	0.34	70.17
1.7	0.26	0.37	77.81
1.8	0.26	0.40	85.81
1.9	0.26	0.42	94.15
2.0	0.27	0.45	102.84
2.1	0.27	0.48	111.88
2.2	0.28	0.50	121.27
2.3	0.28	0.53	131.00
2.4	0.29	0.56	141.09
2.5	0.29	0.59	151.52
2.6	0.30	0.62	162.31

2.7	0.30	0.65	173.45
2.8	0.31	0.68	184.94
2.9	0.31	0.71	196.79
3.0	0.31	0.74	209.00
3.1	0.32	0.77	221.57
3.2	0.32	0.80	234.49
3.3	0.33	0.84	247.79
3.4	0.33	0.87	261.44
3.5	0.34	0.90	275.47
3.6	0.34	0.94	289.86
3.7	0.35	0.97	304.62
3.8	0.35	1.01	319.76
3.9	0.35	1.04	335.27
4.0	0.36	1.08	351.16
4.1	0.36	1.11	367.44
4.2	0.37	1.15	384.09
4.3	0.37	1.19	401.13
4.4	0.38	1.23	418.55
4.5	0.38	1.26	436.37
4.6	0.39	1.30	454.57
4.7	0.39	1.34	473.17
4.8	0.40	1.38	492.17
4.9	0.40	1.42	511.57
5.0	0.40	1.46	531.37
5.1	0.41	1.50	551.57
5.2	0.41	1.54	572.18
5.3	0.42	1.58	593.19
5.4	0.42	1.63	614.62
5.5	0.43	1.67	636.46
5.6	0.43	1.71	658.72
5.7	0.44	1.75	681.40
5.8	0.44	1.80	704.50
5.9	0.44	1.84	728.02

6.0 0.45 1.89 751.97

6.1 2 100 20000

END FTABLE264

FTABLE 350

25 5

0.0	0.02	0.00	0.00	2.09
0.3	0.02	0.01	8.35	2.09
0.7	0.03	0.02	34.20	2.09
1.1	0.03	0.03	72.89	2.09
1.4	0.03	0.04	109.50	2.09
1.7	0.03	0.05	152.35	2.09
2.0	0.03	0.06	201.35	2.09
2.3	0.03	0.07	256.49	2.09
2.6	0.04	0.08	317.78	2.09
2.9	0.04	0.09	385.30	2.09
3.2	0.04	0.10	459.11	2.09
3.4	0.04	0.11	511.88	2.09
3.7	0.04	0.12	596.42	2.09
3.9	0.04	0.13	656.43	2.09
4.1	0.04	0.14	719.40	2.09
4.3	0.05	0.15	785.36	2.09
4.6	0.05	0.16	890.01	2.09
4.8	0.05	0.17	963.62	2.09
5.0	0.05	0.18	1040.36	2.09
5.2	0.05	0.19	1120.26	2.09
5.4	0.05	0.20	1203.36	2.09
5.6	0.05	0.21	1289.71	2.09
5.8	0.05	0.22	1379.33	2.09
5.9	0.05	0.23	1425.38	2.09
6.1	2	100	20000	2.09

END FTABLE350

FTABLE 276

62 5

0.0	0.59	0.00	0.00	2.31
0.1	0.60	0.06	1.73	2.31
0.2	0.62	0.12	5.47	2.31
0.3	0.63	0.18	10.73	2.31
0.4	0.65	0.25	17.31	2.31
0.5	0.66	0.31	25.10	2.31
0.6	0.68	0.38	34.00	2.31
0.7	0.69	0.45	43.97	2.31
0.8	0.71	0.52	54.95	2.31
0.9	0.72	0.59	66.91	2.31
1.0	0.74	0.66	79.84	2.31
1.1	0.75	0.74	93.69	2.31
1.2	0.76	0.81	108.47	2.31
1.3	0.78	0.89	124.16	2.31
1.4	0.79	0.97	140.75	2.31
1.5	0.81	1.05	158.23	2.31
1.6	0.82	1.13	176.59	2.31
1.7	0.84	1.21	195.83	2.31
1.8	0.85	1.30	215.95	2.31
1.9	0.87	1.38	236.94	2.31
2.0	0.88	1.47	258.81	2.31
2.1	0.90	1.56	281.56	2.31
2.2	0.91	1.65	305.18	2.31
2.3	0.93	1.74	329.68	2.31
2.4	0.94	1.84	355.06	2.31
2.5	0.96	1.93	381.32	2.31
2.6	0.97	2.03	408.46	2.31
2.7	0.99	2.12	436.50	2.31
2.8	1.00	2.22	465.42	2.31
2.9	1.01	2.32	495.25	2.31
3.0	1.03	2.43	525.97	2.31
3.1	1.04	2.53	557.60	2.31
3.2	1.06	2.64	590.13	2.31

3.3	1.07	2.74	623.58	2.31
3.4	1.09	2.85	657.95	2.31
3.5	1.10	2.96	693.24	2.31
3.6	1.12	3.07	729.46	2.31
3.7	1.13	3.18	766.62	2.31
3.8	1.15	3.30	804.71	2.31
3.9	1.16	3.41	843.75	2.31
4.0	1.18	3.53	883.74	2.31
4.1	1.19	3.65	924.69	2.31
4.2	1.21	3.77	966.60	2.31
4.3	1.22	3.89	1009.48	2.31
4.4	1.24	4.01	1053.33	2.31
4.5	1.25	4.14	1098.17	2.31
4.6	1.26	4.26	1143.99	2.31
4.7	1.28	4.39	1190.80	2.31
4.8	1.29	4.52	1238.61	2.31
4.9	1.31	4.65	1287.42	2.31
5.0	1.32	4.78	1337.24	2.31
5.1	1.34	4.91	1388.08	2.31
5.2	1.35	5.05	1439.95	2.31
5.3	1.37	5.18	1492.84	2.31
5.4	1.38	5.32	1546.76	2.31
5.5	1.40	5.46	1601.73	2.31
5.6	1.41	5.60	1657.75	2.31
5.7	1.43	5.74	1714.82	2.31
5.8	1.44	5.89	1772.95	2.31
5.9	1.46	6.03	1832.14	2.31
6.0	1.47	6.18	1892.41	2.31
6.1	2	100	20000	2.31

END FTABLE276

FTABLE 293

62 5

0.0	0.48	0.00	0.00	3.3
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0.1	0.49	0.05	1.33	3.3
0.2	0.50	0.10	4.22	3.3
0.3	0.51	0.15	8.29	3.3
0.4	0.53	0.20	13.37	3.3
0.5	0.54	0.25	19.38	3.3
0.6	0.55	0.31	26.26	3.3
0.7	0.56	0.36	33.96	3.3
0.8	0.57	0.42	42.44	3.3
0.9	0.59	0.48	51.68	3.3
1.0	0.60	0.54	61.66	3.3
1.1	0.61	0.60	72.36	3.3
1.2	0.62	0.66	83.78	3.3
1.3	0.63	0.72	95.89	3.3
1.4	0.65	0.79	108.70	3.3
1.5	0.66	0.85	122.20	3.3
1.6	0.67	0.92	136.38	3.3
1.7	0.68	0.99	151.24	3.3
1.8	0.69	1.05	166.78	3.3
1.9	0.71	1.12	183.00	3.3
2.0	0.72	1.20	199.89	3.3
2.1	0.73	1.27	217.45	3.3
2.2	0.74	1.34	235.70	3.3
2.3	0.75	1.42	254.62	3.3
2.4	0.77	1.49	274.22	3.3
2.5	0.78	1.57	294.50	3.3
2.6	0.79	1.65	315.47	3.3
2.7	0.80	1.73	337.12	3.3
2.8	0.81	1.81	359.46	3.3
2.9	0.83	1.89	382.49	3.3
3.0	0.84	1.97	406.22	3.3
3.1	0.85	2.06	430.65	3.3
3.2	0.86	2.14	455.78	3.3
3.3	0.87	2.23	481.61	3.3

3.4	0.88	2.32	508.15	3.3
3.5	0.90	2.41	535.41	3.3
3.6	0.91	2.50	563.38	3.3
3.7	0.92	2.59	592.08	3.3
3.8	0.93	2.68	621.50	3.3
3.9	0.94	2.78	651.65	3.3
4.0	0.96	2.87	682.54	3.3
4.1	0.97	2.97	714.17	3.3
4.2	0.98	3.06	746.53	3.3
4.3	0.99	3.16	779.65	3.3
4.4	1.00	3.26	813.52	3.3
4.5	1.02	3.36	848.15	3.3
4.6	1.03	3.47	883.53	3.3
4.7	1.04	3.57	919.69	3.3
4.8	1.05	3.67	956.61	3.3
4.9	1.06	3.78	994.31	3.3
5.0	1.08	3.89	1032.79	3.3
5.1	1.09	4.00	1072.06	3.3
5.2	1.10	4.10	1112.11	3.3
5.3	1.11	4.22	1152.96	3.3
5.4	1.12	4.33	1194.61	3.3
5.5	1.14	4.44	1237.06	3.3
5.6	1.15	4.55	1280.33	3.3
5.7	1.16	4.67	1324.40	3.3
5.8	1.17	4.79	1369.30	3.3
5.9	1.18	4.90	1415.01	3.3
6.0	1.20	5.02	1461.56	3.3
6.1	2	100	20000	3.3

END FTABLE293

FTABLE 372

62 4

0.0	0.95	0.00	0.00
0.1	0.97	0.10	2.14

0.2	1.00	0.19	6.79
0.3	1.02	0.30	13.33
0.4	1.04	0.40	21.51
0.5	1.07	0.50	31.18
0.6	1.09	0.61	42.25
0.7	1.12	0.72	54.63
0.8	1.14	0.84	68.27
0.9	1.16	0.95	83.14
1.0	1.19	1.07	99.20
1.1	1.21	1.19	116.42
1.2	1.23	1.31	134.78
1.3	1.26	1.44	154.28
1.4	1.28	1.56	174.88
1.5	1.31	1.69	196.60
1.6	1.33	1.82	219.41
1.7	1.35	1.96	243.32
1.8	1.38	2.09	268.32
1.9	1.40	2.23	294.41
2.0	1.42	2.37	321.58
2.1	1.45	2.52	349.84
2.2	1.47	2.66	379.19
2.3	1.50	2.81	409.63
2.4	1.52	2.96	441.17
2.5	1.54	3.12	473.80
2.6	1.57	3.27	507.53
2.7	1.59	3.43	542.36
2.8	1.61	3.59	578.30
2.9	1.64	3.75	615.35
3.0	1.66	3.92	653.53
3.1	1.69	4.09	692.82
3.2	1.71	4.26	733.25
3.3	1.73	4.43	774.81
3.4	1.76	4.60	817.52

3.5	1.78	4.78	861.37
3.6	1.80	4.96	906.37
3.7	1.83	5.14	952.54
3.8	1.85	5.32	999.87
3.9	1.88	5.51	1048.38
4.0	1.90	5.70	1098.07
4.1	1.92	5.89	1148.95
4.2	1.95	6.08	1201.02
4.3	1.97	6.28	1254.30
4.4	1.99	6.48	1308.79
4.5	2.02	6.68	1364.50
4.6	2.04	6.88	1421.43
4.7	2.07	7.09	1479.59
4.8	2.09	7.29	1538.99
4.9	2.11	7.50	1599.65
5.0	2.14	7.72	1661.55
5.1	2.16	7.93	1724.72
5.2	2.18	8.15	1789.16
5.3	2.21	8.37	1854.88
5.4	2.23	8.59	1921.89
5.5	2.26	8.82	1990.19
5.6	2.28	9.04	2059.79
5.7	2.30	9.27	2130.70
5.8	2.33	9.50	2202.92
5.9	2.35	9.74	2276.47
6.0	2.37	9.97	2351.36
6.1	2	100	20000

END FTABLE372

FTABLE 301

62 5

0.0	0.45	0.00	0.00	3.96
0.1	0.46	0.05	1.29	3.96
0.2	0.48	0.09	4.10	3.96

0.3	0.49	0.14	8.04	3.96
0.4	0.50	0.19	12.97	3.96
0.5	0.51	0.24	18.80	3.96
0.6	0.52	0.29	25.48	3.96
0.7	0.53	0.34	32.94	3.96
0.8	0.54	0.40	41.17	3.96
0.9	0.55	0.45	50.14	3.96
1.0	0.57	0.51	59.82	3.96
1.1	0.58	0.57	70.20	3.96
1.2	0.59	0.62	81.28	3.96
1.3	0.60	0.68	93.03	3.96
1.4	0.61	0.74	105.46	3.96
1.5	0.62	0.81	118.55	3.96
1.6	0.63	0.87	132.31	3.96
1.7	0.64	0.93	146.73	3.96
1.8	0.66	1.00	161.80	3.96
1.9	0.67	1.06	177.53	3.96
2.0	0.68	1.13	193.92	3.96
2.1	0.69	1.20	210.96	3.96
2.2	0.70	1.27	228.66	3.96
2.3	0.71	1.34	247.02	3.96
2.4	0.72	1.41	266.03	3.96
2.5	0.74	1.48	285.71	3.96
2.6	0.75	1.56	306.05	3.96
2.7	0.76	1.63	327.05	3.96
2.8	0.77	1.71	348.73	3.96
2.9	0.78	1.79	371.07	3.96
3.0	0.79	1.87	394.09	3.96
3.1	0.80	1.95	417.79	3.96
3.2	0.81	2.03	442.17	3.96
3.3	0.83	2.11	467.23	3.96
3.4	0.84	2.19	492.98	3.96
3.5	0.85	2.28	519.42	3.96

3.6	0.86	2.36	546.56	3.96
3.7	0.87	2.45	574.40	3.96
3.8	0.88	2.54	602.95	3.96
3.9	0.89	2.63	632.20	3.96
4.0	0.91	2.72	662.16	3.96
4.1	0.92	2.81	692.84	3.96
4.2	0.93	2.90	724.24	3.96
4.3	0.94	2.99	756.37	3.96
4.4	0.95	3.09	789.23	3.96
4.5	0.96	3.18	822.82	3.96
4.6	0.97	3.28	857.15	3.96
4.7	0.98	3.38	892.23	3.96
4.8	1.00	3.48	928.05	3.96
4.9	1.01	3.58	964.62	3.96
5.0	1.02	3.68	1001.95	3.96
5.1	1.03	3.78	1040.05	3.96
5.2	1.04	3.88	1078.91	3.96
5.3	1.05	3.99	1118.54	3.96
5.4	1.06	4.09	1158.94	3.96
5.5	1.07	4.20	1200.13	3.96
5.6	1.09	4.31	1242.10	3.96
5.7	1.10	4.42	1284.86	3.96
5.8	1.11	4.53	1328.41	3.96
5.9	1.12	4.64	1372.76	3.96
6.0	1.13	4.75	1417.92	3.96
6.1	2	100	20000	3.96

END FTABLE301

*** 46th Ave & Sumac Ln, Stormwater ponds, 1.99 acre area, only evaporation occur, storage of 9.65 acre ft is considered in outflow

FTABLE 339

3 5

0.0	1.99	0.00	0.00	0.66
6.0	1.99	9.65	0.00	0.66

6.1	1.99	100	20000	0.66
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END FTABLE339

FTABLE 310

19 5

0.0	0.02	0.00	0.00	1.21
0.4	0.02	0.01	12.35	1.21
0.9	0.02	0.02	47.73	1.21
1.4	0.02	0.03	100.39	1.21
1.8	0.02	0.04	154.03	1.21
2.3	0.03	0.05	235.15	1.21
2.7	0.03	0.06	311.35	1.21
3.0	0.03	0.07	375.16	1.21
3.4	0.03	0.08	469.30	1.21
3.7	0.03	0.09	546.81	1.21
4.0	0.03	0.10	630.36	1.21
4.3	0.03	0.11	720.04	1.21
4.6	0.03	0.12	815.99	1.21
4.9	0.04	0.13	918.29	1.21
5.2	0.04	0.14	1027.09	1.21
5.5	0.04	0.15	1142.49	1.21
5.7	0.04	0.16	1223.15	1.21
6.0	0.04	0.17	1349.82	1.21
6.1	2	100	20000	1.21

END FTABLE310

FTABLE 318

56 5

0.0	0.06	0.00	0.00	0.33
0.1	0.06	0.01	0.65	0.33
0.3	0.06	0.02	4.02	0.33
0.5	0.06	0.03	9.40	0.33
0.6	0.07	0.04	12.74	0.33
0.8	0.07	0.05	20.59	0.33
0.9	0.07	0.06	25.07	0.33

1.1	0.07	0.07	35.10	0.33
1.2	0.07	0.08	40.64	0.33
1.3	0.08	0.09	46.52	0.33
1.5	0.08	0.10	59.28	0.33
1.6	0.08	0.11	66.16	0.33
1.7	0.08	0.12	73.36	0.33
1.8	0.08	0.13	80.90	0.33
2.0	0.09	0.14	96.96	0.33
2.1	0.09	0.15	105.48	0.33
2.2	0.09	0.16	114.33	0.33
2.3	0.09	0.17	123.51	0.33
2.4	0.09	0.18	133.02	0.33
2.5	0.09	0.19	142.85	0.33
2.6	0.09	0.20	153.02	0.33
2.7	0.10	0.21	163.53	0.33
2.8	0.10	0.22	174.36	0.33
2.9	0.10	0.23	185.54	0.33
3.0	0.10	0.24	197.05	0.33
3.1	0.10	0.25	208.89	0.33
3.2	0.10	0.26	221.08	0.33
3.3	0.10	0.27	233.61	0.33
3.4	0.11	0.28	246.49	0.33
3.5	0.11	0.29	259.71	0.33
3.6	0.11	0.30	273.28	0.33
3.7	0.11	0.31	287.20	0.33
3.8	0.11	0.32	301.47	0.33
3.9	0.11	0.33	316.10	0.33
4.0	0.11	0.34	331.08	0.33
4.1	0.12	0.36	346.42	0.33
4.2	0.12	0.37	362.12	0.33
4.3	0.12	0.38	378.19	0.33
4.4	0.12	0.39	394.61	0.33
4.5	0.12	0.40	411.41	0.33

4.6	0.12	0.41	428.58	0.33
4.7	0.12	0.43	446.11	0.33
4.8	0.13	0.44	464.02	0.33
4.9	0.13	0.45	482.31	0.33
5.0	0.13	0.47	500.98	0.33
5.1	0.13	0.48	520.02	0.33
5.2	0.13	0.49	539.45	0.33
5.3	0.13	0.50	559.27	0.33
5.4	0.13	0.52	579.47	0.33
5.5	0.14	0.53	600.06	0.33
5.6	0.14	0.55	621.05	0.33
5.7	0.14	0.56	642.43	0.33
5.8	0.14	0.57	664.21	0.33
5.9	0.14	0.59	686.38	0.33
6.0	0.14	0.60	708.96	0.33
6.1	2	100	20000	0.33

END FTABLE318

FTABLE 314

62 5

0.0	0.40	0.00	0.00	1.87
0.1	0.41	0.04	1.72	1.87
0.2	0.42	0.08	5.44	1.87
0.3	0.43	0.12	10.68	1.87
0.4	0.44	0.17	17.24	1.87
0.5	0.45	0.21	24.99	1.87
0.6	0.46	0.26	33.85	1.87
0.7	0.47	0.30	43.77	1.87
0.8	0.48	0.35	54.71	1.87
0.9	0.49	0.40	66.62	1.87
1.0	0.50	0.45	79.48	1.87
1.1	0.51	0.50	93.28	1.87
1.2	0.52	0.55	108.00	1.87
1.3	0.53	0.60	123.62	1.87

1.4	0.54	0.65	140.13	1.87
1.5	0.55	0.71	157.53	1.87
1.6	0.56	0.76	175.81	1.87
1.7	0.57	0.82	194.97	1.87
1.8	0.58	0.88	215.00	1.87
1.9	0.59	0.93	235.90	1.87
2.0	0.60	0.99	257.67	1.87
2.1	0.61	1.05	280.32	1.87
2.2	0.62	1.11	303.84	1.87
2.3	0.63	1.18	328.23	1.87
2.4	0.64	1.24	353.50	1.87
2.5	0.65	1.30	379.64	1.87
2.6	0.66	1.37	406.67	1.87
2.7	0.67	1.44	434.58	1.87
2.8	0.68	1.50	463.38	1.87
2.9	0.69	1.57	493.07	1.87
3.0	0.70	1.64	523.66	1.87
3.1	0.71	1.71	555.14	1.87
3.2	0.72	1.78	587.54	1.87
3.3	0.73	1.85	620.84	1.87
3.4	0.74	1.93	655.06	1.87
3.5	0.75	2.00	690.19	1.87
3.6	0.76	2.07	726.25	1.87
3.7	0.76	2.15	763.25	1.87
3.8	0.77	2.23	801.17	1.87
3.9	0.78	2.31	840.04	1.87
4.0	0.79	2.38	879.86	1.87
4.1	0.80	2.46	920.63	1.87
4.2	0.81	2.55	962.35	1.87
4.3	0.82	2.63	1005.04	1.87
4.4	0.83	2.71	1048.70	1.87
4.5	0.84	2.79	1093.34	1.87
4.6	0.85	2.88	1138.96	1.87

4.7	0.86	2.96	1185.56	1.87
4.8	0.87	3.05	1233.16	1.87
4.9	0.88	3.14	1281.76	1.87
5.0	0.89	3.23	1331.37	1.87
5.1	0.90	3.32	1381.98	1.87
5.2	0.91	3.41	1433.62	1.87
5.3	0.92	3.50	1486.28	1.87
5.4	0.93	3.59	1539.97	1.87
5.5	0.94	3.69	1594.69	1.87
5.6	0.95	3.78	1650.46	1.87
5.7	0.96	3.88	1707.28	1.87
5.8	0.97	3.98	1765.15	1.87
5.9	0.98	4.07	1824.09	1.87
6.0	0.99	4.17	1884.09	1.87
6.1	2	100	20000	1.87

END FTABLE314

FTABLE 311

62 5

0.0	0.44	0.00	0.00	1.32
0.1	0.45	0.04	1.37	1.32
0.2	0.46	0.09	4.34	1.32
0.3	0.47	0.14	8.53	1.32
0.4	0.48	0.18	13.76	1.32
0.5	0.49	0.23	19.95	1.32
0.6	0.50	0.28	27.02	1.32
0.7	0.52	0.33	34.94	1.32
0.8	0.53	0.39	43.67	1.32
0.9	0.54	0.44	53.18	1.32
1.0	0.55	0.49	63.45	1.32
1.1	0.56	0.55	74.46	1.32
1.2	0.57	0.61	86.21	1.32
1.3	0.58	0.66	98.67	1.32
1.4	0.59	0.72	111.86	1.32

1.5	0.60	0.78	125.74	1.32
1.6	0.61	0.84	140.34	1.32
1.7	0.63	0.90	155.63	1.32
1.8	0.64	0.97	171.62	1.32
1.9	0.65	1.03	188.30	1.32
2.0	0.66	1.10	205.68	1.32
2.1	0.67	1.16	223.76	1.32
2.2	0.68	1.23	242.53	1.32
2.3	0.69	1.30	262.00	1.32
2.4	0.70	1.37	282.17	1.32
2.5	0.71	1.44	303.04	1.32
2.6	0.72	1.51	324.61	1.32
2.7	0.74	1.58	346.89	1.32
2.8	0.75	1.66	369.88	1.32
2.9	0.76	1.73	393.58	1.32
3.0	0.77	1.81	418.00	1.32
3.1	0.78	1.89	443.13	1.32
3.2	0.79	1.97	468.99	1.32
3.3	0.80	2.05	495.57	1.32
3.4	0.81	2.13	522.88	1.32
3.5	0.82	2.21	550.93	1.32
3.6	0.83	2.29	579.72	1.32
3.7	0.84	2.37	609.25	1.32
3.8	0.86	2.46	639.52	1.32
3.9	0.87	2.55	670.55	1.32
4.0	0.88	2.63	702.33	1.32
4.1	0.89	2.72	734.87	1.32
4.2	0.90	2.81	768.18	1.32
4.3	0.91	2.90	802.25	1.32
4.4	0.92	2.99	837.10	1.32
4.5	0.93	3.09	872.73	1.32
4.6	0.94	3.18	909.15	1.32
4.7	0.95	3.27	946.35	1.32

4.8	0.97	3.37	984.34	1.32
4.9	0.98	3.47	1023.14	1.32
5.0	0.99	3.57	1062.73	1.32
5.1	1.00	3.66	1103.14	1.32
5.2	1.01	3.77	1144.35	1.32
5.3	1.02	3.87	1186.39	1.32
5.4	1.03	3.97	1229.24	1.32
5.5	1.04	4.07	1272.93	1.32
5.6	1.05	4.18	1317.44	1.32
5.7	1.06	4.28	1362.80	1.32
5.8	1.08	4.39	1408.99	1.32
5.9	1.09	4.50	1456.04	1.32
6.0	1.10	4.61	1503.93	1.32
6.1	2	100	20000	1.32

END FTABLE311

FTABLE 302

62 5

0.0	0.14	0.00	0.00	2.2
0.1	0.14	0.01	1.48	2.2
0.2	0.14	0.03	4.69	2.2
0.3	0.15	0.04	9.21	2.2
0.4	0.15	0.06	14.86	2.2
0.5	0.15	0.07	21.54	2.2
0.6	0.16	0.09	29.19	2.2
0.7	0.16	0.10	37.74	2.2
0.8	0.16	0.12	47.17	2.2
0.9	0.17	0.14	57.44	2.2
1.0	0.17	0.15	68.53	2.2
1.1	0.17	0.17	80.43	2.2
1.2	0.18	0.19	93.11	2.2
1.3	0.18	0.21	106.58	2.2
1.4	0.18	0.23	120.82	2.2
1.5	0.19	0.24	135.82	2.2

1.6	0.19	0.26	151.58	2.2
1.7	0.19	0.28	168.10	2.2
1.8	0.20	0.30	185.37	2.2
1.9	0.20	0.32	203.39	2.2
2.0	0.21	0.34	222.16	2.2
2.1	0.21	0.36	241.69	2.2
2.2	0.21	0.38	261.96	2.2
2.3	0.22	0.41	282.99	2.2
2.4	0.22	0.43	304.78	2.2
2.5	0.22	0.45	327.32	2.2
2.6	0.23	0.47	350.62	2.2
2.7	0.23	0.49	374.69	2.2
2.8	0.23	0.52	399.52	2.2
2.9	0.24	0.54	425.12	2.2
3.0	0.24	0.56	451.49	2.2
3.1	0.24	0.59	478.64	2.2
3.2	0.25	0.61	506.57	2.2
3.3	0.25	0.64	535.28	2.2
3.4	0.25	0.66	564.78	2.2
3.5	0.26	0.69	595.07	2.2
3.6	0.26	0.71	626.17	2.2
3.7	0.26	0.74	658.06	2.2
3.8	0.27	0.77	690.76	2.2
3.9	0.27	0.79	724.27	2.2
4.0	0.27	0.82	758.60	2.2
4.1	0.28	0.85	793.75	2.2
4.2	0.28	0.88	829.73	2.2
4.3	0.28	0.90	866.53	2.2
4.4	0.29	0.93	904.18	2.2
4.5	0.29	0.96	942.66	2.2
4.6	0.29	0.99	981.99	2.2
4.7	0.30	1.02	1022.17	2.2
4.8	0.30	1.05	1063.21	2.2

4.9	0.30	1.08	1105.11	2.2
5.0	0.31	1.11	1147.88	2.2
5.1	0.31	1.14	1191.52	2.2
5.2	0.31	1.17	1236.04	2.2
5.3	0.32	1.21	1281.44	2.2
5.4	0.32	1.24	1327.74	2.2
5.5	0.32	1.27	1374.92	2.2
5.6	0.33	1.30	1423.00	2.2
5.7	0.33	1.34	1471.99	2.2
5.8	0.34	1.37	1521.89	2.2
5.9	0.34	1.40	1572.70	2.2
6.0	0.34	1.44	1624.43	2.2
6.1	2	100	20000	2.2

END FTABLE302

FTABLE 307

62 5

0.0	0.32	0.00	0.00	1.65
0.1	0.33	0.03	1.08	1.65
0.2	0.34	0.07	3.43	1.65
0.3	0.35	0.10	6.74	1.65
0.4	0.36	0.14	10.88	1.65
0.5	0.36	0.17	15.77	1.65
0.6	0.37	0.21	21.36	1.65
0.7	0.38	0.25	27.62	1.65
0.8	0.39	0.28	34.52	1.65
0.9	0.40	0.32	42.04	1.65
1.0	0.40	0.36	50.16	1.65
1.1	0.41	0.40	58.87	1.65
1.2	0.42	0.45	68.15	1.65
1.3	0.43	0.49	78.01	1.65
1.4	0.44	0.53	88.43	1.65
1.5	0.44	0.58	99.41	1.65
1.6	0.45	0.62	110.95	1.65

1.7	0.46	0.67	123.03	1.65
1.8	0.47	0.71	135.68	1.65
1.9	0.48	0.76	148.87	1.65
2.0	0.48	0.81	162.61	1.65
2.1	0.49	0.86	176.90	1.65
2.2	0.50	0.91	191.74	1.65
2.3	0.51	0.96	207.13	1.65
2.4	0.52	1.01	223.08	1.65
2.5	0.52	1.06	239.57	1.65
2.6	0.53	1.11	256.63	1.65
2.7	0.54	1.17	274.24	1.65
2.8	0.55	1.22	292.42	1.65
2.9	0.56	1.28	311.15	1.65
3.0	0.57	1.33	330.46	1.65
3.1	0.57	1.39	350.33	1.65
3.2	0.58	1.45	370.77	1.65
3.3	0.59	1.51	391.78	1.65
3.4	0.60	1.56	413.38	1.65
3.5	0.61	1.63	435.55	1.65
3.6	0.61	1.69	458.31	1.65
3.7	0.62	1.75	481.65	1.65
3.8	0.63	1.81	505.58	1.65
3.9	0.64	1.87	530.11	1.65
4.0	0.65	1.94	555.24	1.65
4.1	0.65	2.00	580.97	1.65
4.2	0.66	2.07	607.30	1.65
4.3	0.67	2.14	634.24	1.65
4.4	0.68	2.20	661.79	1.65
4.5	0.69	2.27	689.96	1.65
4.6	0.69	2.34	718.74	1.65
4.7	0.70	2.41	748.15	1.65
4.8	0.71	2.48	778.19	1.65
4.9	0.72	2.55	808.86	1.65

5.0	0.73	2.62	840.16	1.65
5.1	0.73	2.70	872.11	1.65
5.2	0.74	2.77	904.69	1.65
5.3	0.75	2.85	937.92	1.65
5.4	0.76	2.92	971.80	1.65
5.5	0.77	3.00	1006.34	1.65
5.6	0.78	3.07	1041.53	1.65
5.7	0.78	3.15	1077.39	1.65
5.8	0.79	3.23	1113.91	1.65
5.9	0.80	3.31	1151.10	1.65
6.0	0.81	3.39	1188.96	1.65
6.1	2	100	20000	1.65

END FTABLE307

FTABLE 332

62 4

0.0	0.14	0.00	0.00
0.1	0.14	0.01	1.14
0.2	0.14	0.03	3.62
0.3	0.15	0.04	7.11
0.4	0.15	0.06	11.47
0.5	0.15	0.07	16.62
0.6	0.16	0.09	22.52
0.7	0.16	0.10	29.12
0.8	0.16	0.12	36.39
0.9	0.17	0.14	44.31
1.0	0.17	0.15	52.87
1.1	0.17	0.17	62.05
1.2	0.18	0.19	71.84
1.3	0.18	0.20	82.23
1.4	0.18	0.22	93.21
1.5	0.19	0.24	104.79
1.6	0.19	0.26	116.95
1.7	0.19	0.28	129.69

1.8	0.20	0.30	143.01
1.9	0.20	0.32	156.92
2.0	0.20	0.34	171.40
2.1	0.21	0.36	186.47
2.2	0.21	0.38	202.11
2.3	0.21	0.40	218.33
2.4	0.22	0.42	235.14
2.5	0.22	0.45	252.53
2.6	0.22	0.47	270.51
2.7	0.23	0.49	289.08
2.8	0.23	0.51	308.24
2.9	0.23	0.54	327.99
3.0	0.24	0.56	348.33
3.1	0.24	0.58	369.28
3.2	0.24	0.61	390.82
3.3	0.25	0.63	412.98
3.4	0.25	0.66	435.74
3.5	0.25	0.68	459.11
3.6	0.26	0.71	483.10
3.7	0.26	0.73	507.70
3.8	0.26	0.76	532.93
3.9	0.27	0.79	558.79
4.0	0.27	0.81	585.27
4.1	0.27	0.84	612.39
4.2	0.28	0.87	640.15
4.3	0.28	0.90	668.54
4.4	0.28	0.93	697.59
4.5	0.29	0.95	727.28
4.6	0.29	0.98	757.62
4.7	0.30	1.01	788.62
4.8	0.30	1.04	820.29
4.9	0.30	1.07	852.61
5.0	0.31	1.10	885.61

5.1	0.31	1.13	919.28
5.2	0.31	1.16	953.63
5.3	0.32	1.20	988.66
5.4	0.32	1.23	1024.37
5.5	0.32	1.26	1060.77
5.6	0.33	1.29	1097.87
5.7	0.33	1.32	1135.66
5.8	0.33	1.36	1174.16
5.9	0.34	1.39	1213.36
6.0	0.34	1.42	1253.28
6.1	2	100	20000

END FTABLE332

FTABLE 389

62 5

0.0	0.55	0.00	0.00	0.88
0.1	0.56	0.06	2.23	0.88
0.2	0.58	0.11	7.06	0.88
0.3	0.59	0.17	13.85	0.88
0.4	0.61	0.23	22.35	0.88
0.5	0.62	0.29	32.40	0.88
0.6	0.63	0.36	43.90	0.88
0.7	0.65	0.42	56.76	0.88
0.8	0.66	0.48	70.94	0.88
0.9	0.67	0.55	86.38	0.88
1.0	0.69	0.62	103.07	0.88
1.1	0.70	0.69	120.96	0.88
1.2	0.72	0.76	140.04	0.88
1.3	0.73	0.83	160.29	0.88
1.4	0.74	0.91	181.71	0.88
1.5	0.76	0.98	204.27	0.88
1.6	0.77	1.06	227.97	0.88
1.7	0.78	1.14	252.81	0.88
1.8	0.80	1.21	278.79	0.88

1.9	0.81	1.29	305.89	0.88
2.0	0.83	1.38	334.12	0.88
2.1	0.84	1.46	363.49	0.88
2.2	0.85	1.54	393.98	0.88
2.3	0.87	1.63	425.61	0.88
2.4	0.88	1.72	458.38	0.88
2.5	0.89	1.81	492.28	0.88
2.6	0.91	1.90	527.32	0.88
2.7	0.92	1.99	563.52	0.88
2.8	0.94	2.08	600.86	0.88
2.9	0.95	2.18	639.36	0.88
3.0	0.96	2.27	679.02	0.88
3.1	0.98	2.37	719.85	0.88
3.2	0.99	2.47	761.86	0.88
3.3	1.01	2.57	805.04	0.88
3.4	1.02	2.67	849.41	0.88
3.5	1.03	2.77	894.97	0.88
3.6	1.05	2.87	941.73	0.88
3.7	1.06	2.98	989.70	0.88
3.8	1.07	3.09	1038.88	0.88
3.9	1.09	3.20	1089.28	0.88
4.0	1.10	3.30	1140.91	0.88
4.1	1.12	3.42	1193.77	0.88
4.2	1.13	3.53	1247.88	0.88
4.3	1.14	3.64	1303.23	0.88
4.4	1.16	3.76	1359.85	0.88
4.5	1.17	3.87	1417.73	0.88
4.6	1.18	3.99	1476.88	0.88
4.7	1.20	4.11	1537.31	0.88
4.8	1.21	4.23	1599.03	0.88
4.9	1.23	4.35	1662.05	0.88
5.0	1.24	4.47	1726.37	0.88
5.1	1.25	4.60	1792.01	0.88

5.2	1.27	4.73	1858.96	0.88
5.3	1.28	4.85	1927.25	0.88
5.4	1.29	4.98	1996.86	0.88
5.5	1.31	5.11	2067.83	0.88
5.6	1.32	5.24	2140.14	0.88
5.7	1.34	5.38	2213.82	0.88
5.8	1.35	5.51	2288.86	0.88
5.9	1.36	5.65	2365.28	0.88
6.0	1.38	5.78	2443.09	0.88
6.1	2	100	20000	0.88

END FTABLE389

FTABLE 356

55 5

0.0	0.06	0.00	0.00	2.64
0.1	0.06	0.01	1.10	2.64
0.3	0.06	0.02	6.82	2.64
0.5	0.06	0.03	15.94	2.64
0.6	0.06	0.04	21.60	2.64
0.8	0.07	0.05	34.90	2.64
0.9	0.07	0.06	42.50	2.64
1.1	0.07	0.07	59.52	2.64
1.2	0.07	0.08	68.91	2.64
1.4	0.08	0.09	89.41	2.64
1.5	0.08	0.10	100.51	2.64
1.6	0.08	0.11	112.17	2.64
1.8	0.08	0.12	137.17	2.64
1.9	0.08	0.13	150.51	2.64
2.0	0.08	0.14	164.40	2.64
2.1	0.08	0.15	178.85	2.64
2.2	0.09	0.16	193.86	2.64
2.4	0.09	0.17	225.54	2.64
2.5	0.09	0.18	242.22	2.64
2.6	0.09	0.19	259.47	2.64

2.7	0.09	0.20	277.27	2.64
2.8	0.09	0.21	295.65	2.64
2.9	0.10	0.22	314.59	2.64
3.0	0.10	0.23	334.11	2.64
3.1	0.10	0.24	354.20	2.64
3.2	0.10	0.25	374.87	2.64
3.3	0.10	0.26	396.11	2.64
3.4	0.10	0.27	417.94	2.64
3.5	0.10	0.28	440.36	2.64
3.6	0.11	0.29	463.37	2.64
3.7	0.11	0.30	486.97	2.64
3.8	0.11	0.31	511.17	2.64
3.9	0.11	0.32	535.97	2.64
4.0	0.11	0.33	561.37	2.64
4.1	0.11	0.34	587.39	2.64
4.2	0.11	0.36	614.01	2.64
4.3	0.12	0.37	641.25	2.64
4.4	0.12	0.38	669.10	2.64
4.5	0.12	0.39	697.58	2.64
4.6	0.12	0.40	726.69	2.64
4.7	0.12	0.41	756.42	2.64
4.8	0.12	0.43	786.79	2.64
4.9	0.12	0.44	817.80	2.64
5.0	0.13	0.45	849.45	2.64
5.1	0.13	0.46	881.74	2.64
5.2	0.13	0.48	914.69	2.64
5.3	0.13	0.49	948.29	2.64
5.4	0.13	0.50	982.54	2.64
5.5	0.13	0.52	1017.46	2.64
5.6	0.13	0.53	1053.04	2.64
5.7	0.13	0.54	1089.29	2.64
5.8	0.14	0.56	1126.22	2.64
5.9	0.14	0.57	1163.82	2.64

6.0	0.14	0.58	1202.10	2.64
6.1	2	100	20000	2.64

END FTABLE356

FTABLE 364

62 4

0.0	0.23	0.00	0.00
0.1	0.24	0.02	2.85
0.2	0.24	0.05	9.04
0.3	0.25	0.07	17.75
0.4	0.26	0.10	28.64
0.5	0.26	0.12	41.52
0.6	0.27	0.15	56.25
0.7	0.27	0.18	72.73
0.8	0.28	0.20	90.90
0.9	0.28	0.23	110.70
1.0	0.29	0.26	132.07
1.1	0.30	0.29	155.00
1.2	0.30	0.32	179.45
1.3	0.31	0.35	205.41
1.4	0.31	0.38	232.85
1.5	0.32	0.41	261.76
1.6	0.33	0.45	292.13
1.7	0.33	0.48	323.97
1.8	0.34	0.51	357.25
1.9	0.34	0.55	391.98
2.0	0.35	0.58	428.16
2.1	0.35	0.62	465.79
2.2	0.36	0.65	504.87
2.3	0.37	0.69	545.40
2.4	0.37	0.73	587.39
2.5	0.38	0.76	630.83
2.6	0.38	0.80	675.74
2.7	0.39	0.84	722.12

2.8	0.40	0.88	769.97
2.9	0.40	0.92	819.31
3.0	0.41	0.96	870.13
3.1	0.41	1.00	922.45
3.2	0.42	1.04	976.28
3.3	0.42	1.08	1031.61
3.4	0.43	1.13	1088.47
3.5	0.44	1.17	1146.86
3.6	0.44	1.21	1206.78
3.7	0.45	1.26	1268.24
3.8	0.45	1.30	1331.27
3.9	0.46	1.35	1395.85
4.0	0.46	1.39	1462.01
4.1	0.47	1.44	1529.75
4.2	0.48	1.49	1599.09
4.3	0.48	1.54	1670.02
4.4	0.49	1.59	1742.57
4.5	0.49	1.63	1816.74
4.6	0.50	1.68	1892.54
4.7	0.51	1.73	1969.98
4.8	0.51	1.79	2049.08
4.9	0.52	1.84	2129.83
5.0	0.52	1.89	2212.26
5.1	0.53	1.94	2296.36
5.2	0.53	1.99	2382.16
5.3	0.54	2.05	2469.66
5.4	0.55	2.10	2558.88
5.5	0.55	2.16	2649.81
5.6	0.56	2.21	2742.48
5.7	0.56	2.27	2836.89
5.8	0.57	2.33	2933.05
5.9	0.58	2.38	3030.98
6.0	0.58	2.44	3130.68

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6.1  2    100  20000
END FTABLE364
FTABLE  353
62  4

0.0  0.38  0.00  0.00
0.1  0.39  0.04  3.01
0.2  0.40  0.08  9.52
0.3  0.41  0.12  18.69
0.4  0.42  0.16  30.16
0.5  0.43  0.20  43.72
0.6  0.44  0.25  59.23
0.7  0.45  0.29  76.59
0.8  0.46  0.33  95.73
0.9  0.47  0.38  116.57
1.0  0.48  0.43  139.09
1.1  0.49  0.48  163.23
1.2  0.49  0.53  188.98
1.3  0.50  0.58  216.31
1.4  0.51  0.63  245.21
1.5  0.52  0.68  275.65
1.6  0.53  0.73  307.64
1.7  0.54  0.78  341.16
1.8  0.55  0.84  376.21
1.9  0.56  0.89  412.79
2.0  0.57  0.95  450.89
2.1  0.58  1.01  490.52
2.2  0.59  1.07  531.67
2.3  0.60  1.13  574.35
2.4  0.61  1.19  618.56
2.5  0.62  1.25  664.31
2.6  0.63  1.31  711.61
2.7  0.64  1.37  760.45
2.8  0.65  1.44  810.84

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2.9	0.66	1.50	862.79
3.0	0.67	1.57	916.32
3.1	0.68	1.64	971.42
3.2	0.69	1.71	1028.10
3.3	0.69	1.77	1086.37
3.4	0.70	1.84	1146.25
3.5	0.71	1.92	1207.73
3.6	0.72	1.99	1270.83
3.7	0.73	2.06	1335.56
3.8	0.74	2.13	1401.93
3.9	0.75	2.21	1469.94
4.0	0.76	2.28	1539.61
4.1	0.77	2.36	1610.95
4.2	0.78	2.44	1683.97
4.3	0.79	2.52	1758.67
4.4	0.80	2.60	1835.07
4.5	0.81	2.68	1913.17
4.6	0.82	2.76	1993.00
4.7	0.83	2.84	2074.55
4.8	0.84	2.92	2157.84
4.9	0.85	3.01	2242.88
5.0	0.86	3.09	2329.68
5.1	0.87	3.18	2418.25
5.2	0.88	3.27	2508.60
5.3	0.88	3.35	2600.75
5.4	0.89	3.44	2694.70
5.5	0.90	3.53	2790.46
5.6	0.91	3.62	2888.05
5.7	0.92	3.72	2987.47
5.8	0.93	3.81	3088.74
5.9	0.94	3.90	3191.86
6.0	0.95	4.00	3296.86
6.1	2	100	20000

END FTABLE353

***** Rebecca St, Stormwater ponds, 0.44 acre area, only evaporation occur, storage of 1.91 acre ft is considered in outflow**

FTABLE 358

3 5

0.0	0.44	0.00	0.00	1.87
6.0	0.44	1.91	0.00	1.87
6.1	0.44	100	20000	1.87

END FTABLE358

***** Regal Rd&55th Ave, 57thAve, Stormwater Ponds, 4.07 acre area, only evaporation occur, storage of 12.92 acre ft is considered in outflow**

FTABLE 380

3 5

0.0	4.07	0.00	0.00	0.44
6.0	4.07	12.92	531.72	0.44
6.1	4.07	100	20000	0.44

END FTABLE380

FTABLE 355

62 5

0.0	0.38	0.00	0.00	0.04
0.1	0.39	0.04	1.22	0.04
0.2	0.40	0.08	3.87	0.04
0.3	0.41	0.12	7.59	0.04
0.4	0.42	0.16	12.24	0.04
0.5	0.43	0.20	17.75	0.04
0.6	0.44	0.25	24.04	0.04
0.7	0.45	0.29	31.09	0.04
0.8	0.46	0.34	38.85	0.04
0.9	0.47	0.38	47.31	0.04
1.0	0.48	0.43	56.45	0.04
1.1	0.49	0.48	66.25	0.04
1.2	0.50	0.53	76.70	0.04
1.3	0.51	0.58	87.80	0.04

1.4	0.52	0.63	99.52	0.04
1.5	0.52	0.68	111.88	0.04
1.6	0.53	0.73	124.87	0.04
1.7	0.54	0.79	138.47	0.04
1.8	0.55	0.84	152.70	0.04
1.9	0.56	0.90	167.54	0.04
2.0	0.57	0.95	183.01	0.04
2.1	0.58	1.01	199.09	0.04
2.2	0.59	1.07	215.79	0.04
2.3	0.60	1.13	233.12	0.04
2.4	0.61	1.19	251.06	0.04
2.5	0.62	1.25	269.63	0.04
2.6	0.63	1.31	288.83	0.04
2.7	0.64	1.38	308.65	0.04
2.8	0.65	1.44	329.11	0.04
2.9	0.66	1.51	350.19	0.04
3.0	0.67	1.57	371.92	0.04
3.1	0.68	1.64	394.28	0.04
3.2	0.69	1.71	417.29	0.04
3.3	0.70	1.78	440.94	0.04
3.4	0.71	1.85	465.24	0.04
3.5	0.72	1.92	490.19	0.04
3.6	0.73	1.99	515.81	0.04
3.7	0.73	2.07	542.08	0.04
3.8	0.74	2.14	569.02	0.04
3.9	0.75	2.21	596.62	0.04
4.0	0.76	2.29	624.90	0.04
4.1	0.77	2.37	653.86	0.04
4.2	0.78	2.44	683.49	0.04
4.3	0.79	2.52	713.81	0.04
4.4	0.80	2.60	744.82	0.04
4.5	0.81	2.68	776.52	0.04
4.6	0.82	2.77	808.92	0.04

4.7	0.83	2.85	842.02	0.04
4.8	0.84	2.93	875.83	0.04
4.9	0.85	3.02	910.34	0.04
5.0	0.86	3.10	945.57	0.04
5.1	0.87	3.19	981.52	0.04
5.2	0.88	3.27	1018.20	0.04
5.3	0.89	3.36	1055.60	0.04
5.4	0.90	3.45	1093.73	0.04
5.5	0.91	3.54	1132.60	0.04
5.6	0.92	3.63	1172.20	0.04
5.7	0.93	3.73	1212.56	0.04
5.8	0.94	3.82	1253.66	0.04
5.9	0.94	3.91	1295.52	0.04
6.0	0.95	4.01	1338.13	0.04
6.1	2	100	20000	0.04

END FTABLE355

FTABLE 315

62 4

0.0	0.25	0.00	0.00
0.1	0.26	0.03	1.33
0.2	0.27	0.05	4.22
0.3	0.27	0.08	8.29
0.4	0.28	0.11	13.37
0.5	0.29	0.13	19.38
0.6	0.29	0.16	26.26
0.7	0.30	0.19	33.96
0.8	0.30	0.22	42.44
0.9	0.31	0.25	51.68
1.0	0.32	0.29	61.66
1.1	0.32	0.32	72.36
1.2	0.33	0.35	83.78
1.3	0.34	0.38	95.89
1.4	0.34	0.42	108.70

1.5	0.35	0.45	122.20
1.6	0.36	0.49	136.38
1.7	0.36	0.52	151.24
1.8	0.37	0.56	166.78
1.9	0.37	0.60	183.00
2.0	0.38	0.63	199.89
2.1	0.39	0.67	217.45
2.2	0.39	0.71	235.70
2.3	0.40	0.75	254.62
2.4	0.41	0.79	274.22
2.5	0.41	0.83	294.50
2.6	0.42	0.87	315.47
2.7	0.43	0.92	337.12
2.8	0.43	0.96	359.46
2.9	0.44	1.00	382.49
3.0	0.44	1.05	406.22
3.1	0.45	1.09	430.65
3.2	0.46	1.14	455.78
3.3	0.46	1.18	481.61
3.4	0.47	1.23	508.15
3.5	0.48	1.28	535.41
3.6	0.48	1.32	563.38
3.7	0.49	1.37	592.08
3.8	0.49	1.42	621.50
3.9	0.50	1.47	651.65
4.0	0.51	1.52	682.54
4.1	0.51	1.57	714.17
4.2	0.52	1.63	746.53
4.3	0.53	1.68	779.65
4.4	0.53	1.73	813.52
4.5	0.54	1.78	848.15
4.6	0.55	1.84	883.53
4.7	0.55	1.89	919.69

4.8	0.56	1.95	956.61
4.9	0.56	2.01	994.31
5.0	0.57	2.06	1032.79
5.1	0.58	2.12	1072.06
5.2	0.58	2.18	1112.11
5.3	0.59	2.24	1152.96
5.4	0.60	2.30	1194.61
5.5	0.60	2.36	1237.06
5.6	0.61	2.42	1280.33
5.7	0.62	2.48	1324.40
5.8	0.62	2.54	1369.30
5.9	0.63	2.60	1415.01
6.0	0.63	2.66	1461.56
6.1	2	100	20000

END FTABLE315

FTABLE 331

47 4

0.0	0.04	0.00	0.00
0.2	0.04	0.01	5.17
0.4	0.05	0.02	16.38
0.6	0.05	0.03	32.16
0.8	0.05	0.04	51.97
1.0	0.05	0.05	75.52
1.2	0.06	0.06	102.61
1.4	0.06	0.07	133.14
1.5	0.06	0.08	149.67
1.7	0.06	0.09	185.23
1.9	0.06	0.10	224.12
2.0	0.06	0.11	244.81
2.2	0.07	0.12	288.67
2.3	0.07	0.13	311.84
2.5	0.07	0.14	360.69
2.6	0.07	0.15	386.37

2.8	0.07	0.16	440.25
2.9	0.07	0.17	468.46
3.0	0.07	0.18	497.52
3.2	0.08	0.19	558.21
3.3	0.08	0.20	589.85
3.4	0.08	0.21	622.36
3.6	0.08	0.22	690.00
3.7	0.08	0.23	725.15
3.8	0.08	0.24	761.18
3.9	0.08	0.25	798.11
4.0	0.09	0.26	835.94
4.2	0.09	0.27	914.31
4.3	0.09	0.28	954.87
4.4	0.09	0.29	996.35
4.5	0.09	0.30	1038.76
4.6	0.09	0.31	1082.10
4.7	0.09	0.32	1126.38
4.8	0.09	0.33	1171.60
4.9	0.09	0.34	1217.78
5.0	0.10	0.35	1264.91
5.1	0.10	0.36	1313.00
5.2	0.10	0.37	1362.05
5.3	0.10	0.38	1412.08
5.4	0.10	0.39	1463.09
5.5	0.10	0.40	1515.09
5.6	0.10	0.41	1568.07
5.7	0.10	0.42	1622.05
5.8	0.10	0.43	1677.04
5.9	0.11	0.44	1733.03
6.0	0.11	0.45	1790.04
6.1	2	100	20000

END FTABLE331

FTABLE 349

62 4

0.0	0.65	0.00	0.00
0.1	0.67	0.07	2.93
0.2	0.68	0.13	9.27
0.3	0.70	0.20	18.20
0.4	0.71	0.27	29.37
0.5	0.73	0.34	42.57
0.6	0.75	0.42	57.67
0.7	0.76	0.49	74.58
0.8	0.78	0.57	93.20
0.9	0.80	0.65	113.50
1.0	0.81	0.73	135.42
1.1	0.83	0.81	158.93
1.2	0.84	0.90	184.00
1.3	0.86	0.98	210.61
1.4	0.88	1.07	238.74
1.5	0.89	1.16	268.39
1.6	0.91	1.25	299.53
1.7	0.92	1.34	332.17
1.8	0.94	1.43	366.30
1.9	0.96	1.53	401.91
2.0	0.97	1.62	439.00
2.1	0.99	1.72	477.59
2.2	1.01	1.82	517.65
2.3	1.02	1.92	559.21
2.4	1.04	2.03	602.26
2.5	1.05	2.13	646.80
2.6	1.07	2.24	692.85
2.7	1.09	2.34	740.40
2.8	1.10	2.45	789.47
2.9	1.12	2.56	840.05
3.0	1.14	2.68	892.16
3.1	1.15	2.79	945.81

3.2	1.17	2.91	1001.00
3.3	1.18	3.03	1057.74
3.4	1.20	3.14	1116.03
3.5	1.22	3.27	1175.89
3.6	1.23	3.39	1237.33
3.7	1.25	3.51	1300.36
3.8	1.27	3.64	1364.98
3.9	1.28	3.77	1431.20
4.0	1.30	3.89	1499.03
4.1	1.31	4.03	1568.49
4.2	1.33	4.16	1639.58
4.3	1.35	4.29	1712.31
4.4	1.36	4.43	1786.70
4.5	1.38	4.56	1862.74
4.6	1.40	4.70	1940.46
4.7	1.41	4.84	2019.86
4.8	1.43	4.99	2100.96
4.9	1.44	5.13	2183.76
5.0	1.46	5.27	2268.27
5.1	1.48	5.42	2354.51
5.2	1.49	5.57	2442.48
5.3	1.51	5.72	2532.20
5.4	1.53	5.87	2623.67
5.5	1.54	6.02	2716.91
5.6	1.56	6.18	2811.92
5.7	1.57	6.34	2908.72
5.8	1.59	6.49	3007.32
5.9	1.61	6.65	3107.73
6.0	1.62	6.82	3209.96
6.1	2	100	20000

END FTABLE349

FTABLE 352

0.0	0.04	0.00	0.00	0.22
0.2	0.04	0.01	2.80	0.22
0.4	0.04	0.02	8.88	0.22
0.6	0.05	0.03	17.44	0.22
0.8	0.05	0.04	28.19	0.22
1.0	0.05	0.05	40.95	0.22
1.2	0.05	0.06	55.65	0.22
1.4	0.06	0.07	72.20	0.22
1.6	0.06	0.08	90.59	0.22
1.8	0.06	0.09	110.78	0.22
1.9	0.06	0.10	121.55	0.22
2.1	0.06	0.11	144.44	0.22
2.3	0.06	0.12	169.12	0.22
2.4	0.07	0.13	182.14	0.22
2.6	0.07	0.14	209.54	0.22
2.7	0.07	0.15	223.92	0.22
2.9	0.07	0.16	254.06	0.22
3.0	0.07	0.17	269.82	0.22
3.1	0.07	0.18	286.04	0.22
3.3	0.07	0.19	319.89	0.22
3.4	0.08	0.20	337.52	0.22
3.5	0.08	0.21	355.62	0.22
3.7	0.08	0.22	393.27	0.22
3.8	0.08	0.23	412.81	0.22
3.9	0.08	0.24	432.84	0.22
4.1	0.08	0.25	474.36	0.22
4.2	0.08	0.26	495.86	0.22
4.3	0.08	0.27	517.85	0.22
4.4	0.09	0.28	540.35	0.22
4.5	0.09	0.29	563.35	0.22
4.6	0.09	0.30	586.85	0.22
4.8	0.09	0.31	635.39	0.22
4.9	0.09	0.32	660.43	0.22

5.0	0.09	0.33	685.99	0.22
5.1	0.09	0.34	712.07	0.22
5.2	0.09	0.35	738.68	0.22
5.3	0.09	0.36	765.81	0.22
5.4	0.10	0.37	793.47	0.22
5.5	0.10	0.38	821.67	0.22
5.6	0.10	0.39	850.41	0.22
5.7	0.10	0.40	879.68	0.22
5.8	0.10	0.41	909.50	0.22
5.9	0.10	0.42	939.87	0.22
6.0	0.10	0.43	970.78	0.22
6.1	2	100	20000	0.22

END FTABLE352

FTABLE 328

45 4

0.0	0.04	0.00	0.00
0.2	0.04	0.01	2.80
0.4	0.05	0.02	8.88
0.6	0.05	0.03	17.44
0.8	0.05	0.04	28.19
1.0	0.05	0.05	40.95
1.2	0.05	0.06	55.65
1.4	0.06	0.07	72.20
1.6	0.06	0.08	90.59
1.8	0.06	0.09	110.78
1.9	0.06	0.10	121.55
2.1	0.06	0.11	144.44
2.3	0.06	0.12	169.12
2.4	0.07	0.13	182.14
2.6	0.07	0.14	209.54
2.7	0.07	0.15	223.92
2.9	0.07	0.16	254.06
3.0	0.07	0.17	269.82

3.1	0.07	0.18	286.04
3.3	0.07	0.19	319.89
3.4	0.08	0.20	337.52
3.5	0.08	0.21	355.62
3.7	0.08	0.22	393.27
3.8	0.08	0.23	412.81
3.9	0.08	0.24	432.84
4.0	0.08	0.25	453.35
4.2	0.08	0.26	495.86
4.3	0.09	0.27	517.85
4.4	0.09	0.28	540.35
4.5	0.09	0.29	563.35
4.6	0.09	0.30	586.85
4.7	0.09	0.31	610.87
4.9	0.09	0.32	660.43
5.0	0.09	0.33	685.99
5.1	0.09	0.34	712.07
5.2	0.09	0.35	738.68
5.3	0.10	0.36	765.81
5.4	0.10	0.37	793.47
5.5	0.10	0.38	821.67
5.6	0.10	0.39	850.41
5.7	0.10	0.40	879.68
5.8	0.10	0.41	909.50
5.9	0.10	0.42	939.87
6.0	0.10	0.43	970.78
6.1	2	100	20000

END FTABLE328

FTABLE 316

62 5

0.0	0.12	0.00	0.00	0.77
0.1	0.13	0.01	1.08	0.77
0.2	0.13	0.03	3.43	0.77

0.3	0.13	0.04	6.74	0.77
0.4	0.13	0.05	10.88	0.77
0.5	0.14	0.06	15.77	0.77
0.6	0.14	0.08	21.36	0.77
0.7	0.14	0.09	27.62	0.77
0.8	0.15	0.11	34.52	0.77
0.9	0.15	0.12	42.04	0.77
1.0	0.15	0.14	50.16	0.77
1.1	0.16	0.15	58.87	0.77
1.2	0.16	0.17	68.15	0.77
1.3	0.16	0.18	78.01	0.77
1.4	0.17	0.20	88.43	0.77
1.5	0.17	0.22	99.41	0.77
1.6	0.17	0.23	110.95	0.77
1.7	0.17	0.25	123.03	0.77
1.8	0.18	0.27	135.68	0.77
1.9	0.18	0.29	148.87	0.77
2.0	0.18	0.31	162.61	0.77
2.1	0.19	0.32	176.90	0.77
2.2	0.19	0.34	191.74	0.77
2.3	0.19	0.36	207.13	0.77
2.4	0.20	0.38	223.08	0.77
2.5	0.20	0.40	239.57	0.77
2.6	0.20	0.42	256.63	0.77
2.7	0.20	0.44	274.24	0.77
2.8	0.21	0.46	292.42	0.77
2.9	0.21	0.48	311.15	0.77
3.0	0.21	0.50	330.46	0.77
3.1	0.22	0.53	350.33	0.77
3.2	0.22	0.55	370.77	0.77
3.3	0.22	0.57	391.78	0.77
3.4	0.23	0.59	413.38	0.77
3.5	0.23	0.62	435.55	0.77

3.6	0.23	0.64	458.31	0.77
3.7	0.24	0.66	481.65	0.77
3.8	0.24	0.69	505.58	0.77
3.9	0.24	0.71	530.11	0.77
4.0	0.24	0.73	555.24	0.77
4.1	0.25	0.76	580.97	0.77
4.2	0.25	0.78	607.30	0.77
4.3	0.25	0.81	634.24	0.77
4.4	0.26	0.83	661.79	0.77
4.5	0.26	0.86	689.96	0.77
4.6	0.26	0.89	718.74	0.77
4.7	0.27	0.91	748.15	0.77
4.8	0.27	0.94	778.19	0.77
4.9	0.27	0.97	808.86	0.77
5.0	0.28	0.99	840.16	0.77
5.1	0.28	1.02	872.11	0.77
5.2	0.28	1.05	904.69	0.77
5.3	0.28	1.08	937.92	0.77
5.4	0.29	1.11	971.80	0.77
5.5	0.29	1.14	1006.34	0.77
5.6	0.29	1.16	1041.53	0.77
5.7	0.30	1.19	1077.39	0.77
5.8	0.30	1.22	1113.91	0.77
5.9	0.30	1.25	1151.10	0.77
6.0	0.31	1.28	1188.96	0.77
6.1	2	100	20000	0.77

END FTABLE316

FTABLE 344

62 4

0.0	0.76	0.00	0.00
0.1	0.77	0.08	2.56
0.2	0.79	0.15	8.11
0.3	0.81	0.24	15.92

0.4	0.83	0.32	25.69
0.5	0.85	0.40	37.24
0.6	0.87	0.49	50.45
0.7	0.89	0.58	65.24
0.8	0.91	0.66	81.53
0.9	0.93	0.76	99.29
1.0	0.94	0.85	118.46
1.1	0.96	0.95	139.03
1.2	0.98	1.04	160.96
1.3	1.00	1.14	184.24
1.4	1.02	1.24	208.85
1.5	1.04	1.35	234.78
1.6	1.06	1.45	262.02
1.7	1.08	1.56	290.58
1.8	1.10	1.67	320.43
1.9	1.11	1.78	351.58
2.0	1.13	1.89	384.03
2.1	1.15	2.00	417.78
2.2	1.17	2.12	452.83
2.3	1.19	2.24	489.19
2.4	1.21	2.36	526.84
2.5	1.23	2.48	565.81
2.6	1.25	2.60	606.09
2.7	1.27	2.73	647.69
2.8	1.28	2.86	690.61
2.9	1.30	2.99	734.86
3.0	1.32	3.12	780.45
3.1	1.34	3.25	827.38
3.2	1.36	3.38	875.65
3.3	1.38	3.52	925.29
3.4	1.40	3.66	976.28
3.5	1.42	3.80	1028.65
3.6	1.44	3.94	1082.40

3.7	1.45	4.09	1137.53
3.8	1.47	4.23	1194.06
3.9	1.49	4.38	1251.99
4.0	1.51	4.53	1311.33
4.1	1.53	4.69	1372.09
4.2	1.55	4.84	1434.27
4.3	1.57	5.00	1497.90
4.4	1.59	5.15	1562.97
4.5	1.61	5.31	1629.49
4.6	1.62	5.47	1697.48
4.7	1.64	5.64	1766.94
4.8	1.66	5.80	1837.88
4.9	1.68	5.97	1910.31
5.0	1.70	6.14	1984.24
5.1	1.72	6.31	2059.68
5.2	1.74	6.48	2136.64
5.3	1.76	6.66	2215.12
5.4	1.78	6.83	2295.14
5.5	1.79	7.01	2376.70
5.6	1.81	7.19	2459.82
5.7	1.83	7.38	2544.50
5.8	1.85	7.56	2630.75
5.9	1.87	7.75	2718.59
6.0	1.89	7.93	2808.01
6.1	2	100	20000

END FTABLE344

FTABLE 330

62 4

0.0	0.33	0.00	0.00
0.1	0.34	0.03	2.50
0.2	0.35	0.07	7.93
0.3	0.36	0.10	15.57
0.4	0.37	0.14	25.12

0.5	0.37	0.18	36.41
0.6	0.38	0.21	49.33
0.7	0.39	0.25	63.79
0.8	0.40	0.29	79.73
0.9	0.41	0.33	97.09
1.0	0.42	0.37	115.84
1.1	0.42	0.42	135.95
1.2	0.43	0.46	157.39
1.3	0.44	0.50	180.15
1.4	0.45	0.55	204.22
1.5	0.46	0.59	229.58
1.6	0.47	0.64	256.22
1.7	0.47	0.68	284.14
1.8	0.48	0.73	313.33
1.9	0.49	0.78	343.79
2.0	0.50	0.83	375.52
2.1	0.51	0.88	408.53
2.2	0.51	0.93	442.80
2.3	0.52	0.98	478.35
2.4	0.53	1.04	515.17
2.5	0.54	1.09	553.27
2.6	0.55	1.14	592.66
2.7	0.56	1.20	633.34
2.8	0.56	1.26	675.31
2.9	0.57	1.31	718.58
3.0	0.58	1.37	763.16
3.1	0.59	1.43	809.04
3.2	0.60	1.49	856.25
3.3	0.61	1.55	904.79
3.4	0.61	1.61	954.65
3.5	0.62	1.67	1005.86
3.6	0.63	1.73	1058.41
3.7	0.64	1.80	1112.32

3.8	0.65	1.86	1167.60
3.9	0.66	1.93	1224.24
4.0	0.66	1.99	1282.27
4.1	0.67	2.06	1341.68
4.2	0.68	2.13	1402.49
4.3	0.69	2.20	1464.71
4.4	0.70	2.27	1528.34
4.5	0.71	2.34	1593.39
4.6	0.71	2.41	1659.87
4.7	0.72	2.48	1727.79
4.8	0.73	2.55	1797.16
4.9	0.74	2.62	1867.98
5.0	0.75	2.70	1940.28
5.1	0.76	2.77	2014.04
5.2	0.76	2.85	2089.29
5.3	0.77	2.93	2166.04
5.4	0.78	3.00	2244.28
5.5	0.79	3.08	2324.04
5.6	0.80	3.16	2405.31
5.7	0.81	3.24	2488.12
5.8	0.81	3.32	2572.46
5.9	0.82	3.41	2658.35
6.0	0.83	3.49	2745.79
6.1	2	100	20000

END FTABLE330

FTABLE 368

62 5

0.0	0.37	0.00	0.00	0.66
0.1	0.38	0.04	0.96	0.66
0.2	0.39	0.08	3.03	0.66
0.3	0.40	0.11	5.95	0.66
0.4	0.41	0.15	9.59	0.66
0.5	0.41	0.20	13.91	0.66

0.6	0.42	0.24	18.84	0.66
0.7	0.43	0.28	24.36	0.66
0.8	0.44	0.32	30.45	0.66
0.9	0.45	0.37	37.08	0.66
1.0	0.46	0.41	44.24	0.66
1.1	0.47	0.46	51.92	0.66
1.2	0.48	0.51	60.11	0.66
1.3	0.49	0.56	68.80	0.66
1.4	0.50	0.61	77.99	0.66
1.5	0.51	0.66	87.67	0.66
1.6	0.52	0.71	97.84	0.66
1.7	0.52	0.76	108.51	0.66
1.8	0.53	0.81	119.65	0.66
1.9	0.54	0.87	131.29	0.66
2.0	0.55	0.92	143.41	0.66
2.1	0.56	0.98	156.01	0.66
2.2	0.57	1.03	169.10	0.66
2.3	0.58	1.09	182.67	0.66
2.4	0.59	1.15	196.73	0.66
2.5	0.60	1.21	211.29	0.66
2.6	0.61	1.27	226.33	0.66
2.7	0.62	1.33	241.86	0.66
2.8	0.63	1.39	257.89	0.66
2.9	0.64	1.46	274.41	0.66
3.0	0.64	1.52	291.44	0.66
3.1	0.65	1.58	308.96	0.66
3.2	0.66	1.65	326.99	0.66
3.3	0.67	1.72	345.52	0.66
3.4	0.68	1.78	364.56	0.66
3.5	0.69	1.85	384.12	0.66
3.6	0.70	1.92	404.19	0.66
3.7	0.71	1.99	424.78	0.66
3.8	0.72	2.06	445.88	0.66

3.9	0.73	2.14	467.52	0.66
4.0	0.74	2.21	489.67	0.66
4.1	0.75	2.28	512.36	0.66
4.2	0.76	2.36	535.59	0.66
4.3	0.76	2.43	559.34	0.66
4.4	0.77	2.51	583.64	0.66
4.5	0.78	2.59	608.48	0.66
4.6	0.79	2.67	633.87	0.66
4.7	0.80	2.75	659.81	0.66
4.8	0.81	2.83	686.30	0.66
4.9	0.82	2.91	713.35	0.66
5.0	0.83	2.99	740.96	0.66
5.1	0.84	3.08	769.13	0.66
5.2	0.85	3.16	797.86	0.66
5.3	0.86	3.25	827.17	0.66
5.4	0.87	3.33	857.05	0.66
5.5	0.87	3.42	887.51	0.66
5.6	0.88	3.51	918.54	0.66
5.7	0.89	3.60	950.17	0.66
5.8	0.90	3.68	982.37	0.66
5.9	0.91	3.78	1015.17	0.66
6.0	0.92	3.87	1048.57	0.66
6.1	2	100	20000	0.66

END FTABLE368

FTABLE 340

62 4

0.0	0.20	0.00	0.00
0.1	0.21	0.02	3.04
0.2	0.21	0.04	9.62
0.3	0.22	0.06	18.88
0.4	0.22	0.09	30.47
0.5	0.23	0.11	44.16
0.6	0.23	0.13	59.83

0.7	0.24	0.15	77.37
0.8	0.24	0.18	96.69
0.9	0.25	0.20	117.75
1.0	0.25	0.23	140.49
1.1	0.26	0.25	164.87
1.2	0.26	0.28	190.88
1.3	0.27	0.31	218.49
1.4	0.27	0.33	247.67
1.5	0.28	0.36	278.43
1.6	0.28	0.39	310.74
1.7	0.29	0.42	344.60
1.8	0.29	0.45	380.00
1.9	0.30	0.48	416.94
2.0	0.30	0.51	455.43
2.1	0.31	0.54	495.45
2.2	0.31	0.57	537.02
2.3	0.32	0.60	580.13
2.4	0.33	0.63	624.79
2.5	0.33	0.67	671.00
2.6	0.34	0.70	718.77
2.7	0.34	0.73	768.10
2.8	0.35	0.77	819.00
2.9	0.35	0.80	871.48
3.0	0.36	0.84	925.54
3.1	0.36	0.87	981.19
3.2	0.37	0.91	1038.44
3.3	0.37	0.95	1097.31
3.4	0.38	0.98	1157.78
3.5	0.38	1.02	1219.88
3.6	0.39	1.06	1283.62
3.7	0.39	1.10	1349.00
3.8	0.40	1.14	1416.04
3.9	0.40	1.18	1484.74

4.0	0.41	1.22	1555.11
4.1	0.41	1.26	1627.17
4.2	0.42	1.30	1700.91
4.3	0.42	1.34	1776.37
4.4	0.43	1.39	1853.54
4.5	0.43	1.43	1932.43
4.6	0.44	1.47	2013.05
4.7	0.44	1.52	2095.43
4.8	0.45	1.56	2179.56
4.9	0.45	1.61	2265.45
5.0	0.46	1.65	2353.13
5.1	0.46	1.70	2442.59
5.2	0.47	1.74	2533.85
5.3	0.47	1.79	2626.92
5.4	0.48	1.84	2721.82
5.5	0.48	1.89	2818.54
5.6	0.49	1.93	2917.11
5.7	0.49	1.98	3017.54
5.8	0.50	2.03	3119.82
5.9	0.50	2.08	3223.99
6.0	0.51	2.13	3330.04
6.1	2	100	20000

END FTABLE340

FTABLE 335

62 4

0.0	0.73	0.00	0.00
0.1	0.75	0.07	2.19
0.2	0.76	0.15	6.95
0.3	0.78	0.23	13.63
0.4	0.80	0.31	22.00
0.5	0.82	0.39	31.88
0.6	0.84	0.47	43.20
0.7	0.86	0.55	55.86

0.8	0.87	0.64	69.81
0.9	0.89	0.73	85.01
1.0	0.91	0.82	101.43
1.1	0.93	0.91	119.03
1.2	0.95	1.00	137.81
1.3	0.96	1.10	157.74
1.4	0.98	1.20	178.81
1.5	1.00	1.30	201.02
1.6	1.02	1.40	224.34
1.7	1.04	1.50	248.79
1.8	1.06	1.60	274.35
1.9	1.07	1.71	301.02
2.0	1.09	1.82	328.81
2.1	1.11	1.93	357.70
2.2	1.13	2.04	387.71
2.3	1.15	2.15	418.84
2.4	1.16	2.27	451.08
2.5	1.18	2.39	484.44
2.6	1.20	2.51	518.93
2.7	1.22	2.63	554.55
2.8	1.24	2.75	591.30
2.9	1.26	2.88	629.18
3.0	1.27	3.00	668.22
3.1	1.29	3.13	708.40
3.2	1.31	3.26	749.73
3.3	1.33	3.39	792.23
3.4	1.35	3.53	835.89
3.5	1.36	3.66	880.73
3.6	1.38	3.80	926.74
3.7	1.40	3.94	973.95
3.8	1.42	4.08	1022.34
3.9	1.44	4.22	1071.94
4.0	1.46	4.37	1122.75

4.1	1.47	4.51	1174.77
4.2	1.49	4.66	1228.02
4.3	1.51	4.81	1282.49
4.4	1.53	4.96	1338.20
4.5	1.55	5.12	1395.16
4.6	1.56	5.27	1453.37
4.7	1.58	5.43	1512.84
4.8	1.60	5.59	1573.58
4.9	1.62	5.75	1635.60
5.0	1.64	5.91	1698.90
5.1	1.66	6.08	1763.49
5.2	1.67	6.24	1829.38
5.3	1.69	6.41	1896.57
5.4	1.71	6.58	1965.08
5.5	1.73	6.75	2034.92
5.6	1.75	6.93	2106.08
5.7	1.76	7.10	2178.58
5.8	1.78	7.28	2252.43
5.9	1.80	7.46	2327.64
6.0	1.82	7.64	2404.20
6.1	2	100	20000

END FTABLE335

FTABLE 346

62 5

0.0	0.34	0.00	0.00	0.77
0.1	0.35	0.03	1.27	0.77
0.2	0.35	0.07	4.03	0.77
0.3	0.36	0.11	7.91	0.77
0.4	0.37	0.14	12.77	0.77
0.5	0.38	0.18	18.51	0.77
0.6	0.39	0.22	25.07	0.77
0.7	0.40	0.26	32.42	0.77
0.8	0.40	0.30	40.52	0.77

0.9	0.41	0.34	49.35	0.77
1.0	0.42	0.38	58.88	0.77
1.1	0.43	0.42	69.10	0.77
1.2	0.44	0.47	80.00	0.77
1.3	0.45	0.51	91.57	0.77
1.4	0.46	0.56	103.80	0.77
1.5	0.46	0.60	116.69	0.77
1.6	0.47	0.65	130.23	0.77
1.7	0.48	0.70	144.42	0.77
1.8	0.49	0.74	159.25	0.77
1.9	0.50	0.79	174.74	0.77
2.0	0.51	0.84	190.87	0.77
2.1	0.51	0.89	207.64	0.77
2.2	0.52	0.95	225.06	0.77
2.3	0.53	1.00	243.13	0.77
2.4	0.54	1.05	261.84	0.77
2.5	0.55	1.11	281.21	0.77
2.6	0.56	1.16	301.23	0.77
2.7	0.57	1.22	321.90	0.77
2.8	0.57	1.28	343.24	0.77
2.9	0.58	1.33	365.23	0.77
3.0	0.59	1.39	387.89	0.77
3.1	0.60	1.45	411.21	0.77
3.2	0.61	1.51	435.20	0.77
3.3	0.62	1.57	459.87	0.77
3.4	0.62	1.64	485.22	0.77
3.5	0.63	1.70	511.24	0.77
3.6	0.64	1.76	537.95	0.77
3.7	0.65	1.83	565.36	0.77
3.8	0.66	1.89	593.45	0.77
3.9	0.67	1.96	622.24	0.77
4.0	0.67	2.02	651.73	0.77
4.1	0.68	2.09	681.93	0.77

4.2	0.69	2.16	712.84	0.77
4.3	0.70	2.23	744.46	0.77
4.4	0.71	2.30	776.80	0.77
4.5	0.72	2.37	809.86	0.77
4.6	0.73	2.45	843.65	0.77
4.7	0.73	2.52	878.18	0.77
4.8	0.74	2.59	913.43	0.77
4.9	0.75	2.67	949.43	0.77
5.0	0.76	2.74	986.17	0.77
5.1	0.77	2.82	1023.67	0.77
5.2	0.78	2.90	1061.92	0.77
5.3	0.78	2.97	1100.92	0.77
5.4	0.79	3.05	1140.69	0.77
5.5	0.80	3.13	1181.23	0.77
5.6	0.81	3.21	1222.54	0.77
5.7	0.82	3.29	1264.62	0.77
5.8	0.83	3.38	1307.49	0.77
5.9	0.84	3.46	1351.15	0.77
6.0	0.84	3.54	1395.59	0.77
6.1	2	100	20000	0.77

END FTABLE346

FTABLE 401

62 5

0.0	0.85	0.00	0.00	0.02
0.1	0.87	0.09	1.73	0.02
0.2	0.89	0.17	5.49	0.02
0.3	0.92	0.27	10.78	0.02
0.4	0.94	0.36	17.39	0.02
0.5	0.96	0.45	25.21	0.02
0.6	0.98	0.55	34.15	0.02
0.7	1.00	0.65	44.16	0.02
0.8	1.02	0.75	55.19	0.02
0.9	1.04	0.85	67.21	0.02

1.0	1.07	0.96	80.18	0.02
1.1	1.09	1.07	94.10	0.02
1.2	1.11	1.18	108.95	0.02
1.3	1.13	1.29	124.71	0.02
1.4	1.15	1.40	141.36	0.02
1.5	1.17	1.52	158.92	0.02
1.6	1.19	1.64	177.36	0.02
1.7	1.21	1.76	196.68	0.02
1.8	1.24	1.88	216.89	0.02
1.9	1.26	2.00	237.98	0.02
2.0	1.28	2.13	259.94	0.02
2.1	1.30	2.26	282.79	0.02
2.2	1.32	2.39	306.51	0.02
2.3	1.34	2.52	331.12	0.02
2.4	1.36	2.66	356.61	0.02
2.5	1.38	2.80	382.99	0.02
2.6	1.41	2.94	410.25	0.02
2.7	1.43	3.08	438.41	0.02
2.8	1.45	3.22	467.46	0.02
2.9	1.47	3.37	497.41	0.02
3.0	1.49	3.52	528.27	0.02
3.1	1.51	3.67	560.04	0.02
3.2	1.53	3.82	592.71	0.02
3.3	1.56	3.97	626.31	0.02
3.4	1.58	4.13	660.83	0.02
3.5	1.60	4.29	696.27	0.02
3.6	1.62	4.45	732.65	0.02
3.7	1.64	4.61	769.97	0.02
3.8	1.66	4.78	808.23	0.02
3.9	1.68	4.94	847.44	0.02
4.0	1.70	5.11	887.61	0.02
4.1	1.73	5.28	928.74	0.02
4.2	1.75	5.46	970.83	0.02

4.3	1.77	5.63	1013.90	0.02
4.4	1.79	5.81	1057.94	0.02
4.5	1.81	5.99	1102.97	0.02
4.6	1.83	6.17	1148.99	0.02
4.7	1.85	6.36	1196.01	0.02
4.8	1.87	6.54	1244.03	0.02
4.9	1.90	6.73	1293.05	0.02
5.0	1.92	6.92	1343.10	0.02
5.1	1.94	7.12	1394.16	0.02
5.2	1.96	7.31	1446.25	0.02
5.3	1.98	7.51	1499.37	0.02
5.4	2.00	7.71	1553.53	0.02
5.5	2.02	7.91	1608.74	0.02
5.6	2.05	8.11	1665.00	0.02
5.7	2.07	8.32	1722.32	0.02
5.8	2.09	8.53	1780.70	0.02
5.9	2.11	8.74	1840.16	0.02
6.0	2.13	8.95	1900.69	0.02
6.1	2	100	20000	0.02

END FTABLE401

FTABLE 407

62 5

0.0	0.22	0.00	0.00	0.66
0.1	0.23	0.02	0.91	0.66
0.2	0.23	0.05	2.90	0.66
0.3	0.24	0.07	5.68	0.66
0.4	0.25	0.09	9.17	0.66
0.5	0.25	0.12	13.30	0.66
0.6	0.26	0.14	18.01	0.66
0.7	0.26	0.17	23.29	0.66
0.8	0.27	0.20	29.11	0.66
0.9	0.27	0.22	35.45	0.66
1.0	0.28	0.25	42.30	0.66

1.1	0.28	0.28	49.64	0.66
1.2	0.29	0.31	57.47	0.66
1.3	0.30	0.34	65.78	0.66
1.4	0.30	0.37	74.57	0.66
1.5	0.31	0.40	83.83	0.66
1.6	0.31	0.43	93.56	0.66
1.7	0.32	0.46	103.75	0.66
1.8	0.32	0.49	114.41	0.66
1.9	0.33	0.52	125.53	0.66
2.0	0.33	0.56	137.12	0.66
2.1	0.34	0.59	149.17	0.66
2.2	0.35	0.63	161.69	0.66
2.3	0.35	0.66	174.67	0.66
2.4	0.36	0.70	188.11	0.66
2.5	0.36	0.73	202.03	0.66
2.6	0.37	0.77	216.41	0.66
2.7	0.37	0.81	231.26	0.66
2.8	0.38	0.84	246.59	0.66
2.9	0.39	0.88	262.39	0.66
3.0	0.39	0.92	278.67	0.66
3.1	0.40	0.96	295.42	0.66
3.2	0.40	1.00	312.66	0.66
3.3	0.41	1.04	330.38	0.66
3.4	0.41	1.08	348.59	0.66
3.5	0.42	1.12	367.29	0.66
3.6	0.42	1.17	386.48	0.66
3.7	0.43	1.21	406.16	0.66
3.8	0.44	1.25	426.35	0.66
3.9	0.44	1.30	447.03	0.66
4.0	0.45	1.34	468.22	0.66
4.1	0.45	1.38	489.91	0.66
4.2	0.46	1.43	512.12	0.66
4.3	0.46	1.48	534.84	0.66

4.4	0.47	1.52	558.07	0.66
4.5	0.47	1.57	581.82	0.66
4.6	0.48	1.62	606.10	0.66
4.7	0.49	1.67	630.90	0.66
4.8	0.49	1.71	656.23	0.66
4.9	0.50	1.76	682.09	0.66
5.0	0.50	1.81	708.49	0.66
5.1	0.51	1.86	735.42	0.66
5.2	0.51	1.92	762.90	0.66
5.3	0.52	1.97	790.92	0.66
5.4	0.52	2.02	819.50	0.66
5.5	0.53	2.07	848.62	0.66
5.6	0.54	2.13	878.30	0.66
5.7	0.54	2.18	908.53	0.66
5.8	0.55	2.23	939.33	0.66
5.9	0.55	2.29	970.69	0.66
6.0	0.56	2.34	1002.62	0.66
6.1	2	100	20000	0.66

END FTABLE407

FTABLE 334

55 4

0.0	0.06	0.00	0.00
0.1	0.06	0.01	1.28
0.3	0.06	0.02	7.98
0.5	0.06	0.03	18.66
0.6	0.06	0.04	25.28
0.8	0.07	0.05	40.85
0.9	0.07	0.06	49.74
1.1	0.07	0.07	69.65
1.2	0.07	0.08	80.64
1.4	0.07	0.09	104.63
1.5	0.08	0.10	117.62
1.6	0.08	0.11	131.27

1.8	0.08	0.12	160.53
1.9	0.08	0.13	176.14
2.0	0.08	0.14	192.40
2.1	0.08	0.15	209.31
2.2	0.09	0.16	226.87
2.4	0.09	0.17	263.95
2.5	0.09	0.18	283.47
2.6	0.09	0.19	303.65
2.7	0.09	0.20	324.49
2.8	0.09	0.21	345.99
2.9	0.10	0.22	368.16
3.0	0.10	0.23	391.00
3.1	0.10	0.24	414.51
3.2	0.10	0.25	438.70
3.3	0.10	0.26	463.56
3.4	0.10	0.27	489.11
3.5	0.10	0.28	515.35
3.6	0.11	0.29	542.28
3.7	0.11	0.30	569.90
3.8	0.11	0.31	598.22
3.9	0.11	0.32	627.24
4.0	0.11	0.33	656.97
4.1	0.11	0.34	687.41
4.2	0.11	0.36	718.56
4.3	0.12	0.37	750.44
4.4	0.12	0.38	783.04
4.5	0.12	0.39	816.37
4.6	0.12	0.40	850.43
4.7	0.12	0.41	885.23
4.8	0.12	0.43	920.77
4.9	0.12	0.44	957.06
5.0	0.12	0.45	994.10
5.1	0.13	0.46	1031.89

5.2	0.13	0.48	1070.44
5.3	0.13	0.49	1109.76
5.4	0.13	0.50	1149.85
5.5	0.13	0.51	1190.72
5.6	0.13	0.53	1232.36
5.7	0.13	0.54	1274.78
5.8	0.14	0.55	1317.99
5.9	0.14	0.57	1362.00
6.0	0.14	0.58	1406.80
6.1	2	100	20000

END FTABLE334

*** Palouse Family Apts, City of Spokane ponds, 2.69 acre area, only evaporation occur, storage of 9.17 acre ft is considered in outflow

FTABLE 345

3	5			
0.0	2.69	0.00	0.00	1.32
6.0	2.69	9.17	0.00	1.32
6.1	2.69	100	20000	1.32

END FTABLE345

FTABLE 371

62	4		
0.0	0.11	0.00	0.00
0.1	0.11	0.01	0.94
0.2	0.11	0.02	2.99
0.3	0.12	0.03	5.86
0.4	0.12	0.05	9.46
0.5	0.12	0.06	13.71
0.6	0.12	0.07	18.57
0.7	0.13	0.08	24.01
0.8	0.13	0.10	30.01
0.9	0.13	0.11	36.54
1.0	0.14	0.12	43.60
1.1	0.14	0.14	51.17

1.2	0.14	0.15	59.24
1.3	0.14	0.16	67.81
1.4	0.15	0.18	76.87
1.5	0.15	0.19	86.41
1.6	0.15	0.21	96.44
1.7	0.15	0.22	106.95
1.8	0.16	0.24	117.93
1.9	0.16	0.25	129.40
2.0	0.16	0.27	141.34
2.1	0.16	0.29	153.76
2.2	0.17	0.30	166.66
2.3	0.17	0.32	180.04
2.4	0.17	0.34	193.90
2.5	0.18	0.35	208.24
2.6	0.18	0.37	223.07
2.7	0.18	0.39	238.38
2.8	0.18	0.41	254.18
2.9	0.19	0.43	270.46
3.0	0.19	0.45	287.24
3.1	0.19	0.46	304.51
3.2	0.19	0.48	322.28
3.3	0.20	0.50	340.55
3.4	0.20	0.52	359.32
3.5	0.20	0.54	378.59
3.6	0.21	0.56	398.37
3.7	0.21	0.58	418.66
3.8	0.21	0.61	439.47
3.9	0.21	0.63	460.79
4.0	0.22	0.65	482.63
4.1	0.22	0.67	504.99
4.2	0.22	0.69	527.88
4.3	0.22	0.71	551.30
4.4	0.23	0.74	575.25

4.5	0.23	0.76	599.73
4.6	0.23	0.78	624.75
4.7	0.23	0.81	650.32
4.8	0.24	0.83	676.43
4.9	0.24	0.85	703.08
5.0	0.24	0.88	730.29
5.1	0.25	0.90	758.06
5.2	0.25	0.93	786.38
5.3	0.25	0.95	815.27
5.4	0.25	0.98	844.72
5.5	0.26	1.00	874.74
5.6	0.26	1.03	905.33
5.7	0.26	1.05	936.49
5.8	0.26	1.08	968.24
5.9	0.27	1.11	1000.57
6.0	0.27	1.13	1033.48
6.1	2	100	20000

END FTABLE371

FTABLE 324

62 4

0.0	0.13	0.00	0.00
0.1	0.14	0.01	1.23
0.2	0.14	0.03	3.90
0.3	0.14	0.04	7.65
0.4	0.15	0.06	12.35
0.5	0.15	0.07	17.90
0.6	0.15	0.09	24.25
0.7	0.16	0.10	31.36
0.8	0.16	0.12	39.19
0.9	0.16	0.13	47.73
1.0	0.16	0.15	56.95
1.1	0.17	0.17	66.83
1.2	0.17	0.18	77.37

1.3	0.17	0.20	88.56
1.4	0.18	0.22	100.39
1.5	0.18	0.23	112.86
1.6	0.18	0.25	125.96
1.7	0.19	0.27	139.68
1.8	0.19	0.29	154.03
1.9	0.19	0.31	169.01
2.0	0.20	0.33	184.61
2.1	0.20	0.35	200.83
2.2	0.20	0.37	217.68
2.3	0.21	0.39	235.15
2.4	0.21	0.41	253.26
2.5	0.21	0.43	271.99
2.6	0.22	0.45	291.35
2.7	0.22	0.48	311.35
2.8	0.22	0.50	331.98
2.9	0.23	0.52	353.25
3.0	0.23	0.54	375.16
3.1	0.23	0.57	397.72
3.2	0.24	0.59	420.93
3.3	0.24	0.61	444.79
3.4	0.24	0.64	469.30
3.5	0.25	0.66	494.48
3.6	0.25	0.69	520.31
3.7	0.25	0.71	546.81
3.8	0.26	0.74	573.99
3.9	0.26	0.77	601.83
4.0	0.26	0.79	630.36
4.1	0.27	0.82	659.57
4.2	0.27	0.84	689.46
4.3	0.27	0.87	720.04
4.4	0.28	0.90	751.32
4.5	0.28	0.93	783.30

4.6	0.28	0.96	815.99
4.7	0.29	0.98	849.37
4.8	0.29	1.01	883.48
4.9	0.29	1.04	918.29
5.0	0.30	1.07	953.83
5.1	0.30	1.10	990.10
5.2	0.30	1.13	1027.09
5.3	0.31	1.16	1064.82
5.4	0.31	1.19	1103.28
5.5	0.31	1.22	1142.49
5.6	0.32	1.26	1182.44
5.7	0.32	1.29	1223.15
5.8	0.32	1.32	1264.61
5.9	0.33	1.35	1306.83
6.0	0.33	1.39	1349.82
6.1	2	100	20000

END FTABLE324

FTABLE 329

62 4

0.0	0.20	0.00	0.00
0.1	0.20	0.02	1.31
0.2	0.21	0.04	4.16
0.3	0.21	0.06	8.16
0.4	0.22	0.08	13.17
0.5	0.22	0.10	19.10
0.6	0.23	0.13	25.87
0.7	0.23	0.15	33.45
0.8	0.24	0.17	41.81
0.9	0.24	0.20	50.91
1.0	0.25	0.22	60.75
1.1	0.25	0.25	71.29
1.2	0.26	0.27	82.54
1.3	0.26	0.30	94.47

1.4	0.27	0.32	107.09
1.5	0.27	0.35	120.39
1.6	0.28	0.38	134.36
1.7	0.28	0.41	149.00
1.8	0.29	0.43	164.31
1.9	0.29	0.46	180.29
2.0	0.29	0.49	196.93
2.1	0.30	0.52	214.23
2.2	0.30	0.55	232.21
2.3	0.31	0.58	250.85
2.4	0.31	0.61	270.16
2.5	0.32	0.65	290.14
2.6	0.32	0.68	310.79
2.7	0.33	0.71	332.13
2.8	0.33	0.74	354.14
2.9	0.34	0.78	376.83
3.0	0.34	0.81	400.20
3.1	0.35	0.85	424.27
3.2	0.35	0.88	449.02
3.3	0.36	0.92	474.47
3.4	0.36	0.95	500.62
3.5	0.37	0.99	527.48
3.6	0.37	1.03	555.04
3.7	0.38	1.06	583.31
3.8	0.38	1.10	612.29
3.9	0.39	1.14	642.00
4.0	0.39	1.18	672.43
4.1	0.40	1.22	703.58
4.2	0.40	1.26	735.47
4.3	0.41	1.30	768.10
4.4	0.41	1.34	801.47
4.5	0.42	1.38	835.58
4.6	0.42	1.42	870.44

4.7	0.43	1.47	906.06
4.8	0.43	1.51	942.44
4.9	0.44	1.55	979.58
5.0	0.44	1.60	1017.49
5.1	0.45	1.64	1056.17
5.2	0.45	1.69	1095.64
5.3	0.46	1.73	1135.88
5.4	0.46	1.78	1176.91
5.5	0.47	1.82	1218.74
5.6	0.47	1.87	1261.36
5.7	0.48	1.92	1304.78
5.8	0.48	1.97	1349.01
5.9	0.49	2.02	1394.05
6.0	0.49	2.06	1439.91
6.1	2	100	20000

END FTABLE329

FTABLE 383

62 5

0.0	0.21	0.00	0.00	0.22
0.1	0.22	0.02	0.94	0.22
0.2	0.22	0.04	2.99	0.22
0.3	0.23	0.07	5.86	0.22
0.4	0.23	0.09	9.46	0.22
0.5	0.24	0.11	13.71	0.22
0.6	0.24	0.14	18.57	0.22
0.7	0.25	0.16	24.01	0.22
0.8	0.25	0.19	30.01	0.22
0.9	0.26	0.21	36.54	0.22
1.0	0.26	0.24	43.60	0.22
1.1	0.27	0.26	51.17	0.22
1.2	0.27	0.29	59.24	0.22
1.3	0.28	0.32	67.81	0.22
1.4	0.28	0.35	76.87	0.22

1.5	0.29	0.37	86.41	0.22
1.6	0.29	0.40	96.44	0.22
1.7	0.30	0.43	106.95	0.22
1.8	0.31	0.46	117.93	0.22
1.9	0.31	0.49	129.40	0.22
2.0	0.32	0.53	141.34	0.22
2.1	0.32	0.56	153.76	0.22
2.2	0.33	0.59	166.66	0.22
2.3	0.33	0.62	180.04	0.22
2.4	0.34	0.66	193.90	0.22
2.5	0.34	0.69	208.24	0.22
2.6	0.35	0.72	223.07	0.22
2.7	0.35	0.76	238.38	0.22
2.8	0.36	0.80	254.18	0.22
2.9	0.36	0.83	270.46	0.22
3.0	0.37	0.87	287.24	0.22
3.1	0.37	0.91	304.51	0.22
3.2	0.38	0.94	322.28	0.22
3.3	0.38	0.98	340.55	0.22
3.4	0.39	1.02	359.32	0.22
3.5	0.39	1.06	378.59	0.22
3.6	0.40	1.10	398.37	0.22
3.7	0.41	1.14	418.66	0.22
3.8	0.41	1.18	439.47	0.22
3.9	0.42	1.22	460.79	0.22
4.0	0.42	1.26	482.63	0.22
4.1	0.43	1.30	504.99	0.22
4.2	0.43	1.35	527.88	0.22
4.3	0.44	1.39	551.30	0.22
4.4	0.44	1.44	575.25	0.22
4.5	0.45	1.48	599.73	0.22
4.6	0.45	1.52	624.75	0.22
4.7	0.46	1.57	650.32	0.22

4.8	0.46	1.62	676.43	0.22
4.9	0.47	1.66	703.08	0.22
5.0	0.47	1.71	730.29	0.22
5.1	0.48	1.76	758.06	0.22
5.2	0.48	1.81	786.38	0.22
5.3	0.49	1.85	815.27	0.22
5.4	0.49	1.90	844.72	0.22
5.5	0.50	1.95	874.74	0.22
5.6	0.51	2.00	905.33	0.22
5.7	0.51	2.05	936.49	0.22
5.8	0.52	2.11	968.24	0.22
5.9	0.52	2.16	1000.57	0.22
6.0	0.53	2.21	1033.48	0.22
6.1	2	100	20000	0.22

END FTABLE383

FTABLE 367

62 4

0.0	0.36	0.00	0.00
0.1	0.37	0.04	3.18
0.2	0.37	0.07	10.09
0.3	0.38	0.11	19.79
0.4	0.39	0.15	31.94
0.5	0.40	0.19	46.30
0.6	0.41	0.23	62.73
0.7	0.42	0.27	81.11
0.8	0.43	0.31	101.37
0.9	0.44	0.36	123.44
1.0	0.45	0.40	147.29
1.1	0.45	0.45	172.85
1.2	0.46	0.49	200.12
1.3	0.47	0.54	229.06
1.4	0.48	0.59	259.66
1.5	0.49	0.63	291.90

1.6	0.50	0.68	325.78
1.7	0.51	0.73	361.27
1.8	0.52	0.79	398.39
1.9	0.53	0.84	437.12
2.0	0.53	0.89	477.47
2.1	0.54	0.94	519.43
2.2	0.55	1.00	563.01
2.3	0.56	1.06	608.21
2.4	0.57	1.11	655.03
2.5	0.58	1.17	703.48
2.6	0.59	1.23	753.56
2.7	0.60	1.29	805.28
2.8	0.61	1.35	858.64
2.9	0.61	1.41	913.66
3.0	0.62	1.47	970.34
3.1	0.63	1.53	1028.69
3.2	0.64	1.60	1088.71
3.3	0.65	1.66	1150.42
3.4	0.66	1.73	1213.82
3.5	0.67	1.79	1278.93
3.6	0.68	1.86	1345.75
3.7	0.69	1.93	1414.30
3.8	0.69	2.00	1484.58
3.9	0.70	2.07	1556.60
4.0	0.71	2.14	1630.38
4.1	0.72	2.21	1705.93
4.2	0.73	2.28	1783.25
4.3	0.74	2.36	1862.35
4.4	0.75	2.43	1943.25
4.5	0.76	2.51	2025.96
4.6	0.77	2.58	2110.49
4.7	0.78	2.66	2196.85
4.8	0.78	2.74	2285.06

4.9	0.79	2.82	2375.11
5.0	0.80	2.90	2467.03
5.1	0.81	2.98	2560.82
5.2	0.82	3.06	2656.50
5.3	0.83	3.14	2754.08
5.4	0.84	3.22	2853.56
5.5	0.85	3.31	2954.97
5.6	0.86	3.39	3058.31
5.7	0.86	3.48	3163.60
5.8	0.87	3.57	3270.84
5.9	0.88	3.65	3380.04
6.0	0.89	3.74	3491.23
6.1	2	100	20000

END FTABLE367

FTABLE 402

49 4

0.0	0.05	0.00	0.00
0.2	0.05	0.01	4.64
0.4	0.05	0.02	14.68
0.6	0.05	0.03	28.84
0.7	0.05	0.04	37.29
0.9	0.06	0.05	56.75
1.1	0.06	0.06	79.46
1.3	0.06	0.07	105.30
1.4	0.06	0.08	119.37
1.6	0.06	0.09	149.77
1.7	0.07	0.10	166.08
1.9	0.07	0.11	200.95
2.0	0.07	0.12	219.50
2.2	0.07	0.13	258.83
2.3	0.07	0.14	279.60
2.5	0.08	0.15	323.40
2.6	0.08	0.16	346.42

2.7	0.08	0.17	370.20
2.9	0.08	0.18	420.03
3.0	0.08	0.19	446.08
3.1	0.08	0.20	472.90
3.2	0.08	0.21	500.50
3.3	0.08	0.22	528.87
3.5	0.09	0.23	587.95
3.6	0.09	0.24	618.67
3.7	0.09	0.25	650.18
3.8	0.09	0.26	682.49
3.9	0.09	0.27	715.60
4.0	0.09	0.28	749.52
4.1	0.09	0.29	784.24
4.2	0.09	0.30	819.79
4.3	0.10	0.31	856.16
4.5	0.10	0.32	931.37
4.6	0.10	0.33	970.23
4.7	0.10	0.34	1009.93
4.8	0.10	0.35	1050.48
4.9	0.10	0.36	1091.88
5.0	0.10	0.38	1134.14
5.1	0.11	0.39	1177.25
5.2	0.11	0.40	1221.24
5.3	0.11	0.41	1266.10
5.4	0.11	0.42	1311.83
5.5	0.11	0.43	1358.45
5.6	0.11	0.44	1405.96
5.7	0.11	0.45	1454.36
5.8	0.11	0.46	1503.66
5.9	0.11	0.47	1553.86
6.0	0.12	0.48	1604.98
6.1	2	100	20000

END FTABLE402

FTABLE 341**62 5**

0.0	0.13	0.00	0.00	0.11
0.1	0.13	0.01	1.15	0.11
0.2	0.13	0.03	3.66	0.11
0.3	0.14	0.04	7.18	0.11
0.4	0.14	0.05	11.58	0.11
0.5	0.14	0.07	16.79	0.11
0.6	0.15	0.08	22.74	0.11
0.7	0.15	0.10	29.41	0.11
0.8	0.15	0.11	36.75	0.11
0.9	0.15	0.13	44.75	0.11
1.0	0.16	0.14	53.40	0.11
1.1	0.16	0.16	62.67	0.11
1.2	0.16	0.17	72.55	0.11
1.3	0.17	0.19	83.05	0.11
1.4	0.17	0.21	94.14	0.11
1.5	0.17	0.23	105.83	0.11
1.6	0.18	0.24	118.11	0.11
1.7	0.18	0.26	130.98	0.11
1.8	0.18	0.28	144.44	0.11
1.9	0.19	0.30	158.48	0.11
2.0	0.19	0.32	173.11	0.11
2.1	0.19	0.34	188.32	0.11
2.2	0.20	0.35	204.12	0.11
2.3	0.20	0.37	220.51	0.11
2.4	0.20	0.39	237.48	0.11
2.5	0.21	0.42	255.05	0.11
2.6	0.21	0.44	273.20	0.11
2.7	0.21	0.46	291.95	0.11
2.8	0.22	0.48	311.30	0.11
2.9	0.22	0.50	331.25	0.11
3.0	0.22	0.52	351.80	0.11

3.1	0.22	0.54	372.95	0.11
3.2	0.23	0.57	394.71	0.11
3.3	0.23	0.59	417.09	0.11
3.4	0.23	0.61	440.07	0.11
3.5	0.24	0.64	463.68	0.11
3.6	0.24	0.66	487.90	0.11
3.7	0.24	0.68	512.76	0.11
3.8	0.25	0.71	538.24	0.11
3.9	0.25	0.73	564.35	0.11
4.0	0.25	0.76	591.10	0.11
4.1	0.26	0.78	618.49	0.11
4.2	0.26	0.81	646.52	0.11
4.3	0.26	0.84	675.20	0.11
4.4	0.27	0.86	704.53	0.11
4.5	0.27	0.89	734.52	0.11
4.6	0.27	0.92	765.16	0.11
4.7	0.28	0.94	796.47	0.11
4.8	0.28	0.97	828.45	0.11
4.9	0.28	1.00	861.10	0.11
5.0	0.28	1.03	894.42	0.11
5.1	0.29	1.06	928.43	0.11
5.2	0.29	1.09	963.12	0.11
5.3	0.29	1.11	998.49	0.11
5.4	0.30	1.14	1034.56	0.11
5.5	0.30	1.17	1071.33	0.11
5.6	0.30	1.20	1108.79	0.11
5.7	0.31	1.23	1146.97	0.11
5.8	0.31	1.27	1185.85	0.11
5.9	0.31	1.30	1225.44	0.11
6.0	0.32	1.33	1265.75	0.11
6.1	2	100	20000	0.11

END FTABLE341

FTABLE 359

60 5

0.0	0.07	0.00	0.00	0.22
0.1	0.08	0.01	1.07	0.22
0.2	0.08	0.02	3.40	0.22
0.4	0.08	0.03	10.76	0.22
0.5	0.08	0.04	15.59	0.22
0.6	0.08	0.05	21.12	0.22
0.7	0.09	0.06	27.31	0.22
0.9	0.09	0.07	41.57	0.22
1.0	0.09	0.08	49.60	0.22
1.1	0.09	0.09	58.21	0.22
1.2	0.10	0.10	67.39	0.22
1.3	0.10	0.11	77.14	0.22
1.4	0.10	0.12	87.44	0.22
1.5	0.10	0.13	98.30	0.22
1.6	0.10	0.14	109.71	0.22
1.7	0.11	0.15	121.66	0.22
1.8	0.11	0.16	134.16	0.22
1.9	0.11	0.17	147.20	0.22
2.0	0.11	0.18	160.79	0.22
2.1	0.11	0.20	174.92	0.22
2.2	0.11	0.21	189.60	0.22
2.3	0.12	0.22	204.82	0.22
2.4	0.12	0.23	220.58	0.22
2.5	0.12	0.24	236.90	0.22
2.6	0.12	0.25	253.76	0.22
2.7	0.12	0.27	271.18	0.22
2.8	0.13	0.28	289.15	0.22
2.9	0.13	0.29	307.68	0.22
3.0	0.13	0.30	326.76	0.22
3.1	0.13	0.32	346.41	0.22
3.2	0.13	0.33	366.63	0.22
3.3	0.13	0.34	387.41	0.22

3.4	0.14	0.36	408.76	0.22
3.5	0.14	0.37	430.68	0.22
3.6	0.14	0.38	453.19	0.22
3.7	0.14	0.40	476.27	0.22
3.8	0.14	0.41	499.94	0.22
3.9	0.15	0.43	524.19	0.22
4.0	0.15	0.44	549.04	0.22
4.1	0.15	0.46	574.47	0.22
4.2	0.15	0.47	600.51	0.22
4.3	0.15	0.49	627.15	0.22
4.4	0.15	0.50	654.39	0.22
4.5	0.16	0.52	682.25	0.22
4.6	0.16	0.53	710.71	0.22
4.7	0.16	0.55	739.80	0.22
4.8	0.16	0.57	769.50	0.22
4.9	0.16	0.58	799.82	0.22
5.0	0.17	0.60	830.78	0.22
5.1	0.17	0.62	862.36	0.22
5.2	0.17	0.63	894.58	0.22
5.3	0.17	0.65	927.44	0.22
5.4	0.17	0.67	960.94	0.22
5.5	0.18	0.68	995.09	0.22
5.6	0.18	0.70	1029.89	0.22
5.7	0.18	0.72	1065.35	0.22
5.8	0.18	0.74	1101.46	0.22
5.9	0.18	0.76	1138.24	0.22
6.0	0.18	0.77	1175.68	0.22
6.1	2	100	20000	0.22

END FTABLE359

FTABLE 347

62 5

0.0	0.20	0.00	0.00	0.44
0.1	0.21	0.02	1.03	0.44

0.2	0.21	0.04	3.28	0.44
0.3	0.22	0.06	6.43	0.44
0.4	0.22	0.08	10.38	0.44
0.5	0.23	0.11	15.05	0.44
0.6	0.23	0.13	20.39	0.44
0.7	0.24	0.15	26.37	0.44
0.8	0.24	0.18	32.95	0.44
0.9	0.25	0.20	40.13	0.44
1.0	0.25	0.23	47.88	0.44
1.1	0.26	0.25	56.19	0.44
1.2	0.26	0.28	65.05	0.44
1.3	0.27	0.30	74.46	0.44
1.4	0.27	0.33	84.41	0.44
1.5	0.28	0.36	94.89	0.44
1.6	0.28	0.38	105.90	0.44
1.7	0.29	0.41	117.44	0.44
1.8	0.29	0.44	129.50	0.44
1.9	0.30	0.47	142.10	0.44
2.0	0.30	0.50	155.21	0.44
2.1	0.31	0.53	168.85	0.44
2.2	0.31	0.56	183.02	0.44
2.3	0.32	0.59	197.71	0.44
2.4	0.32	0.62	212.93	0.44
2.5	0.33	0.66	228.68	0.44
2.6	0.33	0.69	244.96	0.44
2.7	0.34	0.72	261.77	0.44
2.8	0.34	0.76	279.12	0.44
2.9	0.35	0.79	297.00	0.44
3.0	0.35	0.83	315.43	0.44
3.1	0.36	0.86	334.39	0.44
3.2	0.36	0.90	353.91	0.44
3.3	0.37	0.93	373.97	0.44
3.4	0.37	0.97	394.58	0.44

3.5	0.38	1.01	415.74	0.44
3.6	0.38	1.05	437.46	0.44
3.7	0.39	1.08	459.75	0.44
3.8	0.39	1.12	482.59	0.44
3.9	0.40	1.16	506.00	0.44
4.0	0.40	1.20	529.99	0.44
4.1	0.41	1.24	554.54	0.44
4.2	0.41	1.28	579.68	0.44
4.3	0.42	1.32	605.39	0.44
4.4	0.42	1.37	631.69	0.44
4.5	0.43	1.41	658.58	0.44
4.6	0.43	1.45	686.06	0.44
4.7	0.44	1.49	714.13	0.44
4.8	0.44	1.54	742.80	0.44
4.9	0.45	1.58	772.08	0.44
5.0	0.45	1.63	801.95	0.44
5.1	0.46	1.67	832.44	0.44
5.2	0.46	1.72	863.55	0.44
5.3	0.47	1.76	895.27	0.44
5.4	0.47	1.81	927.61	0.44
5.5	0.48	1.86	960.57	0.44
5.6	0.48	1.91	994.16	0.44
5.7	0.49	1.95	1028.39	0.44
5.8	0.49	2.00	1063.25	0.44
5.9	0.50	2.05	1098.75	0.44
6.0	0.50	2.10	1134.89	0.44
6.1	2	100	20000	0.44

END FTABLE347

FTABLE 366

62 4

0.0	0.24	0.00	0.00
0.1	0.24	0.02	2.65
0.2	0.25	0.05	8.40

0.3	0.25	0.07	16.48
0.4	0.26	0.10	26.59
0.5	0.27	0.13	38.55
0.6	0.27	0.15	52.23
0.7	0.28	0.18	67.54
0.8	0.28	0.21	84.41
0.9	0.29	0.24	102.79
1.0	0.29	0.27	122.64
1.1	0.30	0.29	143.93
1.2	0.31	0.33	166.63
1.3	0.31	0.36	190.73
1.4	0.32	0.39	216.21
1.5	0.32	0.42	243.05
1.6	0.33	0.45	271.26
1.7	0.34	0.49	300.81
1.8	0.34	0.52	331.72
1.9	0.35	0.55	363.97
2.0	0.35	0.59	397.56
2.1	0.36	0.62	432.50
2.2	0.37	0.66	468.79
2.3	0.37	0.70	506.42
2.4	0.38	0.74	545.41
2.5	0.38	0.77	585.75
2.6	0.39	0.81	627.45
2.7	0.39	0.85	670.51
2.8	0.40	0.89	714.95
2.9	0.41	0.93	760.76
3.0	0.41	0.97	807.95
3.1	0.42	1.01	856.53
3.2	0.42	1.06	906.51
3.3	0.43	1.10	957.89
3.4	0.44	1.14	1010.68
3.5	0.44	1.19	1064.90

3.6	0.45	1.23	1120.54
3.7	0.45	1.28	1177.61
3.8	0.46	1.32	1236.13
3.9	0.47	1.37	1296.10
4.0	0.47	1.41	1357.53
4.1	0.48	1.46	1420.43
4.2	0.48	1.51	1484.81
4.3	0.49	1.56	1550.68
4.4	0.49	1.61	1618.04
4.5	0.50	1.66	1686.91
4.6	0.51	1.71	1757.29
4.7	0.51	1.76	1829.20
4.8	0.52	1.81	1902.64
4.9	0.52	1.86	1977.62
5.0	0.53	1.92	2054.16
5.1	0.54	1.97	2132.26
5.2	0.54	2.02	2211.92
5.3	0.55	2.08	2293.17
5.4	0.55	2.13	2376.01
5.5	0.56	2.19	2460.45
5.6	0.57	2.24	2546.49
5.7	0.57	2.30	2634.16
5.8	0.58	2.36	2723.45
5.9	0.58	2.42	2814.38
6.0	0.59	2.47	2906.95
6.1	2	100	20000

END FTABLE366

FTABLE 342

62 4

0.0	0.35	0.00	0.00
0.1	0.36	0.04	1.63
0.2	0.36	0.07	5.17
0.3	0.37	0.11	10.15

0.4	0.38	0.15	16.38
0.5	0.39	0.18	23.74
0.6	0.40	0.22	32.16
0.7	0.41	0.26	41.59
0.8	0.42	0.30	51.97
0.9	0.42	0.35	63.29
1.0	0.43	0.39	75.52
1.1	0.44	0.43	88.63
1.2	0.45	0.48	102.61
1.3	0.46	0.52	117.45
1.4	0.47	0.57	133.14
1.5	0.48	0.62	149.67
1.6	0.49	0.67	167.03
1.7	0.49	0.71	185.23
1.8	0.50	0.76	204.27
1.9	0.51	0.81	224.12
2.0	0.52	0.87	244.81
2.1	0.53	0.92	266.33
2.2	0.54	0.97	288.67
2.3	0.55	1.03	311.84
2.4	0.55	1.08	335.85
2.5	0.56	1.14	360.69
2.6	0.57	1.19	386.37
2.7	0.58	1.25	412.89
2.8	0.59	1.31	440.25
2.9	0.60	1.37	468.46
3.0	0.61	1.43	497.52
3.1	0.62	1.49	527.43
3.2	0.62	1.55	558.21
3.3	0.63	1.62	589.85
3.4	0.64	1.68	622.36
3.5	0.65	1.74	655.74
3.6	0.66	1.81	690.00

3.7	0.67	1.88	725.15
3.8	0.68	1.94	761.18
3.9	0.68	2.01	798.11
4.0	0.69	2.08	835.94
4.1	0.70	2.15	874.67
4.2	0.71	2.22	914.31
4.3	0.72	2.29	954.87
4.4	0.73	2.36	996.35
4.5	0.74	2.44	1038.76
4.6	0.75	2.51	1082.10
4.7	0.75	2.59	1126.38
4.8	0.76	2.66	1171.60
4.9	0.77	2.74	1217.78
5.0	0.78	2.82	1264.91
5.1	0.79	2.89	1313.00
5.2	0.80	2.97	1362.05
5.3	0.81	3.05	1412.08
5.4	0.81	3.13	1463.09
5.5	0.82	3.22	1515.09
5.6	0.83	3.30	1568.07
5.7	0.84	3.38	1622.05
5.8	0.85	3.47	1677.04
5.9	0.86	3.55	1733.03
6.0	0.87	3.64	1790.04
6.1	2	100	20000

END FTABLE342

FTABLE 317

62 5

0.0	0.32	0.00	0.00	0.11
0.1	0.33	0.03	1.26	0.11
0.2	0.34	0.07	4.00	0.11
0.3	0.35	0.10	7.85	0.11
0.4	0.35	0.14	12.66	0.11

0.5	0.36	0.17	18.36	0.11
0.6	0.37	0.21	24.87	0.11
0.7	0.38	0.24	32.16	0.11
0.8	0.39	0.28	40.19	0.11
0.9	0.39	0.32	48.95	0.11
1.0	0.40	0.36	58.40	0.11
1.1	0.41	0.40	68.54	0.11
1.2	0.42	0.44	79.35	0.11
1.3	0.43	0.49	90.82	0.11
1.4	0.43	0.53	102.96	0.11
1.5	0.44	0.57	115.74	0.11
1.6	0.45	0.62	129.17	0.11
1.7	0.46	0.66	143.25	0.11
1.8	0.47	0.71	157.96	0.11
1.9	0.47	0.76	173.32	0.11
2.0	0.48	0.80	189.32	0.11
2.1	0.49	0.85	205.96	0.11
2.2	0.50	0.90	223.24	0.11
2.3	0.51	0.95	241.16	0.11
2.4	0.51	1.00	259.72	0.11
2.5	0.52	1.06	278.93	0.11
2.6	0.53	1.11	298.79	0.11
2.7	0.54	1.16	319.30	0.11
2.8	0.55	1.22	340.46	0.11
2.9	0.55	1.27	362.27	0.11
3.0	0.56	1.33	384.74	0.11
3.1	0.57	1.38	407.88	0.11
3.2	0.58	1.44	431.68	0.11
3.3	0.59	1.50	456.15	0.11
3.4	0.59	1.56	481.29	0.11
3.5	0.60	1.62	507.10	0.11
3.6	0.61	1.68	533.60	0.11
3.7	0.62	1.74	560.78	0.11

3.8	0.63	1.80	588.64	0.11
3.9	0.64	1.87	617.20	0.11
4.0	0.64	1.93	646.46	0.11
4.1	0.65	1.99	676.41	0.11
4.2	0.66	2.06	707.07	0.11
4.3	0.67	2.13	738.43	0.11
4.4	0.68	2.19	770.51	0.11
4.5	0.68	2.26	803.31	0.11
4.6	0.69	2.33	836.82	0.11
4.7	0.70	2.40	871.06	0.11
4.8	0.71	2.47	906.04	0.11
4.9	0.72	2.54	941.74	0.11
5.0	0.72	2.61	978.19	0.11
5.1	0.73	2.69	1015.38	0.11
5.2	0.74	2.76	1053.32	0.11
5.3	0.75	2.83	1092.01	0.11
5.4	0.76	2.91	1131.45	0.11
5.5	0.76	2.98	1171.66	0.11
5.6	0.77	3.06	1212.64	0.11
5.7	0.78	3.14	1254.38	0.11
5.8	0.79	3.22	1296.90	0.11
5.9	0.80	3.30	1340.20	0.11
6.0	0.80	3.38	1384.29	0.11
6.1	2	100	20000	0.11

END FTABLE317

*** 57th Ave, Evaporation pond, 4.22 acre area, only evaporation occur, storage of 15.25 acre ft is considered in outflow

FTABLE 398

3 5

0.0	4.22	0.00	0.00	1.32
6.0	4.22	15.25	0.00	1.32
6.1	4.22	100	20000	1.32

END FTABLE398

FTABLE 361**62 5**

0.0	0.24	0.00	0.00	0.66
0.1	0.24	0.02	1.12	0.66
0.2	0.25	0.05	3.55	0.66
0.3	0.25	0.07	6.96	0.66
0.4	0.26	0.10	11.23	0.66
0.5	0.27	0.13	16.29	0.66
0.6	0.27	0.15	22.06	0.66
0.7	0.28	0.18	28.53	0.66
0.8	0.28	0.21	35.65	0.66
0.9	0.29	0.24	43.42	0.66
1.0	0.29	0.27	51.80	0.66
1.1	0.30	0.29	60.80	0.66
1.2	0.31	0.33	70.39	0.66
1.3	0.31	0.36	80.57	0.66
1.4	0.32	0.39	91.33	0.66
1.5	0.32	0.42	102.67	0.66
1.6	0.33	0.45	114.58	0.66
1.7	0.34	0.49	127.07	0.66
1.8	0.34	0.52	140.12	0.66
1.9	0.35	0.55	153.75	0.66
2.0	0.35	0.59	167.94	0.66
2.1	0.36	0.62	182.70	0.66
2.2	0.37	0.66	198.03	0.66
2.3	0.37	0.70	213.92	0.66
2.4	0.38	0.74	230.39	0.66
2.5	0.38	0.77	247.43	0.66
2.6	0.39	0.81	265.05	0.66
2.7	0.39	0.85	283.24	0.66
2.8	0.40	0.89	302.01	0.66
2.9	0.41	0.93	321.36	0.66
3.0	0.41	0.97	341.29	0.66

3.1	0.42	1.01	361.82	0.66
3.2	0.42	1.06	382.93	0.66
3.3	0.43	1.10	404.63	0.66
3.4	0.44	1.14	426.93	0.66
3.5	0.44	1.19	449.83	0.66
3.6	0.45	1.23	473.34	0.66
3.7	0.45	1.28	497.45	0.66
3.8	0.46	1.32	522.17	0.66
3.9	0.47	1.37	547.50	0.66
4.0	0.47	1.41	573.45	0.66
4.1	0.48	1.46	600.02	0.66
4.2	0.48	1.51	627.21	0.66
4.3	0.49	1.56	655.04	0.66
4.4	0.49	1.61	683.49	0.66
4.5	0.50	1.66	712.58	0.66
4.6	0.51	1.71	742.32	0.66
4.7	0.51	1.76	772.69	0.66
4.8	0.52	1.81	803.71	0.66
4.9	0.52	1.86	835.39	0.66
5.0	0.53	1.91	867.72	0.66
5.1	0.54	1.97	900.71	0.66
5.2	0.54	2.02	934.36	0.66
5.3	0.55	2.08	968.68	0.66
5.4	0.55	2.13	1003.67	0.66
5.5	0.56	2.19	1039.34	0.66
5.6	0.57	2.24	1075.69	0.66
5.7	0.57	2.30	1112.72	0.66
5.8	0.58	2.36	1150.44	0.66
5.9	0.58	2.42	1188.85	0.66
6.0	0.59	2.47	1227.96	0.66
6.1	2	100	20000	0.66

END FTABLE361

FTABLE 404

62 5

0.0	0.36	0.00	0.00	0.11
0.1	0.36	0.04	1.25	0.11
0.2	0.37	0.07	3.97	0.11
0.3	0.38	0.11	7.78	0.11
0.4	0.39	0.15	12.56	0.11
0.5	0.40	0.19	18.21	0.11
0.6	0.41	0.23	24.67	0.11
0.7	0.42	0.27	31.90	0.11
0.8	0.43	0.31	39.86	0.11
0.9	0.44	0.36	48.54	0.11
1.0	0.44	0.40	57.92	0.11
1.1	0.45	0.44	67.97	0.11
1.2	0.46	0.49	78.70	0.11
1.3	0.47	0.54	90.08	0.11
1.4	0.48	0.58	102.11	0.11
1.5	0.49	0.63	114.79	0.11
1.6	0.50	0.68	128.11	0.11
1.7	0.51	0.73	142.07	0.11
1.8	0.52	0.78	156.66	0.11
1.9	0.52	0.84	171.90	0.11
2.0	0.53	0.89	187.76	0.11
2.1	0.54	0.94	204.26	0.11
2.2	0.55	1.00	221.40	0.11
2.3	0.56	1.05	239.17	0.11
2.4	0.57	1.11	257.59	0.11
2.5	0.58	1.17	276.64	0.11
2.6	0.59	1.22	296.33	0.11
2.7	0.60	1.28	316.67	0.11
2.8	0.60	1.34	337.65	0.11
2.9	0.61	1.40	359.29	0.11
3.0	0.62	1.47	381.58	0.11
3.1	0.63	1.53	404.52	0.11

3.2	0.64	1.59	428.13	0.11
3.3	0.65	1.66	452.39	0.11
3.4	0.66	1.72	477.33	0.11
3.5	0.67	1.79	502.93	0.11
3.6	0.68	1.86	529.21	0.11
3.7	0.68	1.92	556.16	0.11
3.8	0.69	1.99	583.80	0.11
3.9	0.70	2.06	612.12	0.11
4.0	0.71	2.13	641.13	0.11
4.1	0.72	2.20	670.84	0.11
4.2	0.73	2.28	701.25	0.11
4.3	0.74	2.35	732.35	0.11
4.4	0.75	2.42	764.17	0.11
4.5	0.76	2.50	796.69	0.11
4.6	0.76	2.57	829.93	0.11
4.7	0.77	2.65	863.89	0.11
4.8	0.78	2.73	898.58	0.11
4.9	0.79	2.81	933.99	0.11
5.0	0.80	2.89	970.14	0.11
5.1	0.81	2.97	1007.02	0.11
5.2	0.82	3.05	1044.65	0.11
5.3	0.83	3.13	1083.02	0.11
5.4	0.84	3.21	1122.14	0.11
5.5	0.84	3.30	1162.02	0.11
5.6	0.85	3.38	1202.66	0.11
5.7	0.86	3.47	1244.06	0.11
5.8	0.87	3.56	1286.23	0.11
5.9	0.88	3.64	1329.17	0.11
6.0	0.89	3.73	1372.90	0.11
6.1	2	100	20000	0.11

END FTABLE404

FTABLE 377

0.0	0.28	0.00	0.00
0.1	0.28	0.03	3.03
0.2	0.29	0.06	9.59
0.3	0.30	0.09	18.83
0.4	0.30	0.12	30.38
0.5	0.31	0.15	44.04
0.6	0.32	0.18	59.66
0.7	0.32	0.21	77.15
0.8	0.33	0.24	96.42
0.9	0.34	0.28	117.41
1.0	0.34	0.31	140.09
1.1	0.35	0.34	164.41
1.2	0.36	0.38	190.34
1.3	0.36	0.42	217.87
1.4	0.37	0.45	246.97
1.5	0.38	0.49	277.64
1.6	0.39	0.53	309.85
1.7	0.39	0.57	343.62
1.8	0.40	0.61	378.92
1.9	0.41	0.65	415.76
2.0	0.41	0.69	454.14
2.1	0.42	0.73	494.05
2.2	0.43	0.77	535.50
2.3	0.43	0.82	578.48
2.4	0.44	0.86	623.02
2.5	0.45	0.90	669.10
2.6	0.45	0.95	716.73
2.7	0.46	0.99	765.92
2.8	0.47	1.04	816.68
2.9	0.47	1.09	869.01
3.0	0.48	1.14	922.91
3.1	0.49	1.18	978.41
3.2	0.50	1.23	1035.50

3.3	0.50	1.28	1094.19
3.4	0.51	1.33	1154.50
3.5	0.52	1.38	1216.42
3.6	0.52	1.44	1279.98
3.7	0.53	1.49	1345.18
3.8	0.54	1.54	1412.02
3.9	0.54	1.60	1480.53
4.0	0.55	1.65	1550.70
4.1	0.56	1.71	1622.55
4.2	0.56	1.76	1696.09
4.3	0.57	1.82	1771.33
4.4	0.58	1.88	1848.28
4.5	0.58	1.94	1926.95
4.6	0.59	1.99	2007.34
4.7	0.60	2.05	2089.48
4.8	0.61	2.11	2173.37
4.9	0.61	2.17	2259.03
5.0	0.62	2.24	2346.45
5.1	0.63	2.30	2435.66
5.2	0.63	2.36	2526.66
5.3	0.64	2.43	2619.47
5.4	0.65	2.49	2714.10
5.5	0.65	2.55	2810.55
5.6	0.66	2.62	2908.84
5.7	0.67	2.69	3008.98
5.8	0.67	2.75	3110.97
5.9	0.68	2.82	3214.84
6.0	0.69	2.89	3320.59
6.1	2	100	20000

END FTABLE377

FTABLE 385

62 4

0.0	0.72	0.00	0.00
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0.1	0.74	0.07	3.41
0.2	0.76	0.15	10.80
0.3	0.78	0.22	21.20
0.4	0.79	0.30	34.21
0.5	0.81	0.38	49.59
0.6	0.83	0.47	67.18
0.7	0.85	0.55	86.86
0.8	0.87	0.63	108.56
0.9	0.88	0.72	132.20
1.0	0.90	0.81	157.73
1.1	0.92	0.90	185.12
1.2	0.94	1.00	214.32
1.3	0.96	1.09	245.31
1.4	0.97	1.19	278.08
1.5	0.99	1.29	312.61
1.6	1.01	1.39	348.89
1.7	1.03	1.49	386.90
1.8	1.05	1.59	426.65
1.9	1.06	1.70	468.13
2.0	1.08	1.80	511.34
2.1	1.10	1.91	556.28
2.2	1.12	2.02	602.95
2.3	1.14	2.14	651.36
2.4	1.15	2.25	701.50
2.5	1.17	2.37	753.38
2.6	1.19	2.49	807.01
2.7	1.21	2.61	862.40
2.8	1.23	2.73	919.55
2.9	1.24	2.85	978.47
3.0	1.26	2.98	1039.17
3.1	1.28	3.10	1101.66
3.2	1.30	3.23	1165.94
3.3	1.32	3.36	1232.03

3.4	1.33	3.50	1299.93
3.5	1.35	3.63	1369.66
3.6	1.37	3.77	1441.22
3.7	1.39	3.90	1514.63
3.8	1.41	4.04	1589.89
3.9	1.42	4.19	1667.03
4.0	1.44	4.33	1746.04
4.1	1.46	4.47	1826.94
4.2	1.48	4.62	1909.74
4.3	1.50	4.77	1994.46
4.4	1.52	4.92	2081.10
4.5	1.53	5.07	2169.68
4.6	1.55	5.23	2260.21
4.7	1.57	5.38	2352.69
4.8	1.59	5.54	2447.15
4.9	1.61	5.70	2543.59
5.0	1.62	5.86	2642.03
5.1	1.64	6.02	2742.48
5.2	1.66	6.19	2844.95
5.3	1.68	6.36	2949.45
5.4	1.70	6.53	3055.99
5.5	1.71	6.70	3164.59
5.6	1.73	6.87	3275.26
5.7	1.75	7.04	3388.01
5.8	1.77	7.22	3502.86
5.9	1.79	7.40	3619.81
6.0	1.80	7.58	3738.88
6.1	2	100	20000

END FTABLE385

***Sycamore St, Stormwater pond, 0.24 acre area, only evaporation occur, storage of 0.77 acre ft is considered in outflow

FTABLE 403

41 5

0.0	0.24	0.00	0.00	0.22
2.2	0.24	0.77	0.00	0.22
2.3	0.24	0.83	252.74	0.22
2.4	0.24	0.87	272.20	0.22
2.5	0.24	0.91	292.33	0.22
2.6	0.24	0.96	313.14	0.22
2.7	0.24	1.01	334.63	0.22
2.8	0.24	1.05	356.81	0.22
2.9	0.24	1.10	379.67	0.22
3.0	0.24	1.15	403.22	0.22
3.1	0.24	1.20	427.47	0.22
3.2	0.24	1.25	452.41	0.22
3.3	0.24	1.30	478.05	0.22
3.4	0.24	1.35	504.40	0.22
3.5	0.24	1.40	531.46	0.22
3.6	0.24	1.45	559.23	0.22
3.7	0.24	1.51	587.71	0.22
3.8	0.24	1.56	616.91	0.22
3.9	0.24	1.62	646.84	0.22
4.0	0.24	1.67	677.50	0.22
4.1	0.24	1.73	708.89	0.22
4.2	0.24	1.78	741.02	0.22
4.3	0.24	1.84	773.90	0.22
4.4	0.24	1.90	807.52	0.22
4.5	0.24	1.96	841.89	0.22
4.6	0.24	2.02	877.01	0.22
4.7	0.24	2.08	912.90	0.22
4.8	0.24	2.14	949.55	0.22
4.9	0.24	2.20	986.97	0.22
5.0	0.24	2.26	1025.17	0.22
5.1	0.24	2.33	1064.14	0.22
5.2	0.24	2.39	1103.90	0.22
5.3	0.24	2.46	1144.45	0.22

5.4	0.24	2.52	1185.79	0.22
5.5	0.24	2.59	1227.93	0.22
5.6	0.24	2.65	1270.88	0.22
5.7	0.24	2.72	1314.63	0.22
5.8	0.24	2.79	1359.19	0.22
5.9	0.24	2.86	1404.57	0.22
6.0	0.24	2.93	1450.77	0.22
6.1	0.24	100	20000	0.22

END FTABLE403

*** 55th Ave, Thor St, Stormwater Ponds, 0.95 acre area, only evaporation occur, storage of 2.11 acre ft is considered in outflow

FTABLE 382

22 4

0.0	0.95	0.00	0.00
4.1	0.95	2.11	0.00
4.2	0.95	2.19	487.52
4.3	0.95	2.26	509.15
4.4	0.95	2.33	531.27
4.5	0.95	2.40	553.88
4.6	0.95	2.48	576.99
4.7	0.95	2.55	600.60
4.8	0.95	2.62	624.71
4.9	0.95	2.70	649.33
5.0	0.95	2.78	674.46
5.1	0.95	2.85	700.10
5.2	0.95	2.93	726.26
5.3	0.95	3.01	752.94
5.4	0.95	3.09	780.14
5.5	0.95	3.17	807.86
5.6	0.95	3.25	836.11
5.7	0.95	3.34	864.90
5.8	0.95	3.42	894.21
5.9	0.95	3.50	924.07

6.0 0.95 3.59 954.47

6.1 0.95 100 20000

END FTABLE382

FTABLE 354

62 5

0.0	0.11	0.00	0.00	0.44
0.1	0.11	0.01	1.28	0.44
0.2	0.11	0.02	4.06	0.44
0.3	0.12	0.03	7.98	0.44
0.4	0.12	0.05	12.87	0.44
0.5	0.12	0.06	18.66	0.44
0.6	0.12	0.07	25.28	0.44
0.7	0.13	0.08	32.68	0.44
0.8	0.13	0.10	40.85	0.44
0.9	0.13	0.11	49.74	0.44
1.0	0.14	0.12	59.35	0.44
1.1	0.14	0.14	69.65	0.44
1.2	0.14	0.15	80.64	0.44
1.3	0.14	0.16	92.30	0.44
1.4	0.15	0.18	104.63	0.44
1.5	0.15	0.19	117.62	0.44
1.6	0.15	0.21	131.27	0.44
1.7	0.15	0.22	145.58	0.44
1.8	0.16	0.24	160.53	0.44
1.9	0.16	0.25	176.14	0.44
2.0	0.16	0.27	192.40	0.44
2.1	0.16	0.29	209.31	0.44
2.2	0.17	0.30	226.87	0.44
2.3	0.17	0.32	245.08	0.44
2.4	0.17	0.34	263.95	0.44
2.5	0.18	0.35	283.47	0.44
2.6	0.18	0.37	303.65	0.44
2.7	0.18	0.39	324.49	0.44

2.8	0.18	0.41	345.99	0.44
2.9	0.19	0.43	368.16	0.44
3.0	0.19	0.45	391.00	0.44
3.1	0.19	0.46	414.51	0.44
3.2	0.19	0.48	438.70	0.44
3.3	0.20	0.50	463.56	0.44
3.4	0.20	0.52	489.11	0.44
3.5	0.20	0.54	515.35	0.44
3.6	0.21	0.56	542.28	0.44
3.7	0.21	0.58	569.90	0.44
3.8	0.21	0.61	598.22	0.44
3.9	0.21	0.63	627.24	0.44
4.0	0.22	0.65	656.97	0.44
4.1	0.22	0.67	687.41	0.44
4.2	0.22	0.69	718.56	0.44
4.3	0.22	0.71	750.44	0.44
4.4	0.23	0.74	783.04	0.44
4.5	0.23	0.76	816.37	0.44
4.6	0.23	0.78	850.43	0.44
4.7	0.23	0.81	885.23	0.44
4.8	0.24	0.83	920.77	0.44
4.9	0.24	0.85	957.06	0.44
5.0	0.24	0.88	994.10	0.44
5.1	0.25	0.90	1031.89	0.44
5.2	0.25	0.93	1070.44	0.44
5.3	0.25	0.95	1109.76	0.44
5.4	0.25	0.98	1149.85	0.44
5.5	0.26	1.00	1190.72	0.44
5.6	0.26	1.03	1232.36	0.44
5.7	0.26	1.05	1274.78	0.44
5.8	0.26	1.08	1317.99	0.44
5.9	0.27	1.11	1362.00	0.44
6.0	0.27	1.13	1406.80	0.44

6.1 2 100 20000 0.44

END FTABLE354

FTABLE 378

62 4

0.0	0.27	0.00	0.00
0.1	0.27	0.03	2.26
0.2	0.28	0.05	7.17
0.3	0.29	0.08	14.07
0.4	0.29	0.11	22.70
0.5	0.30	0.14	32.91
0.6	0.31	0.17	44.58
0.7	0.31	0.20	57.65
0.8	0.32	0.24	72.05
0.9	0.33	0.27	87.74
1.0	0.33	0.30	104.68
1.1	0.34	0.33	122.85
1.2	0.35	0.37	142.23
1.3	0.35	0.40	162.80
1.4	0.36	0.44	184.55
1.5	0.37	0.48	207.47
1.6	0.37	0.51	231.54
1.7	0.38	0.55	256.77
1.8	0.39	0.59	283.15
1.9	0.39	0.63	310.68
2.0	0.40	0.67	339.36
2.1	0.41	0.71	369.18
2.2	0.41	0.75	400.16
2.3	0.42	0.79	432.28
2.4	0.43	0.83	465.56
2.5	0.43	0.88	499.99
2.6	0.44	0.92	535.59
2.7	0.45	0.96	572.35
2.8	0.45	1.01	610.27

2.9	0.46	1.06	649.38
3.0	0.47	1.10	689.66
3.1	0.47	1.15	731.13
3.2	0.48	1.20	773.79
3.3	0.49	1.25	817.65
3.4	0.49	1.29	862.72
3.5	0.50	1.34	908.99
3.6	0.51	1.39	956.48
3.7	0.51	1.45	1005.20
3.8	0.52	1.50	1055.15
3.9	0.53	1.55	1106.34
4.0	0.53	1.60	1158.78
4.1	0.54	1.66	1212.47
4.2	0.55	1.71	1267.43
4.3	0.55	1.77	1323.65
4.4	0.56	1.82	1381.15
4.5	0.57	1.88	1439.94
4.6	0.57	1.94	1500.02
4.7	0.58	1.99	1561.40
4.8	0.59	2.05	1624.09
4.9	0.59	2.11	1688.09
5.0	0.60	2.17	1753.42
5.1	0.61	2.23	1820.08
5.2	0.61	2.29	1888.09
5.3	0.62	2.35	1957.44
5.4	0.63	2.42	2028.15
5.5	0.63	2.48	2100.22
5.6	0.64	2.54	2173.67
5.7	0.65	2.61	2248.50
5.8	0.65	2.67	2324.72
5.9	0.66	2.74	2402.34
6.0	0.67	2.81	2481.36
6.1	2	100	20000

END FTABLE378

FTABLE 369

62 4

0.0	0.40	0.00	0.00
0.1	0.41	0.04	1.13
0.2	0.42	0.08	3.58
0.3	0.43	0.13	7.03
0.4	0.44	0.17	11.35
0.5	0.45	0.21	16.45
0.6	0.46	0.26	22.29
0.7	0.47	0.31	28.82
0.8	0.48	0.35	36.02
0.9	0.49	0.40	43.87
1.0	0.50	0.45	52.34
1.1	0.51	0.50	61.43
1.2	0.52	0.56	71.12
1.3	0.53	0.61	81.40
1.4	0.54	0.66	92.28
1.5	0.55	0.72	103.73
1.6	0.56	0.77	115.77
1.7	0.57	0.83	128.39
1.8	0.58	0.89	141.58
1.9	0.59	0.95	155.34
2.0	0.60	1.01	169.68
2.1	0.62	1.07	184.59
2.2	0.63	1.13	200.08
2.3	0.64	1.19	216.14
2.4	0.65	1.26	232.78
2.5	0.66	1.32	250.00
2.6	0.67	1.39	267.79
2.7	0.68	1.46	286.17
2.8	0.69	1.52	305.14
2.9	0.70	1.59	324.69

3.0	0.71	1.66	344.83
3.1	0.72	1.73	365.57
3.2	0.73	1.81	386.90
3.3	0.74	1.88	408.83
3.4	0.75	1.95	431.36
3.5	0.76	2.03	454.50
3.6	0.77	2.11	478.24
3.7	0.78	2.18	502.60
3.8	0.79	2.26	527.58
3.9	0.80	2.34	553.17
4.0	0.81	2.42	579.39
4.1	0.82	2.50	606.24
4.2	0.83	2.58	633.71
4.3	0.84	2.67	661.83
4.4	0.85	2.75	690.58
4.5	0.86	2.84	719.97
4.6	0.87	2.92	750.01
4.7	0.88	3.01	780.70
4.8	0.89	3.10	812.04
4.9	0.90	3.19	844.05
5.0	0.91	3.28	876.71
5.1	0.92	3.37	910.04
5.2	0.93	3.46	944.04
5.3	0.94	3.55	978.72
5.4	0.95	3.65	1014.07
5.5	0.96	3.74	1050.11
5.6	0.97	3.84	1086.84
5.7	0.98	3.94	1124.25
5.8	0.99	4.04	1162.36
5.9	1.00	4.13	1201.17
6.0	1.01	4.23	1240.68
6.1	2	100	20000

END FTABLE369

FTABLE 375**62 4**

0.0	0.16	0.00	0.00
0.1	0.17	0.02	2.01
0.2	0.17	0.03	6.35
0.3	0.18	0.05	12.47
0.4	0.18	0.07	20.12
0.5	0.19	0.09	29.17
0.6	0.19	0.11	39.52
0.7	0.19	0.13	51.10
0.8	0.20	0.14	63.86
0.9	0.20	0.16	77.77
1.0	0.21	0.19	92.79
1.1	0.21	0.21	108.90
1.2	0.21	0.23	126.08
1.3	0.22	0.25	144.31
1.4	0.22	0.27	163.59
1.5	0.23	0.29	183.90
1.6	0.23	0.32	205.24
1.7	0.23	0.34	227.61
1.8	0.24	0.36	250.99
1.9	0.24	0.39	275.39
2.0	0.25	0.41	300.81
2.1	0.25	0.44	327.25
2.2	0.26	0.46	354.70
2.3	0.26	0.49	383.18
2.4	0.26	0.51	412.67
2.5	0.27	0.54	443.20
2.6	0.27	0.57	474.75
2.7	0.28	0.59	507.33
2.8	0.28	0.62	540.95
2.9	0.28	0.65	575.61
3.0	0.29	0.68	611.32

3.1	0.29	0.71	648.08
3.2	0.30	0.74	685.89
3.3	0.30	0.77	724.77
3.4	0.30	0.80	764.72
3.5	0.31	0.83	805.73
3.6	0.31	0.86	847.83
3.7	0.32	0.89	891.02
3.8	0.32	0.92	935.29
3.9	0.33	0.96	980.67
4.0	0.33	0.99	1027.15
4.1	0.33	1.02	1074.74
4.2	0.34	1.06	1123.45
4.3	0.34	1.09	1173.29
4.4	0.35	1.12	1224.26
4.5	0.35	1.16	1276.37
4.6	0.35	1.19	1329.62
4.7	0.36	1.23	1384.03
4.8	0.36	1.27	1439.60
4.9	0.37	1.30	1496.33
5.0	0.37	1.34	1554.24
5.1	0.37	1.38	1613.33
5.2	0.38	1.41	1673.61
5.3	0.38	1.45	1735.08
5.4	0.39	1.49	1797.76
5.5	0.39	1.53	1861.65
5.6	0.40	1.57	1926.75
5.7	0.40	1.61	1993.08
5.8	0.40	1.65	2060.65
5.9	0.41	1.69	2129.45
6.0	0.41	1.73	2199.49
6.1	2	100	20000

END FTABLE375

FTABLE 405

62 5

0.0	1.00	0.00	0.00	2.64
0.1	1.03	0.10	0.67	2.64
0.2	1.05	0.21	2.11	2.64
0.3	1.08	0.31	4.14	2.64
0.4	1.10	0.42	6.69	2.64
0.5	1.13	0.53	9.69	2.64
0.6	1.15	0.65	13.13	2.64
0.7	1.18	0.76	16.98	2.64
0.8	1.20	0.88	21.22	2.64
0.9	1.23	1.00	25.84	2.64
1.0	1.25	1.13	30.83	2.64
1.1	1.28	1.25	36.18	2.64
1.2	1.30	1.38	41.89	2.64
1.3	1.33	1.51	47.95	2.64
1.4	1.35	1.65	54.35	2.64
1.5	1.38	1.78	61.10	2.64
1.6	1.40	1.92	68.19	2.64
1.7	1.43	2.07	75.62	2.64
1.8	1.45	2.21	83.39	2.64
1.9	1.48	2.36	91.50	2.64
2.0	1.50	2.51	99.94	2.64
2.1	1.53	2.66	108.73	2.64
2.2	1.55	2.81	117.85	2.64
2.3	1.58	2.97	127.31	2.64
2.4	1.60	3.13	137.11	2.64
2.5	1.63	3.29	147.25	2.64
2.6	1.65	3.45	157.73	2.64
2.7	1.68	3.62	168.56	2.64
2.8	1.70	3.79	179.73	2.64
2.9	1.73	3.96	191.25	2.64
3.0	1.75	4.13	203.11	2.64
3.1	1.78	4.31	215.32	2.64

3.2	1.80	4.49	227.89	2.64
3.3	1.83	4.67	240.80	2.64
3.4	1.85	4.86	254.08	2.64
3.5	1.88	5.04	267.70	2.64
3.6	1.90	5.23	281.69	2.64
3.7	1.93	5.42	296.04	2.64
3.8	1.95	5.62	310.75	2.64
3.9	1.98	5.81	325.83	2.64
4.0	2.00	6.01	341.27	2.64
4.1	2.03	6.21	357.08	2.64
4.2	2.05	6.42	373.27	2.64
4.3	2.08	6.62	389.83	2.64
4.4	2.10	6.83	406.76	2.64
4.5	2.13	7.05	424.07	2.64
4.6	2.15	7.26	441.77	2.64
4.7	2.18	7.48	459.84	2.64
4.8	2.20	7.70	478.31	2.64
4.9	2.23	7.92	497.16	2.64
5.0	2.25	8.14	516.40	2.64
5.1	2.28	8.37	536.03	2.64
5.2	2.30	8.60	556.06	2.64
5.3	2.33	8.83	576.48	2.64
5.4	2.35	9.06	597.31	2.64
5.5	2.38	9.30	618.53	2.64
5.6	2.40	9.54	640.16	2.64
5.7	2.43	9.78	662.20	2.64
5.8	2.46	10.03	684.65	2.64
5.9	2.48	10.27	707.51	2.64
6.0	2.51	10.52	730.78	2.64
6.1	2	100	20000	2.64

END FTABLE405

FTABLE 370

0.0	0.01	0.00	0.00	0.11
0.5	0.01	0.01	7.43	0.11
1.2	0.02	0.02	32.13	0.11
1.8	0.02	0.03	63.96	0.11
2.4	0.02	0.04	105.16	0.11
2.9	0.02	0.05	146.68	0.11
3.4	0.02	0.06	194.87	0.11
3.8	0.02	0.07	238.34	0.11
4.2	0.02	0.08	286.28	0.11
4.6	0.03	0.09	338.82	0.11
5.0	0.03	0.10	396.06	0.11
5.4	0.03	0.11	458.11	0.11
5.8	0.03	0.12	525.10	0.11
6.1	2	100	20000	0.11

END FTABLE370

FTABLE 313

62 5

0.0	0.80	0.00	0.00	5.16
0.1	0.82	0.08	1.25	5.16
0.2	0.84	0.16	3.97	5.16
0.3	0.86	0.25	7.78	5.16
0.4	0.88	0.33	12.56	5.16
0.5	0.89	0.42	18.21	5.16
0.6	0.91	0.51	24.67	5.16
0.7	0.93	0.61	31.90	5.16
0.8	0.95	0.70	39.86	5.16
0.9	0.97	0.80	48.54	5.16
1.0	0.99	0.89	57.92	5.16
1.1	1.01	1.00	67.97	5.16
1.2	1.03	1.10	78.70	5.16
1.3	1.05	1.20	90.08	5.16
1.4	1.07	1.31	102.11	5.16
1.5	1.09	1.42	114.79	5.16

1.6	1.11	1.53	128.11	5.16
1.7	1.13	1.64	142.07	5.16
1.8	1.15	1.75	156.66	5.16
1.9	1.17	1.87	171.90	5.16
2.0	1.19	1.99	187.76	5.16
2.1	1.21	2.11	204.26	5.16
2.2	1.23	2.23	221.40	5.16
2.3	1.25	2.36	239.17	5.16
2.4	1.27	2.48	257.59	5.16
2.5	1.29	2.61	276.64	5.16
2.6	1.31	2.74	296.33	5.16
2.7	1.33	2.87	316.67	5.16
2.8	1.35	3.01	337.65	5.16
2.9	1.37	3.14	359.29	5.16
3.0	1.39	3.28	381.58	5.16
3.1	1.41	3.42	404.52	5.16
3.2	1.43	3.56	428.13	5.16
3.3	1.45	3.71	452.39	5.16
3.4	1.47	3.85	477.33	5.16
3.5	1.49	4.00	502.93	5.16
3.6	1.51	4.15	529.21	5.16
3.7	1.53	4.30	556.16	5.16
3.8	1.55	4.46	583.80	5.16
3.9	1.57	4.61	612.12	5.16
4.0	1.59	4.77	641.13	5.16
4.1	1.61	4.93	670.84	5.16
4.2	1.63	5.09	701.25	5.16
4.3	1.65	5.26	732.35	5.16
4.4	1.67	5.43	764.17	5.16
4.5	1.69	5.59	796.69	5.16
4.6	1.71	5.76	829.93	5.16
4.7	1.73	5.94	863.89	5.16
4.8	1.75	6.11	898.58	5.16

4.9	1.77	6.29	933.99	5.16
5.0	1.79	6.46	970.14	5.16
5.1	1.81	6.64	1007.02	5.16
5.2	1.83	6.83	1044.65	5.16
5.3	1.85	7.01	1083.02	5.16
5.4	1.87	7.19	1122.14	5.16
5.5	1.89	7.38	1162.02	5.16
5.6	1.91	7.57	1202.66	5.16
5.7	1.93	7.76	1244.06	5.16
5.8	1.95	7.96	1286.23	5.16
5.9	1.97	8.15	1329.17	5.16
6.0	1.99	8.35	1372.90	5.16
6.1	2	100	20000	5.16

END FTABLE313

FTABLE 373

61 4

0.0	0.08	0.00	0.00
0.1	0.09	0.01	1.61
0.2	0.09	0.02	5.09
0.3	0.09	0.03	10.00
0.4	0.09	0.04	16.13
0.6	0.10	0.05	31.69
0.7	0.10	0.06	40.97
0.8	0.10	0.07	51.20
0.9	0.10	0.08	62.36
1.0	0.11	0.10	74.40
1.1	0.11	0.11	87.31
1.2	0.11	0.12	101.09
1.3	0.11	0.13	115.71
1.4	0.11	0.14	131.16
1.5	0.12	0.15	147.45
1.6	0.12	0.16	164.56
1.7	0.12	0.17	182.49

1.8	0.12	0.19	201.24
1.9	0.12	0.20	220.80
2.0	0.13	0.21	241.18
2.1	0.13	0.22	262.38
2.2	0.13	0.24	284.39
2.3	0.13	0.25	307.22
2.4	0.14	0.26	330.87
2.5	0.14	0.28	355.35
2.6	0.14	0.29	380.64
2.7	0.14	0.31	406.77
2.8	0.14	0.32	433.73
2.9	0.15	0.33	461.52
3.0	0.15	0.35	490.15
3.1	0.15	0.36	519.62
3.2	0.15	0.38	549.94
3.3	0.15	0.39	581.11
3.4	0.16	0.41	613.14
3.5	0.16	0.43	646.02
3.6	0.16	0.44	679.78
3.7	0.16	0.46	714.40
3.8	0.17	0.47	749.90
3.9	0.17	0.49	786.28
4.0	0.17	0.51	823.55
4.1	0.17	0.52	861.71
4.2	0.17	0.54	900.77
4.3	0.18	0.56	940.73
4.4	0.18	0.58	981.59
4.5	0.18	0.60	1023.37
4.6	0.18	0.61	1066.07
4.7	0.18	0.63	1109.69
4.8	0.19	0.65	1154.25
4.9	0.19	0.67	1199.73
5.0	0.19	0.69	1246.17

5.1	0.19	0.71	1293.54
5.2	0.19	0.73	1341.87
5.3	0.20	0.75	1391.16
5.4	0.20	0.77	1441.42
5.5	0.20	0.79	1492.64
5.6	0.20	0.81	1544.84
5.7	0.21	0.83	1598.02
5.8	0.21	0.85	1652.19
5.9	0.21	0.87	1707.35
6.0	0.21	0.89	1763.52
6.1	2	100	20000

END FTABLE373

FTABLE 362

62 4

0.0	0.12	0.00	0.00
0.1	0.12	0.01	1.93
0.2	0.13	0.02	6.12
0.3	0.13	0.04	12.02
0.4	0.13	0.05	19.39
0.5	0.14	0.06	28.11
0.6	0.14	0.08	38.08
0.7	0.14	0.09	49.24
0.8	0.15	0.11	61.54
0.9	0.15	0.12	74.94
1.0	0.15	0.14	89.42
1.1	0.15	0.15	104.94
1.2	0.16	0.17	121.49
1.3	0.16	0.18	139.06
1.4	0.16	0.20	157.64
1.5	0.17	0.22	177.21
1.6	0.17	0.23	197.78
1.7	0.17	0.25	219.33
1.8	0.18	0.27	241.86

1.9	0.18	0.28	265.37
2.0	0.18	0.30	289.87
2.1	0.18	0.32	315.34
2.2	0.19	0.34	341.80
2.3	0.19	0.36	369.24
2.4	0.19	0.38	397.66
2.5	0.20	0.40	427.07
2.6	0.20	0.42	457.48
2.7	0.20	0.44	488.88
2.8	0.21	0.46	521.27
2.9	0.21	0.48	554.67
3.0	0.21	0.50	589.08
3.1	0.21	0.52	624.50
3.2	0.22	0.54	660.94
3.3	0.22	0.56	698.41
3.4	0.22	0.59	736.90
3.5	0.23	0.61	776.42
3.6	0.23	0.63	816.99
3.7	0.23	0.65	858.61
3.8	0.24	0.68	901.27
3.9	0.24	0.70	945.00
4.0	0.24	0.73	989.79
4.1	0.24	0.75	1035.65
4.2	0.25	0.77	1082.59
4.3	0.25	0.80	1130.61
4.4	0.25	0.82	1179.73
4.5	0.26	0.85	1229.94
4.6	0.26	0.88	1281.26
4.7	0.26	0.90	1333.69
4.8	0.27	0.93	1387.23
4.9	0.27	0.96	1441.90
5.0	0.27	0.98	1497.70
5.1	0.28	1.01	1554.65

5.2	0.28	1.04	1612.73
5.3	0.28	1.07	1671.97
5.4	0.28	1.09	1732.37
5.5	0.29	1.12	1793.93
5.6	0.29	1.15	1856.67
5.7	0.29	1.18	1920.58
5.8	0.30	1.21	1985.69
5.9	0.30	1.24	2051.99
6.0	0.30	1.27	2119.48
6.1	2	100	20000

END FTABLE362

FTABLE 357

62 4

0.0	0.19	0.00	0.00
0.1	0.19	0.02	1.57
0.2	0.20	0.04	4.96
0.3	0.20	0.06	9.74
0.4	0.20	0.08	15.72
0.5	0.21	0.10	22.79
0.6	0.21	0.12	30.87
0.7	0.22	0.14	39.92
0.8	0.22	0.16	49.90
0.9	0.23	0.19	60.76
1.0	0.23	0.21	72.49
1.1	0.24	0.23	85.08
1.2	0.24	0.26	98.50
1.3	0.25	0.28	112.75
1.4	0.25	0.31	127.81
1.5	0.26	0.33	143.68
1.6	0.26	0.36	160.35
1.7	0.27	0.38	177.82
1.8	0.27	0.41	196.09
1.9	0.27	0.44	215.16

2.0	0.28	0.46	235.02
2.1	0.28	0.49	255.67
2.2	0.29	0.52	277.12
2.3	0.29	0.55	299.37
2.4	0.30	0.58	322.41
2.5	0.30	0.61	346.26
2.6	0.31	0.64	370.91
2.7	0.31	0.67	396.36
2.8	0.32	0.70	422.63
2.9	0.32	0.73	449.71
3.0	0.33	0.77	477.61
3.1	0.33	0.80	506.33
3.2	0.33	0.83	535.87
3.3	0.34	0.87	566.24
3.4	0.34	0.90	597.45
3.5	0.35	0.94	629.50
3.6	0.35	0.97	662.39
3.7	0.36	1.01	696.13
3.8	0.36	1.04	730.72
3.9	0.37	1.08	766.17
4.0	0.37	1.12	802.49
4.1	0.38	1.15	839.67
4.2	0.38	1.19	877.73
4.3	0.39	1.23	916.66
4.4	0.39	1.27	956.48
4.5	0.40	1.31	997.19
4.6	0.40	1.35	1038.80
4.7	0.40	1.39	1081.31
4.8	0.41	1.43	1124.72
4.9	0.41	1.47	1169.05
5.0	0.42	1.51	1214.29
5.1	0.42	1.55	1260.45
5.2	0.43	1.60	1307.55

5.3	0.43	1.64	1355.58
5.4	0.44	1.68	1404.55
5.5	0.44	1.73	1454.46
5.6	0.45	1.77	1505.32
5.7	0.45	1.82	1557.15
5.8	0.46	1.86	1609.93
5.9	0.46	1.91	1663.68
6.0	0.46	1.95	1718.41
6.1	2	100	20000

END FTABLE357

FTABLE 326

62 4

0.0	0.58	0.00	0.00
0.1	0.60	0.06	1.40
0.2	0.61	0.12	4.43
0.3	0.63	0.18	8.70
0.4	0.64	0.24	14.04
0.5	0.65	0.31	20.36
0.6	0.67	0.38	27.58
0.7	0.68	0.44	35.66
0.8	0.70	0.51	44.57
0.9	0.71	0.58	54.27
1.0	0.73	0.65	64.76
1.1	0.74	0.73	76.00
1.2	0.76	0.80	87.98
1.3	0.77	0.88	100.71
1.4	0.79	0.96	114.16
1.5	0.80	1.04	128.34
1.6	0.81	1.12	143.23
1.7	0.83	1.20	158.84
1.8	0.84	1.28	175.16
1.9	0.86	1.37	192.19
2.0	0.87	1.45	209.92

2.1	0.89	1.54	228.37
2.2	0.90	1.63	247.53
2.3	0.92	1.72	267.40
2.4	0.93	1.81	287.99
2.5	0.95	1.91	309.29
2.6	0.96	2.00	331.31
2.7	0.97	2.10	354.05
2.8	0.99	2.20	377.51
2.9	1.00	2.30	401.70
3.0	1.02	2.40	426.62
3.1	1.03	2.50	452.27
3.2	1.05	2.61	478.66
3.3	1.06	2.71	505.79
3.4	1.08	2.82	533.67
3.5	1.09	2.93	562.29
3.6	1.10	3.04	591.67
3.7	1.12	3.15	621.81
3.8	1.13	3.26	652.71
3.9	1.15	3.37	684.37
4.0	1.16	3.49	716.81
4.1	1.18	3.61	750.02
4.2	1.19	3.73	784.02
4.3	1.21	3.84	818.80
4.4	1.22	3.97	854.37
4.5	1.24	4.09	890.73
4.6	1.25	4.21	927.89
4.7	1.26	4.34	965.86
4.8	1.28	4.47	1004.64
4.9	1.29	4.60	1044.24
5.0	1.31	4.73	1084.65
5.1	1.32	4.86	1125.88
5.2	1.34	4.99	1167.95
5.3	1.35	5.12	1210.85

5.4	1.37	5.26	1254.59
5.5	1.38	5.40	1299.18
5.6	1.40	5.54	1344.61
5.7	1.41	5.68	1390.90
5.8	1.42	5.82	1438.05
5.9	1.44	5.96	1486.06
6.0	1.45	6.11	1534.94
6.1	2	100	20000

END FTABLE326

FTABLE 338

62 5

0.0	0.46	0.00	0.00	1.21
0.1	0.47	0.05	0.96	1.21
0.2	0.48	0.09	3.03	1.21
0.3	0.49	0.14	5.95	1.21
0.4	0.50	0.19	9.59	1.21
0.5	0.51	0.24	13.91	1.21
0.6	0.52	0.29	18.84	1.21
0.7	0.54	0.35	24.36	1.21
0.8	0.55	0.40	30.45	1.21
0.9	0.56	0.46	37.08	1.21
1.0	0.57	0.51	44.24	1.21
1.1	0.58	0.57	51.92	1.21
1.2	0.59	0.63	60.11	1.21
1.3	0.60	0.69	68.80	1.21
1.4	0.62	0.75	77.99	1.21
1.5	0.63	0.81	87.67	1.21
1.6	0.64	0.88	97.84	1.21
1.7	0.65	0.94	108.51	1.21
1.8	0.66	1.01	119.65	1.21
1.9	0.67	1.07	131.29	1.21
2.0	0.68	1.14	143.41	1.21
2.1	0.70	1.21	156.01	1.21

2.2	0.71	1.28	169.10	1.21
2.3	0.72	1.35	182.67	1.21
2.4	0.73	1.42	196.73	1.21
2.5	0.74	1.50	211.29	1.21
2.6	0.75	1.57	226.33	1.21
2.7	0.76	1.65	241.86	1.21
2.8	0.78	1.72	257.89	1.21
2.9	0.79	1.80	274.41	1.21
3.0	0.80	1.88	291.44	1.21
3.1	0.81	1.96	308.96	1.21
3.2	0.82	2.04	326.99	1.21
3.3	0.83	2.13	345.52	1.21
3.4	0.84	2.21	364.56	1.21
3.5	0.86	2.30	384.12	1.21
3.6	0.87	2.38	404.19	1.21
3.7	0.88	2.47	424.78	1.21
3.8	0.89	2.56	445.88	1.21
3.9	0.90	2.65	467.52	1.21
4.0	0.91	2.74	489.67	1.21
4.1	0.92	2.83	512.36	1.21
4.2	0.94	2.92	535.59	1.21
4.3	0.95	3.02	559.34	1.21
4.4	0.96	3.11	583.64	1.21
4.5	0.97	3.21	608.48	1.21
4.6	0.98	3.31	633.87	1.21
4.7	0.99	3.40	659.81	1.21
4.8	1.00	3.50	686.30	1.21
4.9	1.02	3.60	713.35	1.21
5.0	1.03	3.71	740.96	1.21
5.1	1.04	3.81	769.13	1.21
5.2	1.05	3.91	797.86	1.21
5.3	1.06	4.02	827.17	1.21
5.4	1.07	4.13	857.05	1.21

5.5	1.08	4.23	887.51	1.21
5.6	1.09	4.34	918.54	1.21
5.7	1.11	4.45	950.17	1.21
5.8	1.12	4.56	982.37	1.21
5.9	1.13	4.68	1015.17	1.21
6.0	1.14	4.79	1048.57	1.21
6.1	2	100	20000	1.21

END FTABLE338

FTABLE 408

62 5

0.0	0.09	0.00	0.00	0.99
0.1	0.09	0.01	0.86	0.99
0.2	0.09	0.02	2.71	0.99
0.3	0.10	0.03	5.32	0.99
0.4	0.10	0.04	8.58	0.99
0.5	0.10	0.05	12.44	0.99
0.6	0.10	0.06	16.85	0.99
0.7	0.11	0.07	21.79	0.99
0.8	0.11	0.08	27.23	0.99
0.9	0.11	0.09	33.16	0.99
1.0	0.11	0.10	39.57	0.99
1.1	0.11	0.11	46.43	0.99
1.2	0.12	0.12	53.76	0.99
1.3	0.12	0.14	61.53	0.99
1.4	0.12	0.15	69.75	0.99
1.5	0.12	0.16	78.42	0.99
1.6	0.13	0.17	87.52	0.99
1.7	0.13	0.18	97.05	0.99
1.8	0.13	0.20	107.02	0.99
1.9	0.13	0.21	117.43	0.99
2.0	0.13	0.22	128.27	0.99
2.1	0.14	0.24	139.54	0.99
2.2	0.14	0.25	151.25	0.99

2.3	0.14	0.27	163.39	0.99
2.4	0.14	0.28	175.96	0.99
2.5	0.15	0.29	188.98	0.99
2.6	0.15	0.31	202.43	0.99
2.7	0.15	0.32	216.33	0.99
2.8	0.15	0.34	230.66	0.99
2.9	0.15	0.35	245.44	0.99
3.0	0.16	0.37	260.67	0.99
3.1	0.16	0.39	276.34	0.99
3.2	0.16	0.40	292.47	0.99
3.3	0.16	0.42	309.04	0.99
3.4	0.17	0.43	326.08	0.99
3.5	0.17	0.45	343.57	0.99
3.6	0.17	0.47	361.52	0.99
3.7	0.17	0.48	379.93	0.99
3.8	0.17	0.50	398.81	0.99
3.9	0.18	0.52	418.16	0.99
4.0	0.18	0.54	437.98	0.99
4.1	0.18	0.56	458.27	0.99
4.2	0.18	0.57	479.04	0.99
4.3	0.19	0.59	500.29	0.99
4.4	0.19	0.61	522.03	0.99
4.5	0.19	0.63	544.25	0.99
4.6	0.19	0.65	566.95	0.99
4.7	0.19	0.67	590.15	0.99
4.8	0.20	0.69	613.85	0.99
4.9	0.20	0.71	638.04	0.99
5.0	0.20	0.73	662.73	0.99
5.1	0.20	0.75	687.93	0.99
5.2	0.21	0.77	713.63	0.99
5.3	0.21	0.79	739.84	0.99
5.4	0.21	0.81	766.57	0.99
5.5	0.21	0.83	793.81	0.99

5.6	0.21	0.85	821.57	0.99
5.7	0.22	0.87	849.85	0.99
5.8	0.22	0.90	878.66	0.99
5.9	0.22	0.92	908.00	0.99
6.0	0.22	0.94	937.87	0.99
6.1	2	100	20000	0.99

END FTABLE408

FTABLE 323

18 4

0.0	0.02	0.00	0.00
0.4	0.02	0.01	14.04
0.9	0.02	0.02	54.27
1.5	0.02	0.03	128.34
1.9	0.02	0.04	192.19
2.4	0.02	0.05	287.99
2.8	0.03	0.06	377.51
3.1	0.03	0.07	452.27
3.5	0.03	0.08	562.29
3.8	0.03	0.09	652.71
4.2	0.03	0.10	784.02
4.5	0.03	0.11	890.73
4.8	0.03	0.12	1004.64
5.1	0.03	0.13	1125.88
5.4	0.04	0.14	1254.59
5.7	0.04	0.15	1390.90
5.9	0.04	0.16	1486.06
6.1	2	100	20000

END FTABLE323

FTABLE 406

62 5

0.0	0.33	0.00	0.00	0.55
0.1	0.34	0.03	0.77	0.55
0.2	0.35	0.07	2.46	0.55

0.3	0.36	0.10	4.82	0.55
0.4	0.36	0.14	7.78	0.55
0.5	0.37	0.18	11.27	0.55
0.6	0.38	0.21	15.27	0.55
0.7	0.39	0.25	19.75	0.55
0.8	0.40	0.29	24.68	0.55
0.9	0.41	0.33	30.06	0.55
1.0	0.41	0.37	35.86	0.55
1.1	0.42	0.41	42.08	0.55
1.2	0.43	0.46	48.72	0.55
1.3	0.44	0.50	55.77	0.55
1.4	0.45	0.55	63.22	0.55
1.5	0.46	0.59	71.07	0.55
1.6	0.46	0.64	79.32	0.55
1.7	0.47	0.68	87.96	0.55
1.8	0.48	0.73	97.00	0.55
1.9	0.49	0.78	106.43	0.55
2.0	0.50	0.83	116.25	0.55
2.1	0.51	0.88	126.47	0.55
2.2	0.51	0.93	137.08	0.55
2.3	0.52	0.98	148.08	0.55
2.4	0.53	1.03	159.48	0.55
2.5	0.54	1.09	171.28	0.55
2.6	0.55	1.14	183.47	0.55
2.7	0.56	1.20	196.06	0.55
2.8	0.56	1.25	209.06	0.55
2.9	0.57	1.31	222.45	0.55
3.0	0.58	1.37	236.25	0.55
3.1	0.59	1.43	250.46	0.55
3.2	0.60	1.48	265.07	0.55
3.3	0.60	1.55	280.09	0.55
3.4	0.61	1.61	295.53	0.55
3.5	0.62	1.67	311.38	0.55

3.6	0.63	1.73	327.65	0.55
3.7	0.64	1.79	344.34	0.55
3.8	0.65	1.86	361.45	0.55
3.9	0.65	1.92	378.99	0.55
4.0	0.66	1.99	396.95	0.55
4.1	0.67	2.06	415.34	0.55
4.2	0.68	2.12	434.17	0.55
4.3	0.69	2.19	453.43	0.55
4.4	0.70	2.26	473.13	0.55
4.5	0.70	2.33	493.26	0.55
4.6	0.71	2.40	513.84	0.55
4.7	0.72	2.47	534.87	0.55
4.8	0.73	2.55	556.35	0.55
4.9	0.74	2.62	578.27	0.55
5.0	0.75	2.69	600.65	0.55
5.1	0.75	2.77	623.49	0.55
5.2	0.76	2.84	646.78	0.55
5.3	0.77	2.92	670.54	0.55
5.4	0.78	3.00	694.76	0.55
5.5	0.79	3.08	719.45	0.55
5.6	0.80	3.16	744.61	0.55
5.7	0.80	3.24	770.25	0.55
5.8	0.81	3.32	796.36	0.55
5.9	0.82	3.40	822.94	0.55
6.0	0.83	3.48	850.01	0.55
6.1	2	100	20000	0.55

END FTABLE406

FTABLE 409

62 5

0.0	0.19	0.00	0.00	3.85
0.1	0.19	0.02	0.54	3.85
0.2	0.20	0.04	1.70	3.85
0.3	0.20	0.06	3.33	3.85

0.4	0.21	0.08	5.38	3.85
0.5	0.21	0.10	7.80	3.85
0.6	0.22	0.12	10.56	3.85
0.7	0.22	0.14	13.66	3.85
0.8	0.23	0.17	17.07	3.85
0.9	0.23	0.19	20.79	3.85
1.0	0.24	0.21	24.80	3.85
1.1	0.24	0.24	29.10	3.85
1.2	0.25	0.26	33.70	3.85
1.3	0.25	0.29	38.57	3.85
1.4	0.26	0.31	43.72	3.85
1.5	0.26	0.34	49.15	3.85
1.6	0.27	0.36	54.85	3.85
1.7	0.27	0.39	60.83	3.85
1.8	0.28	0.42	67.08	3.85
1.9	0.28	0.45	73.60	3.85
2.0	0.28	0.47	80.39	3.85
2.1	0.29	0.50	87.46	3.85
2.2	0.29	0.53	94.80	3.85
2.3	0.30	0.56	102.41	3.85
2.4	0.30	0.59	110.29	3.85
2.5	0.31	0.62	118.45	3.85
2.6	0.31	0.65	126.88	3.85
2.7	0.32	0.69	135.59	3.85
2.8	0.32	0.72	144.58	3.85
2.9	0.33	0.75	153.84	3.85
3.0	0.33	0.78	163.38	3.85
3.1	0.34	0.82	173.21	3.85
3.2	0.34	0.85	183.31	3.85
3.3	0.35	0.88	193.70	3.85
3.4	0.35	0.92	204.38	3.85
3.5	0.36	0.95	215.34	3.85
3.6	0.36	0.99	226.59	3.85

3.7	0.37	1.03	238.13	3.85
3.8	0.37	1.06	249.97	3.85
3.9	0.37	1.10	262.10	3.85
4.0	0.38	1.14	274.52	3.85
4.1	0.38	1.18	287.24	3.85
4.2	0.39	1.22	300.26	3.85
4.3	0.39	1.25	313.58	3.85
4.4	0.40	1.29	327.20	3.85
4.5	0.40	1.33	341.12	3.85
4.6	0.41	1.37	355.36	3.85
4.7	0.41	1.42	369.90	3.85
4.8	0.42	1.46	384.75	3.85
4.9	0.42	1.50	399.91	3.85
5.0	0.43	1.54	415.39	3.85
5.1	0.43	1.58	431.18	3.85
5.2	0.44	1.63	447.29	3.85
5.3	0.44	1.67	463.72	3.85
5.4	0.45	1.72	480.47	3.85
5.5	0.45	1.76	497.55	3.85
5.6	0.46	1.81	514.95	3.85
5.7	0.46	1.85	532.67	3.85
5.8	0.46	1.90	550.73	3.85
5.9	0.47	1.95	569.12	3.85
6.0	0.47	1.99	587.84	3.85
6.1	2	100	20000	3.85

END FTABLE409

FTABLE 400

62 5

0.0	0.20	0.00	0.00	0.99
0.1	0.20	0.02	0.76	0.99
0.2	0.21	0.04	2.40	0.99
0.3	0.21	0.06	4.71	0.99
0.4	0.22	0.08	7.61	0.99

0.5	0.22	0.11	11.03	0.99
0.6	0.23	0.13	14.94	0.99
0.7	0.23	0.15	19.31	0.99
0.8	0.24	0.18	24.14	0.99
0.9	0.24	0.20	29.39	0.99
1.0	0.25	0.22	35.07	0.99
1.1	0.25	0.25	41.16	0.99
1.2	0.26	0.27	47.65	0.99
1.3	0.26	0.30	54.54	0.99
1.4	0.27	0.33	61.83	0.99
1.5	0.27	0.35	69.51	0.99
1.6	0.28	0.38	77.57	0.99
1.7	0.28	0.41	86.03	0.99
1.8	0.29	0.44	94.86	0.99
1.9	0.29	0.47	104.09	0.99
2.0	0.30	0.50	113.70	0.99
2.1	0.30	0.53	123.69	0.99
2.2	0.31	0.56	134.06	0.99
2.3	0.31	0.59	144.83	0.99
2.4	0.32	0.62	155.98	0.99
2.5	0.32	0.65	167.51	0.99
2.6	0.33	0.69	179.44	0.99
2.7	0.33	0.72	191.75	0.99
2.8	0.34	0.75	204.46	0.99
2.9	0.34	0.79	217.56	0.99
3.0	0.35	0.82	231.06	0.99
3.1	0.35	0.86	244.95	0.99
3.2	0.36	0.89	259.24	0.99
3.3	0.36	0.93	273.94	0.99
3.4	0.37	0.97	289.04	0.99
3.5	0.37	1.00	304.54	0.99
3.6	0.38	1.04	320.45	0.99
3.7	0.38	1.08	336.77	0.99

3.8	0.39	1.12	353.51	0.99
3.9	0.39	1.16	370.66	0.99
4.0	0.40	1.20	388.23	0.99
4.1	0.40	1.24	406.21	0.99
4.2	0.41	1.28	424.63	0.99
4.3	0.41	1.32	443.46	0.99
4.4	0.42	1.36	462.73	0.99
4.5	0.42	1.40	482.42	0.99
4.6	0.43	1.44	502.55	0.99
4.7	0.43	1.49	523.11	0.99
4.8	0.44	1.53	544.12	0.99
4.9	0.44	1.57	565.56	0.99
5.0	0.45	1.62	587.45	0.99
5.1	0.45	1.66	609.78	0.99
5.2	0.46	1.71	632.57	0.99
5.3	0.46	1.76	655.80	0.99
5.4	0.47	1.80	679.49	0.99
5.5	0.47	1.85	703.64	0.99
5.6	0.48	1.90	728.24	0.99
5.7	0.48	1.95	753.31	0.99
5.8	0.49	1.99	778.85	0.99
5.9	0.49	2.04	804.85	0.99
6.0	0.50	2.09	831.33	0.99
6.1	2	100	20000	0.99

END FTABLE400

FTABLE 374

62 5

0.0	0.19	0.00	0.00	2.42
0.1	0.19	0.02	0.81	2.42
0.2	0.20	0.04	2.56	2.42
0.3	0.20	0.06	5.02	2.42
0.4	0.21	0.08	8.11	2.42
0.5	0.21	0.10	11.75	2.42

0.6	0.21	0.12	15.92	2.42
0.7	0.22	0.14	20.59	2.42
0.8	0.22	0.16	25.73	2.42
0.9	0.23	0.19	31.33	2.42
1.0	0.23	0.21	37.39	2.42
1.1	0.24	0.23	43.88	2.42
1.2	0.24	0.26	50.80	2.42
1.3	0.25	0.28	58.14	2.42
1.4	0.25	0.31	65.91	2.42
1.5	0.26	0.33	74.10	2.42
1.6	0.26	0.36	82.69	2.42
1.7	0.27	0.38	91.70	2.42
1.8	0.27	0.41	101.13	2.42
1.9	0.27	0.44	110.96	2.42
2.0	0.28	0.47	121.20	2.42
2.1	0.28	0.49	131.85	2.42
2.2	0.29	0.52	142.91	2.42
2.3	0.29	0.55	154.39	2.42
2.4	0.30	0.58	166.27	2.42
2.5	0.30	0.61	178.57	2.42
2.6	0.31	0.64	191.28	2.42
2.7	0.31	0.67	204.41	2.42
2.8	0.32	0.70	217.96	2.42
2.9	0.32	0.74	231.92	2.42
3.0	0.33	0.77	246.31	2.42
3.1	0.33	0.80	261.12	2.42
3.2	0.34	0.84	276.35	2.42
3.3	0.34	0.87	292.02	2.42
3.4	0.34	0.90	308.11	2.42
3.5	0.35	0.94	324.64	2.42
3.6	0.35	0.97	341.60	2.42
3.7	0.36	1.01	359.00	2.42
3.8	0.36	1.04	376.84	2.42

3.9	0.37	1.08	395.12	2.42
4.0	0.37	1.12	413.85	2.42
4.1	0.38	1.16	433.03	2.42
4.2	0.38	1.19	452.65	2.42
4.3	0.39	1.23	472.73	2.42
4.4	0.39	1.27	493.27	2.42
4.5	0.40	1.31	514.26	2.42
4.6	0.40	1.35	535.72	2.42
4.7	0.41	1.39	557.64	2.42
4.8	0.41	1.43	580.03	2.42
4.9	0.41	1.47	602.89	2.42
5.0	0.42	1.51	626.22	2.42
5.1	0.42	1.56	650.03	2.42
5.2	0.43	1.60	674.32	2.42
5.3	0.43	1.64	699.09	2.42
5.4	0.44	1.69	724.34	2.42
5.5	0.44	1.73	750.08	2.42
5.6	0.45	1.77	776.31	2.42
5.7	0.45	1.82	803.04	2.42
5.8	0.46	1.86	830.26	2.42
5.9	0.46	1.91	857.98	2.42
6.0	0.47	1.96	886.20	2.42
6.1	2	100	20000	2.42

END FTABLE374

FTABLE 321

62 4

0.0	0.10	0.00	0.00
0.1	0.10	0.01	0.93
0.2	0.10	0.02	2.94
0.3	0.10	0.03	5.77
0.4	0.11	0.04	9.31
0.5	0.11	0.05	13.50
0.6	0.11	0.06	18.29

0.7	0.11	0.07	23.65
0.8	0.12	0.09	29.56
0.9	0.12	0.10	36.00
1.0	0.12	0.11	42.95
1.1	0.12	0.12	50.41
1.2	0.13	0.13	58.36
1.3	0.13	0.15	66.80
1.4	0.13	0.16	75.73
1.5	0.13	0.17	85.13
1.6	0.14	0.19	95.01
1.7	0.14	0.20	105.36
1.8	0.14	0.21	116.19
1.9	0.14	0.23	127.48
2.0	0.15	0.24	139.25
2.1	0.15	0.26	151.49
2.2	0.15	0.27	164.19
2.3	0.15	0.29	177.38
2.4	0.15	0.30	191.03
2.5	0.16	0.32	205.16
2.6	0.16	0.33	219.76
2.7	0.16	0.35	234.85
2.8	0.16	0.37	250.41
2.9	0.17	0.38	266.46
3.0	0.17	0.40	282.99
3.1	0.17	0.42	300.00
3.2	0.17	0.43	317.51
3.3	0.18	0.45	335.50
3.4	0.18	0.47	353.99
3.5	0.18	0.49	372.98
3.6	0.18	0.51	392.47
3.7	0.19	0.52	412.46
3.8	0.19	0.54	432.96
3.9	0.19	0.56	453.96

4.0	0.19	0.58	475.48
4.1	0.20	0.60	497.51
4.2	0.20	0.62	520.06
4.3	0.20	0.64	543.13
4.4	0.20	0.66	566.72
4.5	0.21	0.68	590.84
4.6	0.21	0.70	615.50
4.7	0.21	0.72	640.68
4.8	0.21	0.74	666.40
4.9	0.22	0.76	692.67
5.0	0.22	0.79	719.47
5.1	0.22	0.81	746.83
5.2	0.22	0.83	774.73
5.3	0.22	0.85	803.19
5.4	0.23	0.88	832.20
5.5	0.23	0.90	861.78
5.6	0.23	0.92	891.91
5.7	0.23	0.94	922.62
5.8	0.24	0.97	953.89
5.9	0.24	0.99	985.74
6.0	0.24	1.02	1018.17
6.1	2	100	20000

END FTABLE321

FTABLE 320

56 5

0.0	0.06	0.00	0.00	0.66
0.1	0.06	0.01	1.14	0.66
0.3	0.06	0.02	7.11	0.66
0.5	0.07	0.03	16.62	0.66
0.6	0.07	0.04	22.52	0.66
0.8	0.07	0.05	36.39	0.66
0.9	0.07	0.06	44.31	0.66
1.0	0.07	0.07	52.87	0.66

1.2	0.08	0.08	71.84	0.66
1.3	0.08	0.09	82.23	0.66
1.4	0.08	0.10	93.21	0.66
1.5	0.08	0.11	104.79	0.66
1.7	0.08	0.12	129.69	0.66
1.8	0.09	0.13	143.01	0.66
1.9	0.09	0.14	156.92	0.66
2.0	0.09	0.15	171.40	0.66
2.1	0.09	0.16	186.47	0.66
2.2	0.09	0.17	202.11	0.66
2.4	0.09	0.18	235.14	0.66
2.5	0.10	0.19	252.53	0.66
2.6	0.10	0.20	270.51	0.66
2.7	0.10	0.21	289.08	0.66
2.8	0.10	0.22	308.24	0.66
2.9	0.10	0.23	327.99	0.66
3.0	0.10	0.24	348.33	0.66
3.1	0.10	0.25	369.28	0.66
3.2	0.11	0.26	390.82	0.66
3.3	0.11	0.28	412.98	0.66
3.4	0.11	0.29	435.74	0.66
3.5	0.11	0.30	459.11	0.66
3.6	0.11	0.31	483.10	0.66
3.7	0.11	0.32	507.70	0.66
3.8	0.12	0.33	532.93	0.66
3.9	0.12	0.34	558.79	0.66
4.0	0.12	0.35	585.27	0.66
4.1	0.12	0.37	612.39	0.66
4.2	0.12	0.38	640.15	0.66
4.3	0.12	0.39	668.54	0.66
4.4	0.12	0.40	697.59	0.66
4.5	0.13	0.42	727.28	0.66
4.6	0.13	0.43	757.62	0.66

4.7	0.13	0.44	788.62	0.66
4.8	0.13	0.45	820.29	0.66
4.9	0.13	0.47	852.61	0.66
5.0	0.13	0.48	885.61	0.66
5.1	0.13	0.49	919.28	0.66
5.2	0.14	0.51	953.63	0.66
5.3	0.14	0.52	988.66	0.66
5.4	0.14	0.53	1024.37	0.66
5.5	0.14	0.55	1060.77	0.66
5.6	0.14	0.56	1097.87	0.66
5.7	0.14	0.58	1135.66	0.66
5.8	0.14	0.59	1174.16	0.66
5.9	0.15	0.61	1213.36	0.66
6.0	0.15	0.62	1253.28	0.66
6.1	2	100	20000	0.66

END FTABLE320

FTABLE 297

62 4

0.0	0.92	0.00	0.00
0.1	0.94	0.09	0.96
0.2	0.97	0.19	3.03
0.3	0.99	0.29	5.95
0.4	1.01	0.39	9.59
0.5	1.04	0.49	13.91
0.6	1.06	0.59	18.84
0.7	1.08	0.70	24.36
0.8	1.10	0.81	30.45
0.9	1.13	0.92	37.08
1.0	1.15	1.04	44.24
1.1	1.17	1.15	51.92
1.2	1.20	1.27	60.11
1.3	1.22	1.39	68.80
1.4	1.24	1.51	77.99

1.5	1.27	1.64	87.67
1.6	1.29	1.77	97.84
1.7	1.31	1.90	108.51
1.8	1.33	2.03	119.65
1.9	1.36	2.16	131.29
2.0	1.38	2.30	143.41
2.1	1.40	2.44	156.01
2.2	1.43	2.58	169.10
2.3	1.45	2.73	182.67
2.4	1.47	2.87	196.73
2.5	1.50	3.02	211.29
2.6	1.52	3.17	226.33
2.7	1.54	3.32	241.86
2.8	1.56	3.48	257.89
2.9	1.59	3.64	274.41
3.0	1.61	3.80	291.44
3.1	1.63	3.96	308.96
3.2	1.66	4.12	326.99
3.3	1.68	4.29	345.52
3.4	1.70	4.46	364.56
3.5	1.73	4.63	384.12
3.6	1.75	4.80	404.19
3.7	1.77	4.98	424.78
3.8	1.79	5.16	445.88
3.9	1.82	5.34	467.52
4.0	1.84	5.52	489.67
4.1	1.86	5.71	512.36
4.2	1.89	5.90	535.59
4.3	1.91	6.09	559.34
4.4	1.93	6.28	583.64
4.5	1.96	6.47	608.48
4.6	1.98	6.67	633.87
4.7	2.00	6.87	659.81

4.8	2.02	7.07	686.30
4.9	2.05	7.27	713.35
5.0	2.07	7.48	740.96
5.1	2.09	7.69	769.13
5.2	2.12	7.90	797.86
5.3	2.14	8.11	827.17
5.4	2.16	8.33	857.05
5.5	2.19	8.54	887.51
5.6	2.21	8.76	918.54
5.7	2.23	8.98	950.17
5.8	2.25	9.21	982.37
5.9	2.28	9.44	1015.17
6.0	2.30	9.66	1048.57
6.1	2	100	20000

END FTABLE297

FTABLE 290

62 4

0.0	0.61	0.00	0.00
0.1	0.63	0.06	0.93
0.2	0.64	0.13	2.94
0.3	0.66	0.19	5.77
0.4	0.67	0.26	9.31
0.5	0.69	0.32	13.50
0.6	0.70	0.39	18.29
0.7	0.72	0.46	23.65
0.8	0.73	0.54	29.56
0.9	0.75	0.61	36.00
1.0	0.76	0.69	42.95
1.1	0.78	0.76	50.41
1.2	0.79	0.84	58.36
1.3	0.81	0.92	66.80
1.4	0.82	1.00	75.73
1.5	0.84	1.09	85.13

1.6	0.85	1.17	95.01
1.7	0.87	1.26	105.36
1.8	0.88	1.35	116.19
1.9	0.90	1.43	127.48
2.0	0.92	1.53	139.25
2.1	0.93	1.62	151.49
2.2	0.95	1.71	164.19
2.3	0.96	1.81	177.38
2.4	0.98	1.90	191.03
2.5	0.99	2.00	205.16
2.6	1.01	2.10	219.76
2.7	1.02	2.20	234.85
2.8	1.04	2.31	250.41
2.9	1.05	2.41	266.46
3.0	1.07	2.52	282.99
3.1	1.08	2.62	300.00
3.2	1.10	2.73	317.51
3.3	1.11	2.84	335.50
3.4	1.13	2.96	353.99
3.5	1.14	3.07	372.98
3.6	1.16	3.18	392.47
3.7	1.17	3.30	412.46
3.8	1.19	3.42	432.96
3.9	1.20	3.54	453.96
4.0	1.22	3.66	475.48
4.1	1.24	3.78	497.51
4.2	1.25	3.91	520.06
4.3	1.27	4.03	543.13
4.4	1.28	4.16	566.72
4.5	1.30	4.29	590.84
4.6	1.31	4.42	615.50
4.7	1.33	4.55	640.68
4.8	1.34	4.69	666.40

4.9	1.36	4.82	692.67
5.0	1.37	4.96	719.47
5.1	1.39	5.09	746.83
5.2	1.40	5.23	774.73
5.3	1.42	5.38	803.19
5.4	1.43	5.52	832.20
5.5	1.45	5.66	861.78
5.6	1.46	5.81	891.91
5.7	1.48	5.95	922.62
5.8	1.49	6.10	953.89
5.9	1.51	6.25	985.74
6.0	1.53	6.41	1018.17
6.1	2	100	20000

END FTABLE290

*** 57th Ave, Evaporation Pond, 0.46 acre area, only evaporation occur, storage of 2.44 acre ft is considered in outflow

FTABLE 390

11 5

0.0	0.46	0.00	0.00	1.1
5.2	0.46	2.44	0.00	1.1
5.3	0.46	2.50	463.72	1.1
5.4	0.46	2.57	480.47	1.1
5.5	0.46	2.63	497.55	1.1
5.6	0.46	2.70	514.95	1.1
5.7	0.46	2.77	532.67	1.1
5.8	0.46	2.84	550.73	1.1
5.9	0.46	2.91	569.12	1.1
6.0	0.46	2.98	587.84	1.1
6.1	0.46	100	20000	1.1

END FTABLE390

FTABLE 388

62 5

0.0	0.51	0.00	0.00	3.96
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0.1	0.53	0.05	0.90	3.96
0.2	0.54	0.11	2.85	3.96
0.3	0.55	0.16	5.60	3.96
0.4	0.57	0.22	9.03	3.96
0.5	0.58	0.27	13.09	3.96
0.6	0.59	0.33	17.73	3.96
0.7	0.60	0.39	22.93	3.96
0.8	0.62	0.45	28.65	3.96
0.9	0.63	0.52	34.89	3.96
1.0	0.64	0.58	41.63	3.96
1.1	0.66	0.64	48.86	3.96
1.2	0.67	0.71	56.57	3.96
1.3	0.68	0.78	64.75	3.96
1.4	0.69	0.85	73.40	3.96
1.5	0.71	0.92	82.51	3.96
1.6	0.72	0.99	92.08	3.96
1.7	0.73	1.06	102.12	3.96
1.8	0.75	1.13	112.61	3.96
1.9	0.76	1.21	123.56	3.96
2.0	0.77	1.29	134.96	3.96
2.1	0.78	1.36	146.82	3.96
2.2	0.80	1.44	159.14	3.96
2.3	0.81	1.52	171.92	3.96
2.4	0.82	1.61	185.15	3.96
2.5	0.84	1.69	198.85	3.96
2.6	0.85	1.77	213.00	3.96
2.7	0.86	1.86	227.62	3.96
2.8	0.87	1.95	242.70	3.96
2.9	0.89	2.03	258.26	3.96
3.0	0.90	2.12	274.28	3.96
3.1	0.91	2.21	290.77	3.96
3.2	0.93	2.31	307.74	3.96
3.3	0.94	2.40	325.18	3.96

3.4	0.95	2.49	343.10	3.96
3.5	0.96	2.59	361.50	3.96
3.6	0.98	2.69	380.39	3.96
3.7	0.99	2.78	399.77	3.96
3.8	1.00	2.88	419.63	3.96
3.9	1.02	2.99	439.99	3.96
4.0	1.03	3.09	460.84	3.96
4.1	1.04	3.19	482.20	3.96
4.2	1.05	3.30	504.05	3.96
4.3	1.07	3.40	526.41	3.96
4.4	1.08	3.51	549.28	3.96
4.5	1.09	3.62	572.66	3.96
4.6	1.11	3.73	596.55	3.96
4.7	1.12	3.84	620.96	3.96
4.8	1.13	3.95	645.89	3.96
4.9	1.14	4.07	671.35	3.96
5.0	1.16	4.18	697.33	3.96
5.1	1.17	4.30	723.84	3.96
5.2	1.18	4.42	750.89	3.96
5.3	1.20	4.53	778.47	3.96
5.4	1.21	4.65	806.59	3.96
5.5	1.22	4.78	835.25	3.96
5.6	1.24	4.90	864.46	3.96
5.7	1.25	5.02	894.22	3.96
5.8	1.26	5.15	924.54	3.96
5.9	1.27	5.28	955.40	3.96
6.0	1.29	5.40	986.83	3.96
6.1	2	100	20000	3.96

END FTABLE388

FTABLE 381

62 5

0.0	0.15	0.00	0.00	0.55
0.1	0.15	0.01	0.94	0.55

0.2	0.16	0.03	2.99	0.55
0.3	0.16	0.05	5.86	0.55
0.4	0.16	0.06	9.46	0.55
0.5	0.17	0.08	13.71	0.55
0.6	0.17	0.10	18.57	0.55
0.7	0.17	0.11	24.01	0.55
0.8	0.18	0.13	30.01	0.55
0.9	0.18	0.15	36.54	0.55
1.0	0.18	0.17	43.60	0.55
1.1	0.19	0.18	51.17	0.55
1.2	0.19	0.20	59.24	0.55
1.3	0.20	0.22	67.81	0.55
1.4	0.20	0.24	76.87	0.55
1.5	0.20	0.26	86.41	0.55
1.6	0.21	0.28	96.44	0.55
1.7	0.21	0.30	106.95	0.55
1.8	0.21	0.33	117.93	0.55
1.9	0.22	0.35	129.40	0.55
2.0	0.22	0.37	141.34	0.55
2.1	0.23	0.39	153.76	0.55
2.2	0.23	0.41	166.66	0.55
2.3	0.23	0.44	180.04	0.55
2.4	0.24	0.46	193.90	0.55
2.5	0.24	0.48	208.24	0.55
2.6	0.24	0.51	223.07	0.55
2.7	0.25	0.53	238.38	0.55
2.8	0.25	0.56	254.18	0.55
2.9	0.25	0.58	270.46	0.55
3.0	0.26	0.61	287.24	0.55
3.1	0.26	0.64	304.51	0.55
3.2	0.27	0.66	322.28	0.55
3.3	0.27	0.69	340.55	0.55
3.4	0.27	0.72	359.32	0.55

3.5	0.28	0.74	378.59	0.55
3.6	0.28	0.77	398.37	0.55
3.7	0.28	0.80	418.66	0.55
3.8	0.29	0.83	439.47	0.55
3.9	0.29	0.86	460.79	0.55
4.0	0.30	0.89	482.63	0.55
4.1	0.30	0.92	504.99	0.55
4.2	0.30	0.95	527.88	0.55
4.3	0.31	0.98	551.30	0.55
4.4	0.31	1.01	575.25	0.55
4.5	0.31	1.04	599.73	0.55
4.6	0.32	1.07	624.75	0.55
4.7	0.32	1.10	650.32	0.55
4.8	0.33	1.13	676.43	0.55
4.9	0.33	1.17	703.08	0.55
5.0	0.33	1.20	730.29	0.55
5.1	0.34	1.23	758.06	0.55
5.2	0.34	1.27	786.38	0.55
5.3	0.34	1.30	815.27	0.55
5.4	0.35	1.34	844.72	0.55
5.5	0.35	1.37	874.74	0.55
5.6	0.35	1.41	905.33	0.55
5.7	0.36	1.44	936.49	0.55
5.8	0.36	1.48	968.24	0.55
5.9	0.37	1.51	1000.57	0.55
6.0	0.37	1.55	1033.48	0.55
6.1	2	100	20000	0.55

END FTABLE381

*** 54th Ln, swale, 0.26 acre area, only evaporation occur, storage of 1.10 acre ft is considered in outflow

FTABLE 394

52 5

0.0	0.26	0.00	0.00	14.5
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1.1	0.26	1.10	0.00	14.5
1.2	0.26	1.24	43.10	14.5
1.3	0.26	1.36	49.34	14.5
1.4	0.26	1.48	55.93	14.5
1.5	0.26	1.60	62.87	14.5
1.6	0.26	1.73	70.17	14.5
1.7	0.26	1.85	77.81	14.5
1.8	0.26	1.98	85.81	14.5
1.9	0.26	2.11	94.15	14.5
2.0	0.26	2.25	102.84	14.5
2.1	0.26	2.38	111.88	14.5
2.2	0.26	2.52	121.27	14.5
2.3	0.26	2.66	131.00	14.5
2.4	0.26	2.80	141.09	14.5
2.5	0.26	2.95	151.52	14.5
2.6	0.26	3.10	162.31	14.5
2.7	0.26	3.25	173.45	14.5
2.8	0.26	3.40	184.94	14.5
2.9	0.26	3.55	196.79	14.5
3.0	0.26	3.71	209.00	14.5
3.1	0.26	3.87	221.57	14.5
3.2	0.26	4.03	234.49	14.5
3.3	0.26	4.19	247.79	14.5
3.4	0.26	4.35	261.44	14.5
3.5	0.26	4.52	275.47	14.5
3.6	0.26	4.69	289.86	14.5
3.7	0.26	4.86	304.62	14.5
3.8	0.26	5.04	319.76	14.5
3.9	0.26	5.21	335.27	14.5
4.0	0.26	5.39	351.16	14.5
4.1	0.26	5.57	367.44	14.5
4.2	0.26	5.76	384.09	14.5
4.3	0.26	5.94	401.13	14.5

4.4	0.26	6.13	418.55	14.5
4.5	0.26	6.32	436.37	14.5
4.6	0.26	6.51	454.57	14.5
4.7	0.26	6.71	473.17	14.5
4.8	0.26	6.90	492.17	14.5
4.9	0.26	7.10	511.57	14.5
5.0	0.26	7.30	531.37	14.5
5.1	0.26	7.51	551.57	14.5
5.2	0.26	7.71	572.18	14.5
5.3	0.26	7.92	593.19	14.5
5.4	0.26	8.13	614.62	14.5
5.5	0.26	8.34	636.46	14.5
5.6	0.26	8.56	658.72	14.5
5.7	0.26	8.77	681.40	14.5
5.8	0.26	8.99	704.50	14.5
5.9	0.26	9.21	728.02	14.5
6.0	0.26	9.44	751.97	14.5
6.1	0.26	100	20000	14.5

END FTABLE394

FTABLE 393

62 5

0.0	0.17	0.00	0.00	1.1
0.1	0.18	0.02	0.40	1.1
0.2	0.18	0.04	1.25	1.1
0.3	0.19	0.05	2.46	1.1
0.4	0.19	0.07	3.97	1.1
0.5	0.20	0.09	5.76	1.1
0.6	0.20	0.11	7.80	1.1
0.7	0.20	0.13	10.09	1.1
0.8	0.21	0.15	12.61	1.1
0.9	0.21	0.17	15.35	1.1
1.0	0.22	0.20	18.32	1.1
1.1	0.22	0.22	21.50	1.1

1.2	0.23	0.24	24.89	1.1
1.3	0.23	0.26	28.48	1.1
1.4	0.23	0.29	32.29	1.1
1.5	0.24	0.31	36.30	1.1
1.6	0.24	0.33	40.51	1.1
1.7	0.25	0.36	44.93	1.1
1.8	0.25	0.38	49.54	1.1
1.9	0.26	0.41	54.36	1.1
2.0	0.26	0.44	59.38	1.1
2.1	0.27	0.46	64.59	1.1
2.2	0.27	0.49	70.01	1.1
2.3	0.27	0.52	75.63	1.1
2.4	0.28	0.54	81.46	1.1
2.5	0.28	0.57	87.48	1.1
2.6	0.29	0.60	93.71	1.1
2.7	0.29	0.63	100.14	1.1
2.8	0.30	0.66	106.78	1.1
2.9	0.30	0.69	113.62	1.1
3.0	0.30	0.72	120.67	1.1
3.1	0.31	0.75	127.92	1.1
3.2	0.31	0.78	135.39	1.1
3.3	0.32	0.81	143.06	1.1
3.4	0.32	0.84	150.94	1.1
3.5	0.33	0.88	159.04	1.1
3.6	0.33	0.91	167.35	1.1
3.7	0.34	0.94	175.87	1.1
3.8	0.34	0.98	184.61	1.1
3.9	0.34	1.01	193.57	1.1
4.0	0.35	1.04	202.74	1.1
4.1	0.35	1.08	212.14	1.1
4.2	0.36	1.11	221.75	1.1
4.3	0.36	1.15	231.59	1.1
4.4	0.37	1.19	241.65	1.1

4.5	0.37	1.22	251.94	1.1
4.6	0.37	1.26	262.45	1.1
4.7	0.38	1.30	273.19	1.1
4.8	0.38	1.34	284.16	1.1
4.9	0.39	1.38	295.35	1.1
5.0	0.39	1.41	306.78	1.1
5.1	0.40	1.45	318.45	1.1
5.2	0.40	1.49	330.35	1.1
5.3	0.40	1.53	342.48	1.1
5.4	0.41	1.57	354.85	1.1
5.5	0.41	1.62	367.46	1.1
5.6	0.42	1.66	380.31	1.1
5.7	0.42	1.70	393.41	1.1
5.8	0.43	1.74	406.74	1.1
5.9	0.43	1.78	420.32	1.1
6.0	0.44	1.83	434.15	1.1
6.1	2	100	20000	1.1

END FTABLE393

FTABLE 386

62 4

0.0	0.11	0.00	0.00
0.1	0.11	0.01	0.72
0.2	0.11	0.02	2.29
0.3	0.11	0.03	4.49
0.4	0.12	0.04	7.25
0.5	0.12	0.06	10.51
0.6	0.12	0.07	14.24
0.7	0.12	0.08	18.42
0.8	0.13	0.09	23.01
0.9	0.13	0.11	28.03
1.0	0.13	0.12	33.44
1.1	0.13	0.13	39.24
1.2	0.14	0.15	45.44

1.3	0.14	0.16	52.01
1.4	0.14	0.17	58.95
1.5	0.15	0.19	66.27
1.6	0.15	0.20	73.96
1.7	0.15	0.22	82.02
1.8	0.15	0.23	90.45
1.9	0.16	0.25	99.24
2.0	0.16	0.26	108.40
2.1	0.16	0.28	117.93
2.2	0.16	0.30	127.83
2.3	0.17	0.31	138.09
2.4	0.17	0.33	148.72
2.5	0.17	0.35	159.72
2.6	0.17	0.36	171.09
2.7	0.18	0.38	182.83
2.8	0.18	0.40	194.94
2.9	0.18	0.42	207.44
3.0	0.19	0.44	220.30
3.1	0.19	0.46	233.55
3.2	0.19	0.47	247.18
3.3	0.19	0.49	261.19
3.4	0.20	0.51	275.58
3.5	0.20	0.53	290.37
3.6	0.20	0.55	305.54
3.7	0.20	0.57	321.10
3.8	0.21	0.59	337.06
3.9	0.21	0.61	353.41
4.0	0.21	0.64	370.16
4.1	0.21	0.66	387.31
4.2	0.22	0.68	404.87
4.3	0.22	0.70	422.82
4.4	0.22	0.72	441.19
4.5	0.22	0.74	459.97

4.6	0.23	0.77	479.16
4.7	0.23	0.79	498.77
4.8	0.23	0.81	518.80
4.9	0.24	0.84	539.24
5.0	0.24	0.86	560.11
5.1	0.24	0.88	581.40
5.2	0.24	0.91	603.13
5.3	0.25	0.93	625.28
5.4	0.25	0.96	647.87
5.5	0.25	0.98	670.89
5.6	0.25	1.01	694.35
5.7	0.26	1.03	718.26
5.8	0.26	1.06	742.60
5.9	0.26	1.09	767.40
6.0	0.26	1.11	792.64
6.1	2	100	20000

END FTABLE386

FTABLE 379

62 5

0.0	0.18	0.00	0.00	0.88
0.1	0.19	0.02	0.40	0.88
0.2	0.19	0.04	1.25	0.88
0.3	0.20	0.06	2.46	0.88
0.4	0.20	0.08	3.97	0.88
0.5	0.21	0.10	5.76	0.88
0.6	0.21	0.12	7.80	0.88
0.7	0.22	0.14	10.09	0.88
0.8	0.22	0.16	12.61	0.88
0.9	0.23	0.19	15.35	0.88
1.0	0.23	0.21	18.32	0.88
1.1	0.24	0.23	21.50	0.88
1.2	0.24	0.26	24.89	0.88
1.3	0.24	0.28	28.48	0.88

1.4	0.25	0.30	32.29	0.88
1.5	0.25	0.33	36.30	0.88
1.6	0.26	0.35	40.51	0.88
1.7	0.26	0.38	44.93	0.88
1.8	0.27	0.41	49.54	0.88
1.9	0.27	0.43	54.36	0.88
2.0	0.28	0.46	59.38	0.88
2.1	0.28	0.49	64.59	0.88
2.2	0.29	0.52	70.01	0.88
2.3	0.29	0.55	75.63	0.88
2.4	0.30	0.58	81.46	0.88
2.5	0.30	0.61	87.48	0.88
2.6	0.31	0.64	93.71	0.88
2.7	0.31	0.67	100.14	0.88
2.8	0.31	0.70	106.78	0.88
2.9	0.32	0.73	113.62	0.88
3.0	0.32	0.76	120.67	0.88
3.1	0.33	0.80	127.92	0.88
3.2	0.33	0.83	135.39	0.88
3.3	0.34	0.86	143.06	0.88
3.4	0.34	0.90	150.94	0.88
3.5	0.35	0.93	159.04	0.88
3.6	0.35	0.96	167.35	0.88
3.7	0.36	1.00	175.87	0.88
3.8	0.36	1.04	184.61	0.88
3.9	0.37	1.07	193.57	0.88
4.0	0.37	1.11	202.74	0.88
4.1	0.37	1.15	212.14	0.88
4.2	0.38	1.18	221.75	0.88
4.3	0.38	1.22	231.59	0.88
4.4	0.39	1.26	241.65	0.88
4.5	0.39	1.30	251.94	0.88
4.6	0.40	1.34	262.45	0.88

4.7	0.40	1.38	273.19	0.88
4.8	0.41	1.42	284.16	0.88
4.9	0.41	1.46	295.35	0.88
5.0	0.42	1.50	306.78	0.88
5.1	0.42	1.54	318.45	0.88
5.2	0.43	1.59	330.35	0.88
5.3	0.43	1.63	342.48	0.88
5.4	0.43	1.67	354.85	0.88
5.5	0.44	1.72	367.46	0.88
5.6	0.44	1.76	380.31	0.88
5.7	0.45	1.80	393.41	0.88
5.8	0.45	1.85	406.74	0.88
5.9	0.46	1.90	420.32	0.88
6.0	0.46	1.94	434.15	0.88
6.1	2	100	20000	0.88

END FTABLE379

*** Radio Towers at Altamont, City of Spokane Ponds, 0.36 acre area, only evaporation occur, storage of 0.53 acre ft is considered in outflow

FTABLE 360

50 5

0.0	0.36	0.00	0.00	0.44
1.3	0.36	0.53	0.00	0.44
1.4	0.36	0.57	45.66	0.44
1.5	0.36	0.61	51.34	0.44
1.6	0.36	0.66	57.29	0.44
1.7	0.36	0.71	63.53	0.44
1.8	0.36	0.76	70.06	0.44
1.9	0.36	0.81	76.87	0.44
2.0	0.36	0.86	83.97	0.44
2.1	0.36	0.91	91.35	0.44
2.2	0.36	0.97	99.01	0.44
2.3	0.36	1.02	106.96	0.44
2.4	0.36	1.07	115.20	0.44

2.5	0.36	1.13	123.72	0.44
2.6	0.36	1.19	132.52	0.44
2.7	0.36	1.24	141.62	0.44
2.8	0.36	1.30	151.00	0.44
2.9	0.36	1.36	160.68	0.44
3.0	0.36	1.42	170.65	0.44
3.1	0.36	1.48	180.91	0.44
3.2	0.36	1.54	191.46	0.44
3.3	0.36	1.60	202.32	0.44
3.4	0.36	1.67	213.47	0.44
3.5	0.36	1.73	224.92	0.44
3.6	0.36	1.80	236.67	0.44
3.7	0.36	1.86	248.72	0.44
3.8	0.36	1.93	261.08	0.44
3.9	0.36	2.00	273.75	0.44
4.0	0.36	2.07	286.72	0.44
4.1	0.36	2.13	300.01	0.44
4.2	0.36	2.20	313.61	0.44
4.3	0.36	2.28	327.52	0.44
4.4	0.36	2.35	341.75	0.44
4.5	0.36	2.42	356.29	0.44
4.6	0.36	2.49	371.16	0.44
4.7	0.36	2.57	386.35	0.44
4.8	0.36	2.64	401.86	0.44
4.9	0.36	2.72	417.69	0.44
5.0	0.36	2.80	433.86	0.44
5.1	0.36	2.87	450.35	0.44
5.2	0.36	2.95	467.18	0.44
5.3	0.36	3.03	484.34	0.44
5.4	0.36	3.11	501.84	0.44
5.5	0.36	3.19	519.67	0.44
5.6	0.36	3.28	537.84	0.44
5.7	0.36	3.36	556.36	0.44

5.8	0.36	3.44	575.22	0.44
5.9	0.36	3.53	594.42	0.44
6.0	0.36	3.61	613.98	0.44
6.1	0.36	100	20000	0.44

END FTABLE360

FTABLE 348

62 5

0.0	0.28	0.00	0.00	0.11
0.1	0.29	0.03	0.58	0.11
0.2	0.29	0.06	1.85	0.11
0.3	0.30	0.09	3.62	0.11
0.4	0.31	0.12	5.85	0.11
0.5	0.31	0.15	8.48	0.11
0.6	0.32	0.18	11.48	0.11
0.7	0.33	0.21	14.85	0.11
0.8	0.34	0.25	18.56	0.11
0.9	0.34	0.28	22.60	0.11
1.0	0.35	0.31	26.96	0.11
1.1	0.36	0.35	31.64	0.11
1.2	0.36	0.39	36.63	0.11
1.3	0.37	0.42	41.93	0.11
1.4	0.38	0.46	47.53	0.11
1.5	0.38	0.50	53.43	0.11
1.6	0.39	0.54	59.63	0.11
1.7	0.40	0.58	66.13	0.11
1.8	0.40	0.62	72.92	0.11
1.9	0.41	0.66	80.01	0.11
2.0	0.42	0.70	87.40	0.11
2.1	0.43	0.74	95.08	0.11
2.2	0.43	0.78	103.06	0.11
2.3	0.44	0.83	111.33	0.11
2.4	0.45	0.87	119.90	0.11
2.5	0.45	0.92	128.77	0.11

2.6	0.46	0.96	137.93	0.11
2.7	0.47	1.01	147.40	0.11
2.8	0.47	1.06	157.17	0.11
2.9	0.48	1.10	167.24	0.11
3.0	0.49	1.15	177.61	0.11
3.1	0.50	1.20	188.29	0.11
3.2	0.50	1.25	199.28	0.11
3.3	0.51	1.30	210.58	0.11
3.4	0.52	1.35	222.18	0.11
3.5	0.52	1.40	234.10	0.11
3.6	0.53	1.46	246.33	0.11
3.7	0.54	1.51	258.88	0.11
3.8	0.54	1.56	271.74	0.11
3.9	0.55	1.62	284.93	0.11
4.0	0.56	1.68	298.43	0.11
4.1	0.57	1.73	312.26	0.11
4.2	0.57	1.79	326.41	0.11
4.3	0.58	1.85	340.89	0.11
4.4	0.59	1.90	355.70	0.11
4.5	0.59	1.96	370.84	0.11
4.6	0.60	2.02	386.31	0.11
4.7	0.61	2.08	402.12	0.11
4.8	0.61	2.14	418.27	0.11
4.9	0.62	2.21	434.75	0.11
5.0	0.63	2.27	451.57	0.11
5.1	0.64	2.33	468.74	0.11
5.2	0.64	2.40	486.26	0.11
5.3	0.65	2.46	504.12	0.11
5.4	0.66	2.53	522.33	0.11
5.5	0.66	2.59	540.89	0.11
5.6	0.67	2.66	559.81	0.11
5.7	0.68	2.73	579.08	0.11
5.8	0.68	2.79	598.71	0.11

5.9	0.69	2.86	618.70	0.11
6.0	0.70	2.93	639.05	0.11
6.1	2	100	20000	0.11

END FTABLE348

FTABLE 343

61 4

0.0	0.08	0.00	0.00
0.1	0.09	0.01	0.94
0.2	0.09	0.02	2.99
0.3	0.09	0.03	5.86
0.4	0.09	0.04	9.46
0.6	0.10	0.05	18.57
0.7	0.10	0.06	24.01
0.8	0.10	0.07	30.01
0.9	0.10	0.08	36.54
1.0	0.11	0.09	43.60
1.1	0.11	0.11	51.17
1.2	0.11	0.12	59.24
1.3	0.11	0.13	67.81
1.4	0.11	0.14	76.87
1.5	0.12	0.15	86.41
1.6	0.12	0.16	96.44
1.7	0.12	0.17	106.95
1.8	0.12	0.19	117.93
1.9	0.12	0.20	129.40
2.0	0.13	0.21	141.34
2.1	0.13	0.22	153.76
2.2	0.13	0.24	166.66
2.3	0.13	0.25	180.04
2.4	0.13	0.26	193.90
2.5	0.14	0.28	208.24
2.6	0.14	0.29	223.07
2.7	0.14	0.30	238.38

2.8	0.14	0.32	254.18
2.9	0.15	0.33	270.46
3.0	0.15	0.35	287.24
3.1	0.15	0.36	304.51
3.2	0.15	0.38	322.28
3.3	0.15	0.39	340.55
3.4	0.16	0.41	359.32
3.5	0.16	0.42	378.59
3.6	0.16	0.44	398.37
3.7	0.16	0.46	418.66
3.8	0.16	0.47	439.47
3.9	0.17	0.49	460.79
4.0	0.17	0.50	482.63
4.1	0.17	0.52	504.99
4.2	0.17	0.54	527.88
4.3	0.17	0.56	551.30
4.4	0.18	0.57	575.25
4.5	0.18	0.59	599.73
4.6	0.18	0.61	624.75
4.7	0.18	0.63	650.32
4.8	0.19	0.65	676.43
4.9	0.19	0.66	703.08
5.0	0.19	0.68	730.29
5.1	0.19	0.70	758.06
5.2	0.19	0.72	786.38
5.3	0.20	0.74	815.27
5.4	0.20	0.76	844.72
5.5	0.20	0.78	874.74
5.6	0.20	0.80	905.33
5.7	0.20	0.82	936.49
5.8	0.21	0.84	968.24
5.9	0.21	0.86	1000.57
6.0	0.21	0.88	1033.48

6.1 2 100 20000

END FTABLE343

*** Adirondack Ponds, City of Spokane Ponds, 0.31 acre area, only evaporation occur,
storage of 0.85 acre ft is considered in outflow

FTABLE 337

23 5

0.0	0.31	0.00	0.00	0.33
4.0	0.31	0.85	0.00	0.33
4.1	0.31	0.87	567.91	0.33
4.2	0.31	0.89	593.65	0.33
4.3	0.31	0.92	619.98	0.33
4.4	0.31	0.95	646.92	0.33
4.5	0.31	0.98	674.45	0.33
4.6	0.31	1.01	702.59	0.33
4.7	0.31	1.04	731.34	0.33
4.8	0.31	1.07	760.70	0.33
4.9	0.31	1.10	790.68	0.33
5.0	0.31	1.13	821.28	0.33
5.1	0.31	1.16	852.51	0.33
5.2	0.31	1.20	884.36	0.33
5.3	0.31	1.23	916.84	0.33
5.4	0.31	1.26	949.96	0.33
5.5	0.31	1.29	983.72	0.33
5.6	0.31	1.33	1018.12	0.33
5.7	0.31	1.36	1053.17	0.33
5.8	0.31	1.40	1088.87	0.33
5.9	0.31	1.43	1125.23	0.33
6.0	0.31	1.46	1162.24	0.33
6.1	0.31	100	20000	0.33

END FTABLE337

FTABLE 336

62 5

0.0	0.15	0.00	0.00	0.11
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0.1	0.15	0.01	0.72	0.11
0.2	0.15	0.03	2.29	0.11
0.3	0.16	0.05	4.49	0.11
0.4	0.16	0.06	7.25	0.11
0.5	0.16	0.08	10.51	0.11
0.6	0.17	0.09	14.24	0.11
0.7	0.17	0.11	18.42	0.11
0.8	0.17	0.13	23.01	0.11
0.9	0.18	0.15	28.03	0.11
1.0	0.18	0.16	33.44	0.11
1.1	0.19	0.18	39.24	0.11
1.2	0.19	0.20	45.44	0.11
1.3	0.19	0.22	52.01	0.11
1.4	0.20	0.24	58.95	0.11
1.5	0.20	0.26	66.27	0.11
1.6	0.20	0.28	73.96	0.11
1.7	0.21	0.30	82.02	0.11
1.8	0.21	0.32	90.45	0.11
1.9	0.21	0.34	99.24	0.11
2.0	0.22	0.36	108.40	0.11
2.1	0.22	0.39	117.93	0.11
2.2	0.23	0.41	127.83	0.11
2.3	0.23	0.43	138.09	0.11
2.4	0.23	0.45	148.72	0.11
2.5	0.24	0.48	159.72	0.11
2.6	0.24	0.50	171.09	0.11
2.7	0.24	0.52	182.83	0.11
2.8	0.25	0.55	194.94	0.11
2.9	0.25	0.57	207.44	0.11
3.0	0.25	0.60	220.30	0.11
3.1	0.26	0.63	233.55	0.11
3.2	0.26	0.65	247.18	0.11
3.3	0.27	0.68	261.19	0.11

3.4	0.27	0.70	275.58	0.11
3.5	0.27	0.73	290.37	0.11
3.6	0.28	0.76	305.54	0.11
3.7	0.28	0.79	321.10	0.11
3.8	0.28	0.81	337.06	0.11
3.9	0.29	0.84	353.41	0.11
4.0	0.29	0.87	370.16	0.11
4.1	0.29	0.90	387.31	0.11
4.2	0.30	0.93	404.87	0.11
4.3	0.30	0.96	422.82	0.11
4.4	0.31	0.99	441.19	0.11
4.5	0.31	1.02	459.97	0.11
4.6	0.31	1.05	479.16	0.11
4.7	0.32	1.08	498.77	0.11
4.8	0.32	1.12	518.80	0.11
4.9	0.32	1.15	539.24	0.11
5.0	0.33	1.18	560.11	0.11
5.1	0.33	1.21	581.40	0.11
5.2	0.33	1.25	603.13	0.11
5.3	0.34	1.28	625.28	0.11
5.4	0.34	1.31	647.87	0.11
5.5	0.35	1.35	670.89	0.11
5.6	0.35	1.38	694.35	0.11
5.7	0.35	1.42	718.26	0.11
5.8	0.36	1.45	742.60	0.11
5.9	0.36	1.49	767.40	0.11
6.0	0.36	1.53	792.64	0.11
6.1	2	100	20000	0.11

END FTABLE336

FTABLE 333

62 5

0.0	0.19	0.00	0.00	1.98
0.1	0.20	0.02	1.28	1.98

0.2	0.20	0.04	4.06	1.98
0.3	0.21	0.06	7.98	1.98
0.4	0.21	0.08	12.87	1.98
0.5	0.22	0.10	18.66	1.98
0.6	0.22	0.12	25.28	1.98
0.7	0.23	0.15	32.68	1.98
0.8	0.23	0.17	40.85	1.98
0.9	0.24	0.19	49.74	1.98
1.0	0.24	0.22	59.35	1.98
1.1	0.25	0.24	69.65	1.98
1.2	0.25	0.27	80.64	1.98
1.3	0.26	0.29	92.30	1.98
1.4	0.26	0.32	104.63	1.98
1.5	0.27	0.34	117.62	1.98
1.6	0.27	0.37	131.27	1.98
1.7	0.28	0.40	145.58	1.98
1.8	0.28	0.43	160.53	1.98
1.9	0.29	0.46	176.14	1.98
2.0	0.29	0.48	192.40	1.98
2.1	0.30	0.51	209.31	1.98
2.2	0.30	0.54	226.87	1.98
2.3	0.30	0.57	245.08	1.98
2.4	0.31	0.60	263.95	1.98
2.5	0.31	0.64	283.47	1.98
2.6	0.32	0.67	303.65	1.98
2.7	0.32	0.70	324.49	1.98
2.8	0.33	0.73	345.99	1.98
2.9	0.33	0.76	368.16	1.98
3.0	0.34	0.80	391.00	1.98
3.1	0.34	0.83	414.51	1.98
3.2	0.35	0.87	438.70	1.98
3.3	0.35	0.90	463.56	1.98
3.4	0.36	0.94	489.11	1.98

3.5	0.36	0.97	515.35	1.98
3.6	0.37	1.01	542.28	1.98
3.7	0.37	1.05	569.90	1.98
3.8	0.38	1.08	598.22	1.98
3.9	0.38	1.12	627.24	1.98
4.0	0.39	1.16	656.97	1.98
4.1	0.39	1.20	687.41	1.98
4.2	0.40	1.24	718.56	1.98
4.3	0.40	1.28	750.44	1.98
4.4	0.41	1.32	783.04	1.98
4.5	0.41	1.36	816.37	1.98
4.6	0.42	1.40	850.43	1.98
4.7	0.42	1.44	885.23	1.98
4.8	0.43	1.49	920.77	1.98
4.9	0.43	1.53	957.06	1.98
5.0	0.44	1.57	994.10	1.98
5.1	0.44	1.62	1031.89	1.98
5.2	0.45	1.66	1070.44	1.98
5.3	0.45	1.71	1109.76	1.98
5.4	0.45	1.75	1149.85	1.98
5.5	0.46	1.80	1190.72	1.98
5.6	0.46	1.84	1232.36	1.98
5.7	0.47	1.89	1274.78	1.98
5.8	0.47	1.94	1317.99	1.98
5.9	0.48	1.98	1362.00	1.98
6.0	0.48	2.03	1406.80	1.98
6.1	2	100	20000	1.98

END FTABLE333

***** Hazel's Creek, City of Spokane Ponds, 1.63 acre area, both evaporation and infiltration occur, storage of 6.30 acre ft is considered in outflow**

***** 1.1 in/hr of infiltration was added to 0.22 inches/hr of drywell draining capacity**

FTABLE 327

0.0	1.63	0.00	0.00	1.32
6.0	1.63	6.30	0.00	1.32
6.1	1.63	100	20000	1.32

END FTABLE327

*** 37th & Rebecca, City of Spokane Ponds, 0.81 acre area, both evaporation and infiltration occur, storage of 2.61 acre ft is considered in outflow

*** 1.0 in/hr of infiltration was added to 1.1 inches/hr of drywell draining capacity

FTABLE 312

9 5

0.0	0.81	0.00	0.00	2.1
5.4	0.81	2.61	0.00	2.1
5.5	0.81	2.67	581.01	2.1
5.6	0.81	2.74	601.33	2.1
5.7	0.81	2.81	622.03	2.1
5.8	0.81	2.88	643.11	2.1
5.9	0.81	2.95	664.59	2.1
6.0	0.81	3.02	686.45	2.1
6.1	0.81	100	20000	2.1

END FTABLE312

FTABLE 308

62 5

0.0	0.12	0.00	0.00	1.65
0.1	0.12	0.01	0.81	1.65
0.2	0.12	0.02	2.56	1.65
0.3	0.13	0.04	5.02	1.65
0.4	0.13	0.05	8.11	1.65
0.5	0.13	0.06	11.75	1.65
0.6	0.14	0.08	15.92	1.65
0.7	0.14	0.09	20.59	1.65
0.8	0.14	0.10	25.73	1.65
0.9	0.15	0.12	31.33	1.65
1.0	0.15	0.13	37.39	1.65
1.1	0.15	0.15	43.88	1.65

1.2	0.15	0.16	50.80	1.65
1.3	0.16	0.18	58.14	1.65
1.4	0.16	0.20	65.91	1.65
1.5	0.16	0.21	74.10	1.65
1.6	0.17	0.23	82.69	1.65
1.7	0.17	0.25	91.70	1.65
1.8	0.17	0.26	101.13	1.65
1.9	0.18	0.28	110.96	1.65
2.0	0.18	0.30	121.20	1.65
2.1	0.18	0.32	131.85	1.65
2.2	0.18	0.33	142.91	1.65
2.3	0.19	0.35	154.39	1.65
2.4	0.19	0.37	166.27	1.65
2.5	0.19	0.39	178.57	1.65
2.6	0.20	0.41	191.28	1.65
2.7	0.20	0.43	204.41	1.65
2.8	0.20	0.45	217.96	1.65
2.9	0.21	0.47	231.92	1.65
3.0	0.21	0.49	246.31	1.65
3.1	0.21	0.51	261.12	1.65
3.2	0.21	0.53	276.35	1.65
3.3	0.22	0.55	292.02	1.65
3.4	0.22	0.58	308.11	1.65
3.5	0.22	0.60	324.64	1.65
3.6	0.23	0.62	341.60	1.65
3.7	0.23	0.64	359.00	1.65
3.8	0.23	0.67	376.84	1.65
3.9	0.24	0.69	395.12	1.65
4.0	0.24	0.71	413.85	1.65
4.1	0.24	0.74	433.03	1.65
4.2	0.24	0.76	452.65	1.65
4.3	0.25	0.79	472.73	1.65
4.4	0.25	0.81	493.27	1.65

4.5	0.25	0.84	514.26	1.65
4.6	0.26	0.86	535.72	1.65
4.7	0.26	0.89	557.64	1.65
4.8	0.26	0.91	580.03	1.65
4.9	0.26	0.94	602.89	1.65
5.0	0.27	0.97	626.22	1.65
5.1	0.27	0.99	650.03	1.65
5.2	0.27	1.02	674.32	1.65
5.3	0.28	1.05	699.09	1.65
5.4	0.28	1.08	724.34	1.65
5.5	0.28	1.10	750.08	1.65
5.6	0.29	1.13	776.31	1.65
5.7	0.29	1.16	803.04	1.65
5.8	0.29	1.19	830.26	1.65
5.9	0.29	1.22	857.98	1.65
6.0	0.30	1.25	886.20	1.65
6.1	2	100	20000	1.65

END FTABLE308

FTABLE 309

43 4

0.0	0.04	0.00	0.00
0.2	0.04	0.01	1.98
0.4	0.04	0.02	6.28
0.6	0.04	0.03	12.33
0.9	0.05	0.04	24.27
1.1	0.05	0.05	33.99
1.3	0.05	0.06	45.04
1.5	0.05	0.07	57.39
1.7	0.06	0.08	71.03
1.8	0.06	0.09	78.33
2.0	0.06	0.10	93.88
2.2	0.06	0.11	110.70
2.3	0.06	0.12	119.59

2.5	0.06	0.13	138.32
2.7	0.07	0.14	158.33
2.8	0.07	0.15	168.83
3.0	0.07	0.16	190.79
3.1	0.07	0.17	202.26
3.3	0.07	0.18	226.20
3.4	0.07	0.19	238.66
3.5	0.07	0.20	251.46
3.7	0.08	0.21	278.08
3.8	0.08	0.22	291.90
3.9	0.08	0.23	306.06
4.1	0.08	0.24	335.42
4.2	0.08	0.25	350.62
4.3	0.08	0.26	366.18
4.4	0.08	0.27	382.08
4.6	0.08	0.28	414.97
4.7	0.08	0.29	431.95
4.8	0.09	0.30	449.29
4.9	0.09	0.31	467.00
5.0	0.09	0.32	485.07
5.1	0.09	0.33	503.51
5.3	0.09	0.34	541.51
5.4	0.09	0.35	561.07
5.5	0.09	0.36	581.01
5.6	0.09	0.37	601.33
5.7	0.09	0.38	622.03
5.8	0.10	0.39	643.11
5.9	0.10	0.40	664.59
6.0	0.10	0.41	686.45
6.1	2	100	20000

END FTABLE309

FTABLE 306

0.0	0.10	0.00	0.00	0.66
0.1	0.11	0.01	0.67	0.66
0.2	0.11	0.02	2.11	0.66
0.3	0.11	0.03	4.14	0.66
0.4	0.11	0.04	6.69	0.66
0.5	0.12	0.06	9.69	0.66
0.6	0.12	0.07	13.13	0.66
0.7	0.12	0.08	16.98	0.66
0.8	0.12	0.09	21.22	0.66
0.9	0.13	0.10	25.84	0.66
1.0	0.13	0.12	30.83	0.66
1.1	0.13	0.13	36.18	0.66
1.2	0.14	0.14	41.89	0.66
1.3	0.14	0.16	47.95	0.66
1.4	0.14	0.17	54.35	0.66
1.5	0.14	0.19	61.10	0.66
1.6	0.15	0.20	68.19	0.66
1.7	0.15	0.21	75.62	0.66
1.8	0.15	0.23	83.39	0.66
1.9	0.15	0.24	91.50	0.66
2.0	0.16	0.26	99.94	0.66
2.1	0.16	0.28	108.73	0.66
2.2	0.16	0.29	117.85	0.66
2.3	0.16	0.31	127.31	0.66
2.4	0.17	0.32	137.11	0.66
2.5	0.17	0.34	147.25	0.66
2.6	0.17	0.36	157.73	0.66
2.7	0.17	0.38	168.56	0.66
2.8	0.18	0.39	179.73	0.66
2.9	0.18	0.41	191.25	0.66
3.0	0.18	0.43	203.11	0.66
3.1	0.18	0.45	215.32	0.66
3.2	0.19	0.47	227.89	0.66

3.3	0.19	0.48	240.80	0.66
3.4	0.19	0.50	254.08	0.66
3.5	0.19	0.52	267.70	0.66
3.6	0.20	0.54	281.69	0.66
3.7	0.20	0.56	296.04	0.66
3.8	0.20	0.58	310.75	0.66
3.9	0.21	0.60	325.83	0.66
4.0	0.21	0.62	341.27	0.66
4.1	0.21	0.64	357.08	0.66
4.2	0.21	0.67	373.27	0.66
4.3	0.22	0.69	389.83	0.66
4.4	0.22	0.71	406.76	0.66
4.5	0.22	0.73	424.07	0.66
4.6	0.22	0.75	441.77	0.66
4.7	0.23	0.78	459.84	0.66
4.8	0.23	0.80	478.31	0.66
4.9	0.23	0.82	497.16	0.66
5.0	0.23	0.84	516.40	0.66
5.1	0.24	0.87	536.03	0.66
5.2	0.24	0.89	556.06	0.66
5.3	0.24	0.92	576.48	0.66
5.4	0.24	0.94	597.31	0.66
5.5	0.25	0.96	618.53	0.66
5.6	0.25	0.99	640.16	0.66
5.7	0.25	1.01	662.20	0.66
5.8	0.25	1.04	684.65	0.66
5.9	0.26	1.07	707.51	0.66
6.0	0.26	1.09	730.78	0.66
6.1	2	100	20000	0.66

END FTABLE306

FTABLE 305

62 5

0.0	0.21	0.00	0.00	2.31
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0.1	0.21	0.02	0.60	2.31
0.2	0.22	0.04	1.92	2.31
0.3	0.23	0.07	3.76	2.31
0.4	0.23	0.09	6.07	2.31
0.5	0.24	0.11	8.80	2.31
0.6	0.24	0.14	11.92	2.31
0.7	0.25	0.16	15.41	2.31
0.8	0.25	0.18	19.26	2.31
0.9	0.26	0.21	23.45	2.31
1.0	0.26	0.24	27.98	2.31
1.1	0.27	0.26	32.83	2.31
1.2	0.27	0.29	38.01	2.31
1.3	0.28	0.32	43.51	2.31
1.4	0.28	0.34	49.32	2.31
1.5	0.29	0.37	55.45	2.31
1.6	0.29	0.40	61.88	2.31
1.7	0.30	0.43	68.63	2.31
1.8	0.30	0.46	75.68	2.31
1.9	0.31	0.49	83.03	2.31
2.0	0.31	0.52	90.70	2.31
2.1	0.32	0.56	98.67	2.31
2.2	0.32	0.59	106.95	2.31
2.3	0.33	0.62	115.53	2.31
2.4	0.34	0.65	124.43	2.31
2.5	0.34	0.69	133.63	2.31
2.6	0.35	0.72	143.14	2.31
2.7	0.35	0.76	152.97	2.31
2.8	0.36	0.79	163.10	2.31
2.9	0.36	0.83	173.55	2.31
3.0	0.37	0.86	184.32	2.31
3.1	0.37	0.90	195.40	2.31
3.2	0.38	0.94	206.80	2.31
3.3	0.38	0.98	218.53	2.31

3.4	0.39	1.02	230.57	2.31
3.5	0.39	1.05	242.94	2.31
3.6	0.40	1.09	255.63	2.31
3.7	0.40	1.13	268.65	2.31
3.8	0.41	1.18	282.00	2.31
3.9	0.41	1.22	295.68	2.31
4.0	0.42	1.26	309.70	2.31
4.1	0.42	1.30	324.05	2.31
4.2	0.43	1.34	338.73	2.31
4.3	0.44	1.39	353.76	2.31
4.4	0.44	1.43	369.13	2.31
4.5	0.45	1.47	384.84	2.31
4.6	0.45	1.52	400.90	2.31
4.7	0.46	1.56	417.30	2.31
4.8	0.46	1.61	434.06	2.31
4.9	0.47	1.66	451.16	2.31
5.0	0.47	1.70	468.62	2.31
5.1	0.48	1.75	486.44	2.31
5.2	0.48	1.80	504.61	2.31
5.3	0.49	1.85	523.15	2.31
5.4	0.49	1.90	542.05	2.31
5.5	0.50	1.95	561.31	2.31
5.6	0.50	2.00	580.94	2.31
5.7	0.51	2.05	600.94	2.31
5.8	0.51	2.10	621.31	2.31
5.9	0.52	2.15	642.05	2.31
6.0	0.52	2.20	663.17	2.31
6.1	2	100	20000	2.31

END FTABLE305

FTABLE 285

62 5

0.0	0.58	0.00	0.00	2.64
0.1	0.59	0.06	1.20	2.64

0.2	0.61	0.12	3.80	2.64
0.3	0.62	0.18	7.45	2.64
0.4	0.63	0.24	12.03	2.64
0.5	0.65	0.31	17.43	2.64
0.6	0.66	0.37	23.62	2.64
0.7	0.68	0.44	30.54	2.64
0.8	0.69	0.51	38.17	2.64
0.9	0.71	0.58	46.48	2.64
1.0	0.72	0.65	55.45	2.64
1.1	0.74	0.72	65.08	2.64
1.2	0.75	0.80	75.35	2.64
1.3	0.76	0.87	86.24	2.64
1.4	0.78	0.95	97.76	2.64
1.5	0.79	1.03	109.90	2.64
1.6	0.81	1.11	122.66	2.64
1.7	0.82	1.19	136.02	2.64
1.8	0.84	1.27	149.99	2.64
1.9	0.85	1.36	164.58	2.64
2.0	0.87	1.44	179.77	2.64
2.1	0.88	1.53	195.57	2.64
2.2	0.89	1.62	211.97	2.64
2.3	0.91	1.71	228.99	2.64
2.4	0.92	1.80	246.62	2.64
2.5	0.94	1.89	264.86	2.64
2.6	0.95	1.99	283.72	2.64
2.7	0.97	2.08	303.19	2.64
2.8	0.98	2.18	323.28	2.64
2.9	0.99	2.28	343.99	2.64
3.0	1.01	2.38	365.33	2.64
3.1	1.02	2.48	387.30	2.64
3.2	1.04	2.58	409.90	2.64
3.3	1.05	2.69	433.13	2.64
3.4	1.07	2.79	457.00	2.64

3.5	1.08	2.90	481.52	2.64
3.6	1.10	3.01	506.68	2.64
3.7	1.11	3.12	532.48	2.64
3.8	1.12	3.23	558.95	2.64
3.9	1.14	3.35	586.06	2.64
4.0	1.15	3.46	613.84	2.64
4.1	1.17	3.58	642.28	2.64
4.2	1.18	3.69	671.39	2.64
4.3	1.20	3.81	701.18	2.64
4.4	1.21	3.93	731.64	2.64
4.5	1.23	4.06	762.78	2.64
4.6	1.24	4.18	794.60	2.64
4.7	1.25	4.30	827.12	2.64
4.8	1.27	4.43	860.32	2.64
4.9	1.28	4.56	894.23	2.64
5.0	1.30	4.69	928.84	2.64
5.1	1.31	4.82	964.15	2.64
5.2	1.33	4.95	1000.17	2.64
5.3	1.34	5.08	1036.91	2.64
5.4	1.36	5.22	1074.37	2.64
5.5	1.37	5.35	1112.55	2.64
5.6	1.38	5.49	1151.46	2.64
5.7	1.40	5.63	1191.10	2.64
5.8	1.41	5.77	1231.47	2.64
5.9	1.43	5.91	1272.59	2.64
6.0	1.44	6.06	1314.45	2.64
6.1	2	100	20000	2.64

END FTABLE285

FTABLE 284

47 4

0.0	0.04	0.00	0.00
0.2	0.05	0.01	1.85
0.4	0.05	0.02	5.85

0.6	0.05	0.03	11.48
0.8	0.05	0.04	18.56
1.0	0.05	0.05	26.96
1.2	0.06	0.06	36.63
1.3	0.06	0.07	41.93
1.5	0.06	0.08	53.43
1.7	0.06	0.09	66.13
1.8	0.06	0.10	72.92
2.0	0.07	0.11	87.40
2.1	0.07	0.12	95.08
2.3	0.07	0.13	111.33
2.4	0.07	0.14	119.90
2.6	0.07	0.15	137.93
2.7	0.07	0.16	147.40
2.9	0.08	0.17	167.24
3.0	0.08	0.18	177.61
3.1	0.08	0.19	188.29
3.3	0.08	0.20	210.58
3.4	0.08	0.21	222.18
3.5	0.08	0.22	234.10
3.6	0.08	0.23	246.33
3.7	0.08	0.24	258.88
3.9	0.09	0.25	284.93
4.0	0.09	0.26	298.43
4.1	0.09	0.27	312.26
4.2	0.09	0.28	326.41
4.3	0.09	0.29	340.89
4.4	0.09	0.30	355.70
4.5	0.09	0.31	370.84
4.6	0.09	0.32	386.31
4.8	0.10	0.33	418.27
4.9	0.10	0.34	434.75
5.0	0.10	0.35	451.57

5.1	0.10	0.36	468.74
5.2	0.10	0.37	486.26
5.3	0.10	0.38	504.12
5.4	0.10	0.39	522.33
5.5	0.10	0.40	540.89
5.6	0.10	0.41	559.81
5.7	0.11	0.42	579.08
5.8	0.11	0.44	598.71
5.9	0.11	0.45	618.70
6.0	0.11	0.46	639.05
6.1	2	100	20000

END FTABLE284

FTABLE 282

62 4

0.0	0.10	0.00	0.00
0.1	0.10	0.01	1.20
0.2	0.10	0.02	3.80
0.3	0.10	0.03	7.45
0.4	0.10	0.04	12.03
0.5	0.11	0.05	17.43
0.6	0.11	0.06	23.62
0.7	0.11	0.07	30.54
0.8	0.11	0.08	38.17
0.9	0.12	0.10	46.48
1.0	0.12	0.11	55.45
1.1	0.12	0.12	65.08
1.2	0.12	0.13	75.35
1.3	0.13	0.14	86.24
1.4	0.13	0.16	97.76
1.5	0.13	0.17	109.90
1.6	0.13	0.18	122.66
1.7	0.14	0.20	136.02
1.8	0.14	0.21	149.99

1.9	0.14	0.22	164.58
2.0	0.14	0.24	179.77
2.1	0.14	0.25	195.57
2.2	0.15	0.27	211.97
2.3	0.15	0.28	228.99
2.4	0.15	0.30	246.62
2.5	0.15	0.31	264.86
2.6	0.16	0.33	283.72
2.7	0.16	0.34	303.19
2.8	0.16	0.36	323.28
2.9	0.16	0.38	343.99
3.0	0.17	0.39	365.33
3.1	0.17	0.41	387.30
3.2	0.17	0.43	409.90
3.3	0.17	0.44	433.13
3.4	0.18	0.46	457.00
3.5	0.18	0.48	481.52
3.6	0.18	0.50	506.68
3.7	0.18	0.51	532.48
3.8	0.19	0.53	558.95
3.9	0.19	0.55	586.06
4.0	0.19	0.57	613.84
4.1	0.19	0.59	642.28
4.2	0.19	0.61	671.39
4.3	0.20	0.63	701.18
4.4	0.20	0.65	731.64
4.5	0.20	0.67	762.78
4.6	0.20	0.69	794.60
4.7	0.21	0.71	827.12
4.8	0.21	0.73	860.32
4.9	0.21	0.75	894.23
5.0	0.21	0.77	928.84
5.1	0.22	0.79	964.15

5.2	0.22	0.82	1000.17
5.3	0.22	0.84	1036.91
5.4	0.22	0.86	1074.37
5.5	0.23	0.88	1112.55
5.6	0.23	0.90	1151.46
5.7	0.23	0.93	1191.10
5.8	0.23	0.95	1231.47
5.9	0.24	0.97	1272.59
6.0	0.24	1.00	1314.45
6.1	2	100	20000

END FTABLE282

FTABLE 281

28 4

0.0	0.03	0.00	0.00
0.2	0.03	0.01	0.16
0.6	0.03	0.02	1.01
0.9	0.03	0.03	1.98
1.3	0.03	0.04	3.68
1.6	0.04	0.05	5.23
1.8	0.04	0.06	6.40
2.1	0.04	0.07	8.34
2.4	0.04	0.08	10.52
2.6	0.04	0.09	12.10
2.9	0.04	0.10	14.67
3.1	0.04	0.11	16.51
3.3	0.05	0.12	18.47
3.5	0.05	0.13	20.53
3.7	0.05	0.14	22.71
3.9	0.05	0.15	24.99
4.1	0.05	0.16	27.39
4.3	0.05	0.17	29.90
4.5	0.05	0.18	32.52
4.7	0.05	0.19	35.27

4.9	0.06	0.20	38.13
5.1	0.06	0.21	41.11
5.3	0.06	0.22	44.21
5.4	0.06	0.23	45.81
5.6	0.06	0.24	49.10
5.8	0.06	0.25	52.51
5.9	0.06	0.26	54.26
6.1	2	100	20000

END FTABLE281

FTABLE 263

62 4

0.0	0.53	0.00	0.00
0.1	0.54	0.05	0.58
0.2	0.55	0.11	1.85
0.3	0.57	0.16	3.62
0.4	0.58	0.22	5.85
0.5	0.59	0.28	8.48
0.6	0.61	0.34	11.48
0.7	0.62	0.40	14.85
0.8	0.63	0.46	18.56
0.9	0.64	0.53	22.60
1.0	0.66	0.59	26.96
1.1	0.67	0.66	31.64
1.2	0.68	0.73	36.63
1.3	0.70	0.80	41.93
1.4	0.71	0.87	47.53
1.5	0.72	0.94	53.43
1.6	0.74	1.01	59.63
1.7	0.75	1.09	66.13
1.8	0.76	1.16	72.92
1.9	0.78	1.24	80.01
2.0	0.79	1.32	87.40
2.1	0.80	1.40	95.08

2.2	0.82	1.48	103.06
2.3	0.83	1.56	111.33
2.4	0.84	1.64	119.90
2.5	0.86	1.73	128.77
2.6	0.87	1.81	137.93
2.7	0.88	1.90	147.40
2.8	0.90	1.99	157.17
2.9	0.91	2.08	167.24
3.0	0.92	2.17	177.61
3.1	0.93	2.26	188.29
3.2	0.95	2.36	199.28
3.3	0.96	2.45	210.58
3.4	0.97	2.55	222.18
3.5	0.99	2.65	234.10
3.6	1.00	2.75	246.33
3.7	1.01	2.85	258.88
3.8	1.03	2.95	271.74
3.9	1.04	3.05	284.93
4.0	1.05	3.16	298.43
4.1	1.07	3.26	312.26
4.2	1.08	3.37	326.41
4.3	1.09	3.48	340.89
4.4	1.11	3.59	355.70
4.5	1.12	3.70	370.84
4.6	1.13	3.81	386.31
4.7	1.15	3.93	402.12
4.8	1.16	4.04	418.27
4.9	1.17	4.16	434.75
5.0	1.18	4.28	451.57
5.1	1.20	4.40	468.74
5.2	1.21	4.52	486.26
5.3	1.22	4.64	504.12
5.4	1.24	4.76	522.33

5.5	1.25	4.89	540.89
5.6	1.26	5.01	559.81
5.7	1.28	5.14	579.08
5.8	1.29	5.27	598.71
5.9	1.30	5.40	618.70
6.0	1.32	5.53	639.05
6.1	2	100	20000

END FTABLE263

FTABLE 244

62 5

0.0	0.78	0.00	0.00	1.1
0.1	0.80	0.08	1.93	1.1
0.2	0.82	0.16	6.10	1.1
0.3	0.84	0.24	11.98	1.1
0.4	0.86	0.33	19.32	1.1
0.5	0.88	0.42	28.01	1.1
0.6	0.90	0.51	37.95	1.1
0.7	0.92	0.60	49.07	1.1
0.8	0.94	0.69	61.33	1.1
0.9	0.96	0.79	74.68	1.1
1.0	0.98	0.88	89.10	1.1
1.1	1.00	0.98	104.57	1.1
1.2	1.02	1.08	121.07	1.1
1.3	1.04	1.18	138.57	1.1
1.4	1.06	1.29	157.09	1.1
1.5	1.08	1.40	176.59	1.1
1.6	1.10	1.51	197.08	1.1
1.7	1.12	1.62	218.56	1.1
1.8	1.14	1.73	241.01	1.1
1.9	1.16	1.84	264.44	1.1
2.0	1.18	1.96	288.85	1.1
2.1	1.20	2.08	314.24	1.1
2.2	1.22	2.20	340.60	1.1

2.3	1.23	2.32	367.94	1.1
2.4	1.25	2.45	396.27	1.1
2.5	1.27	2.57	425.58	1.1
2.6	1.29	2.70	455.87	1.1
2.7	1.31	2.83	487.16	1.1
2.8	1.33	2.96	519.45	1.1
2.9	1.35	3.10	552.73	1.1
3.0	1.37	3.23	587.02	1.1
3.1	1.39	3.37	622.32	1.1
3.2	1.41	3.51	658.63	1.1
3.3	1.43	3.65	695.96	1.1
3.4	1.45	3.80	734.32	1.1
3.5	1.47	3.95	773.71	1.1
3.6	1.49	4.09	814.13	1.1
3.7	1.51	4.24	855.60	1.1
3.8	1.53	4.39	898.12	1.1
3.9	1.55	4.55	941.69	1.1
4.0	1.57	4.70	986.32	1.1
4.1	1.59	4.86	1032.02	1.1
4.2	1.61	5.02	1078.80	1.1
4.3	1.63	5.18	1126.65	1.1
4.4	1.65	5.35	1175.59	1.1
4.5	1.67	5.51	1225.63	1.1
4.6	1.69	5.68	1276.77	1.1
4.7	1.71	5.85	1329.01	1.1
4.8	1.73	6.02	1382.37	1.1
4.9	1.74	6.20	1436.85	1.1
5.0	1.76	6.37	1492.46	1.1
5.1	1.78	6.55	1549.20	1.1
5.2	1.80	6.73	1607.08	1.1
5.3	1.82	6.91	1666.11	1.1
5.4	1.84	7.09	1726.30	1.1
5.5	1.86	7.28	1787.65	1.1

5.6	1.88	7.46	1850.16	1.1
5.7	1.90	7.65	1913.86	1.1
5.8	1.92	7.84	1978.73	1.1
5.9	1.94	8.04	2044.80	1.1
6.0	1.96	8.23	2112.06	1.1
6.1	2	100	20000	1.1

END FTABLE244

*** Carnahan swale, 1.32 acre-ft, only evaporation occurs, storage of 12.22 acre ft is considered in outflow

FTABLE 218

3 5

0.0	1.32	0.00	0.00	0.44
6.0	1.32	12.22	0.00	0.44
6.1	1.32	100	20000	0.44

END FTABLE218

FTABLE 215

18 4

0.0	0.01	0.00	0.00
0.4	0.02	0.01	0.51
1.0	0.02	0.02	2.36
1.5	0.02	0.03	4.69
2.0	0.02	0.04	7.67
2.4	0.02	0.05	10.52
2.8	0.03	0.06	13.78
3.2	0.03	0.07	17.48
3.6	0.03	0.08	21.60
3.9	0.03	0.09	24.99
4.3	0.03	0.10	29.90
4.6	0.03	0.11	33.88
4.9	0.03	0.12	38.13
5.2	0.03	0.13	42.65
5.5	0.04	0.14	47.44

5.8	0.04	0.15	52.51
6.0	0.04	0.16	56.05
6.1	2	100	20000

END FTABLE215

FTABLE 214

46 5

0.0	0.04	0.00	0.00	0.22
0.2	0.04	0.01	0.16	0.22
0.4	0.05	0.02	0.51	0.22
0.6	0.05	0.03	1.01	0.22
0.8	0.05	0.04	1.63	0.22
1.0	0.05	0.05	2.36	0.22
1.2	0.06	0.06	3.21	0.22
1.4	0.06	0.07	4.17	0.22
1.5	0.06	0.08	4.69	0.22
1.7	0.06	0.09	5.80	0.22
1.9	0.06	0.10	7.02	0.22
2.0	0.06	0.11	7.67	0.22
2.2	0.07	0.12	9.04	0.22
2.3	0.07	0.13	9.76	0.22
2.5	0.07	0.14	11.29	0.22
2.6	0.07	0.15	12.10	0.22
2.8	0.07	0.16	13.78	0.22
2.9	0.07	0.17	14.67	0.22
3.1	0.08	0.18	16.51	0.22
3.2	0.08	0.19	17.48	0.22
3.3	0.08	0.20	18.47	0.22
3.4	0.08	0.21	19.49	0.22
3.6	0.08	0.22	21.60	0.22
3.7	0.08	0.23	22.71	0.22
3.8	0.08	0.24	23.83	0.22
3.9	0.08	0.25	24.99	0.22
4.1	0.09	0.26	27.39	0.22

4.2	0.09	0.27	28.63	0.22
4.3	0.09	0.28	29.90	0.22
4.4	0.09	0.29	31.20	0.22
4.5	0.09	0.30	32.52	0.22
4.6	0.09	0.31	33.88	0.22
4.7	0.09	0.32	35.27	0.22
4.8	0.09	0.33	36.68	0.22
4.9	0.09	0.34	38.13	0.22
5.1	0.10	0.35	41.11	0.22
5.2	0.10	0.36	42.65	0.22
5.3	0.10	0.37	44.21	0.22
5.4	0.10	0.38	45.81	0.22
5.5	0.10	0.39	47.44	0.22
5.6	0.10	0.40	49.10	0.22
5.7	0.10	0.41	50.79	0.22
5.8	0.10	0.42	52.51	0.22
5.9	0.10	0.43	54.26	0.22
6.0	0.11	0.45	56.05	0.22
6.1	2	100	20000	0.22

END FTABLE214

FTABLE 421

62 5

0.0	0.09	0.00	0.00	0.77
0.1	0.09	0.01	0.54	0.77
0.2	0.09	0.02	1.70	0.77
0.3	0.09	0.03	3.33	0.77
0.4	0.09	0.04	5.38	0.77
0.5	0.10	0.05	7.80	0.77
0.6	0.10	0.06	10.56	0.77
0.7	0.10	0.07	13.66	0.77
0.8	0.10	0.08	17.07	0.77
0.9	0.10	0.09	20.79	0.77
1.0	0.11	0.10	24.80	0.77

1.1	0.11	0.11	29.10	0.77
1.2	0.11	0.12	33.70	0.77
1.3	0.11	0.13	38.57	0.77
1.4	0.12	0.14	43.72	0.77
1.5	0.12	0.15	49.15	0.77
1.6	0.12	0.16	54.85	0.77
1.7	0.12	0.18	60.83	0.77
1.8	0.12	0.19	67.08	0.77
1.9	0.13	0.20	73.60	0.77
2.0	0.13	0.21	80.39	0.77
2.1	0.13	0.23	87.46	0.77
2.2	0.13	0.24	94.80	0.77
2.3	0.13	0.25	102.41	0.77
2.4	0.14	0.27	110.29	0.77
2.5	0.14	0.28	118.45	0.77
2.6	0.14	0.29	126.88	0.77
2.7	0.14	0.31	135.59	0.77
2.8	0.15	0.32	144.58	0.77
2.9	0.15	0.34	153.84	0.77
3.0	0.15	0.35	163.38	0.77
3.1	0.15	0.37	173.21	0.77
3.2	0.15	0.38	183.31	0.77
3.3	0.16	0.40	193.70	0.77
3.4	0.16	0.41	204.38	0.77
3.5	0.16	0.43	215.34	0.77
3.6	0.16	0.45	226.59	0.77
3.7	0.16	0.46	238.13	0.77
3.8	0.17	0.48	249.97	0.77
3.9	0.17	0.50	262.10	0.77
4.0	0.17	0.51	274.52	0.77
4.1	0.17	0.53	287.24	0.77
4.2	0.18	0.55	300.26	0.77
4.3	0.18	0.57	313.58	0.77

4.4	0.18	0.58	327.20	0.77
4.5	0.18	0.60	341.12	0.77
4.6	0.18	0.62	355.36	0.77
4.7	0.19	0.64	369.90	0.77
4.8	0.19	0.66	384.75	0.77
4.9	0.19	0.68	399.91	0.77
5.0	0.19	0.69	415.39	0.77
5.1	0.19	0.71	431.18	0.77
5.2	0.20	0.73	447.29	0.77
5.3	0.20	0.75	463.72	0.77
5.4	0.20	0.77	480.47	0.77
5.5	0.20	0.79	497.55	0.77
5.6	0.21	0.81	514.95	0.77
5.7	0.21	0.83	532.67	0.77
5.8	0.21	0.86	550.73	0.77
5.9	0.21	0.88	569.12	0.77
6.0	0.21	0.90	587.84	0.77
6.1	2	100	20000	0.77

END FTABLE421

FTABLE 420

62 5

0.0	0.24	0.00	0.00	0.33
0.1	0.24	0.02	0.56	0.33
0.2	0.25	0.05	1.77	0.33
0.3	0.26	0.07	3.48	0.33
0.4	0.26	0.10	5.62	0.33
0.5	0.27	0.13	8.14	0.33
0.6	0.27	0.15	11.03	0.33
0.7	0.28	0.18	14.26	0.33
0.8	0.29	0.21	17.83	0.33
0.9	0.29	0.24	21.71	0.33
1.0	0.30	0.27	25.90	0.33
1.1	0.30	0.30	30.40	0.33

1.2	0.31	0.33	35.19	0.33
1.3	0.31	0.36	40.28	0.33
1.4	0.32	0.39	45.66	0.33
1.5	0.33	0.42	51.34	0.33
1.6	0.33	0.46	57.29	0.33
1.7	0.34	0.49	63.53	0.33
1.8	0.34	0.52	70.06	0.33
1.9	0.35	0.56	76.87	0.33
2.0	0.36	0.59	83.97	0.33
2.1	0.36	0.63	91.35	0.33
2.2	0.37	0.67	99.01	0.33
2.3	0.37	0.70	106.96	0.33
2.4	0.38	0.74	115.20	0.33
2.5	0.39	0.78	123.72	0.33
2.6	0.39	0.82	132.52	0.33
2.7	0.40	0.86	141.62	0.33
2.8	0.40	0.90	151.00	0.33
2.9	0.41	0.94	160.68	0.33
3.0	0.42	0.98	170.65	0.33
3.1	0.42	1.02	180.91	0.33
3.2	0.43	1.06	191.46	0.33
3.3	0.43	1.11	202.32	0.33
3.4	0.44	1.15	213.47	0.33
3.5	0.45	1.20	224.92	0.33
3.6	0.45	1.24	236.67	0.33
3.7	0.46	1.29	248.72	0.33
3.8	0.46	1.33	261.08	0.33
3.9	0.47	1.38	273.75	0.33
4.0	0.48	1.43	286.72	0.33
4.1	0.48	1.47	300.01	0.33
4.2	0.49	1.52	313.61	0.33
4.3	0.49	1.57	327.52	0.33
4.4	0.50	1.62	341.75	0.33

4.5	0.50	1.67	356.29	0.33
4.6	0.51	1.72	371.16	0.33
4.7	0.52	1.77	386.35	0.33
4.8	0.52	1.82	401.86	0.33
4.9	0.53	1.88	417.69	0.33
5.0	0.53	1.93	433.86	0.33
5.1	0.54	1.98	450.35	0.33
5.2	0.55	2.04	467.18	0.33
5.3	0.55	2.09	484.34	0.33
5.4	0.56	2.15	501.84	0.33
5.5	0.56	2.20	519.67	0.33
5.6	0.57	2.26	537.84	0.33
5.7	0.58	2.32	556.36	0.33
5.8	0.58	2.38	575.22	0.33
5.9	0.59	2.44	594.42	0.33
6.0	0.59	2.49	613.98	0.33
6.1	2	100	20000	0.33

END FTABLE420

FTABLE 210

62 5

<--Depth-><---Area-><-Volume-><-OVERFLOW-><-INFILT->***

(ft)	(acres)	(acre-ft)	(cfs)	(cfs) ***
0.0	0.31	0.00	0.00	1.54
0.1	0.32	0.03	0.46	1.54
0.2	0.33	0.06	1.45	1.54
0.3	0.34	0.10	2.84	1.54
0.4	0.35	0.13	4.59	1.54
0.5	0.35	0.17	6.65	1.54
0.6	0.36	0.20	9.01	1.54
0.7	0.37	0.24	11.65	1.54
0.8	0.38	0.28	14.56	1.54
0.9	0.39	0.31	17.73	1.54
1.0	0.39	0.35	21.15	1.54

1.1	0.40	0.39	24.82	1.54
1.2	0.41	0.43	28.74	1.54
1.3	0.42	0.48	32.89	1.54
1.4	0.42	0.52	37.29	1.54
1.5	0.43	0.56	41.91	1.54
1.6	0.44	0.60	46.78	1.54
1.7	0.45	0.65	51.88	1.54
1.8	0.46	0.69	57.21	1.54
1.9	0.46	0.74	62.77	1.54
2.0	0.47	0.79	68.56	1.54
2.1	0.48	0.83	74.59	1.54
2.2	0.49	0.88	80.84	1.54
2.3	0.50	0.93	87.33	1.54
2.4	0.50	0.98	94.06	1.54
2.5	0.51	1.03	101.01	1.54
2.6	0.52	1.08	108.20	1.54
2.7	0.53	1.14	115.63	1.54
2.8	0.53	1.19	123.29	1.54
2.9	0.54	1.24	131.19	1.54
3.0	0.55	1.30	139.33	1.54
3.1	0.56	1.35	147.71	1.54
3.2	0.57	1.41	156.33	1.54
3.3	0.57	1.47	165.19	1.54
3.4	0.58	1.52	174.29	1.54
3.5	0.59	1.58	183.64	1.54
3.6	0.60	1.64	193.24	1.54
3.7	0.61	1.70	203.08	1.54
3.8	0.61	1.76	213.17	1.54
3.9	0.62	1.82	223.52	1.54
4.0	0.63	1.89	234.11	1.54
4.1	0.64	1.95	244.96	1.54
4.2	0.64	2.01	256.06	1.54
4.3	0.65	2.08	267.42	1.54

4.4	0.66	2.14	279.03	1.54
4.5	0.67	2.21	290.91	1.54
4.6	0.68	2.28	303.05	1.54
4.7	0.68	2.35	315.45	1.54
4.8	0.69	2.42	328.11	1.54
4.9	0.70	2.48	341.05	1.54
5.0	0.71	2.56	354.24	1.54
5.1	0.72	2.63	367.71	1.54
5.2	0.72	2.70	381.45	1.54
5.3	0.73	2.77	395.46	1.54
5.4	0.74	2.84	409.75	1.54
5.5	0.75	2.92	424.31	1.54
5.6	0.75	2.99	439.15	1.54
5.7	0.76	3.07	454.27	1.54
5.8	0.77	3.15	469.66	1.54
5.9	0.78	3.22	485.35	1.54
6.0	0.79	3.30	501.31	1.54
6.1	2	100	20000	1.54

END FTABLE210

FTABLE 235

6 4

<--Depth-><---Area-><-Volume->Discharge***

(ft) (acres) (acre-ft) (cfs)***

0.0	0.00	0.00	0.00
1.2	0.00	0.01	32.13
3.0	0.01	0.02	155.78
4.4	0.01	0.03	311.97
5.6	0.01	0.04	490.98
6.1	2	100	20000

END FTABLE235

FTABLE 387

18 4

<--Depth-><---Area-><-Volume->Discharge***

(ft) (acres) (acre-ft) (cfs)***

0.0	0.02	0.00	0.00
0.4	0.02	0.01	14.04
0.9	0.02	0.02	54.27
1.5	0.02	0.03	128.34
1.9	0.02	0.04	192.19
2.4	0.02	0.05	287.99
2.8	0.03	0.06	377.51
3.1	0.03	0.07	452.27
3.5	0.03	0.08	562.29
3.8	0.03	0.09	652.71
4.2	0.03	0.10	784.02
4.5	0.03	0.11	890.73
4.8	0.03	0.12	1004.64
5.1	0.03	0.13	1125.88
5.4	0.04	0.14	1254.59
5.7	0.04	0.15	1390.90
5.9	0.04	0.16	1486.06
6.1	2	100	20000

END FTABLE387

FTABLE 397

62 4

<--Depth-><---Area-><-Volume->Discharge***

(ft) (acres) (acre-ft) (cfs)***

0.0	1.04	0.00	0.00
0.1	1.06	0.11	3.20
0.2	1.09	0.21	10.14
0.3	1.12	0.32	19.90
0.4	1.14	0.44	32.10
0.5	1.17	0.55	46.54
0.6	1.19	0.67	63.05
0.7	1.22	0.79	81.53
0.8	1.25	0.91	101.89

0.9	1.27	1.04	124.08
1.0	1.30	1.17	148.04
1.1	1.32	1.30	173.74
1.2	1.35	1.43	201.15
1.3	1.38	1.57	230.24
1.4	1.40	1.71	261.00
1.5	1.43	1.85	293.40
1.6	1.45	1.99	327.45
1.7	1.48	2.14	363.13
1.8	1.51	2.29	400.44
1.9	1.53	2.44	439.37
2.0	1.56	2.60	479.93
2.1	1.58	2.75	522.10
2.2	1.61	2.91	565.91
2.3	1.64	3.08	611.34
2.4	1.66	3.24	658.40
2.5	1.69	3.41	707.10
2.6	1.71	3.58	757.43
2.7	1.74	3.75	809.42
2.8	1.77	3.93	863.06
2.9	1.79	4.10	918.36
3.0	1.82	4.28	975.33
3.1	1.84	4.47	1033.97
3.2	1.87	4.65	1094.31
3.3	1.90	4.84	1156.33
3.4	1.92	5.03	1220.06
3.5	1.95	5.23	1285.51
3.6	1.97	5.42	1352.67
3.7	2.00	5.62	1421.57
3.8	2.03	5.82	1492.21
3.9	2.05	6.03	1564.61
4.0	2.08	6.23	1638.77
4.1	2.10	6.44	1714.70

4.2	2.13	6.65	1792.41
4.3	2.16	6.87	1871.93
4.4	2.18	7.08	1953.24
4.5	2.21	7.30	2036.38
4.6	2.23	7.53	2121.34
4.7	2.26	7.75	2208.15
4.8	2.29	7.98	2296.80
4.9	2.31	8.21	2387.32
5.0	2.34	8.44	2479.71
5.1	2.36	8.67	2573.99
5.2	2.39	8.91	2670.16
5.3	2.41	9.15	2768.24
5.4	2.44	9.39	2868.24
5.5	2.47	9.64	2970.17
5.6	2.49	9.89	3074.04
5.7	2.52	10.14	3179.86
5.8	2.54	10.39	3287.65
5.9	2.57	10.65	3397.42
6.0	2.60	10.91	3509.18
6.1	2	100	20000

END FTABLE397

END FTABLES

EXT SOURCES

<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
 <Name> x <Name> x tem strg<-factor->strg <Name> x x <Name> x x ***

***** Met Seg ppt_GCFL,PI:PREC=1.07**

***** 10% increase for 20 Undnderdeveloped rock, and 5% increase for 40 underdeveloped
outwash, 20: $221/100*5\%*1.07=1.188$; 25: $17/100*5\%*1.07=1.07$**

WDM3	3 PPT	ENGL	1.19	SAME PERLND 20	EXTNL PREC
WDM3	3 PPT	ENGL	1.07	SAME PERLND 25	EXTNL PREC
WDM3	3 PPT	ENGL	1.07	SAME PERLND 40	EXTNL PREC
WDM3	3 PPT	ENGL	1.07	SAME PERLND 41	EXTNL PREC
WDM3	6 ATEM	ENGL		SAME PERLND 20 41	EXTNL GATMP
WDM3	7 PET	ENGL		PERLND 20 41	EXTNL PETINP
WDM3	1 WIND	ENGL		SAME PERLND 20 41	EXTNL WINMOV
WDM3	2 SOLA	ENGL		SAME PERLND 20 41	EXTNL SOLRAD
WDM3	5 DEWP	ENGL		SAME PERLND 20 41	EXTNL DTMPG

***** Met Seg ppt_GCFL,PI:PREC=1.07**

WDM3	3 PPT	ENGL	1.07	SAME IMPLND 11	EXTNL PREC
WDM3	6 ATEM	ENGL		SAME IMPLND 11	EXTNL GATMP
WDM3	7 PET	ENGL		IMPLND 11	EXTNL PETINP
WDM3	1 WIND	ENGL		SAME IMPLND 11	EXTNL WINMOV
WDM3	2 SOLA	ENGL		SAME IMPLND 11	EXTNL SOLRAD
WDM3	5 DEWP	ENGL		SAME IMPLND 11	EXTNL DTMPG

***** Met Seg ppt_GCFL,R:PREC=1.07**

WDM3	3 PPT	ENGL	1.07	SAME RCHRES 206 421	EXTNL PREC
WDM3	6 ATEM	ENGL		SAME RCHRES 206 421	EXTNL GATMP

***** PET ON STORAGE AREAS**

WDM3	7 PET	ENGL		RCHRES 206	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 216	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 218	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 221	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 243	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 251	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 312	EXTNL POTEV
WDM3	7 PET	ENGL		RCHRES 327	EXTNL POTEV

WDM3	7 PET	ENGL	RCHRES 337	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 339	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 345	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 358	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 360	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 365	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 380	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 382	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 390	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 394	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 398	EXTNL POTEV
WDM3	7 PET	ENGL	RCHRES 403	EXTNL POTEV

END EXT SOURCES

NETWORK

<-Volume> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***

<Name> x <Name> x x<-factor->strg <Name> x x <Name> x x ***

RCHRES 206 HYDR OVOL 1	RCHRES 208 EXTNL IVOL
RCHRES 207 HYDR OVOL 1	RCHRES 208 EXTNL IVOL
RCHRES 208 HYDR OVOL 1	RCHRES 214 EXTNL IVOL
RCHRES 209 HYDR OVOL 1	RCHRES 210 EXTNL IVOL
***RCHRES 210 HYDR OVOL 1	RCHRES 0 EXTNL IVOL
RCHRES 211 HYDR OVOL 1	RCHRES 219 EXTNL IVOL
RCHRES 214 HYDR OVOL 1	RCHRES 421 EXTNL IVOL
RCHRES 215 HYDR OVOL 1	RCHRES 421 EXTNL IVOL
RCHRES 216 HYDR OVOL 1	RCHRES 215 EXTNL IVOL
RCHRES 217 HYDR OVOL 1	RCHRES 222 EXTNL IVOL
RCHRES 218 HYDR OVOL 1	RCHRES 215 EXTNL IVOL
RCHRES 219 HYDR OVOL 1	RCHRES 222 EXTNL IVOL
RCHRES 220 HYDR OVOL 1	RCHRES 219 EXTNL IVOL
RCHRES 221 HYDR OVOL 1	RCHRES 416 EXTNL IVOL

RCHRES 222 HYDR	OVOL	1	RCHRES 229	EXTNL	IVOL
RCHRES 223 HYDR	OVOL	1	RCHRES 225	EXTNL	IVOL
RCHRES 224 HYDR	OVOL	1	RCHRES 225	EXTNL	IVOL
RCHRES 225 HYDR	OVOL	1	RCHRES 221	EXTNL	IVOL
RCHRES 226 HYDR	OVOL	1	RCHRES 416	EXTNL	IVOL
RCHRES 227 HYDR	OVOL	1	RCHRES 216	EXTNL	IVOL
RCHRES 228 HYDR	OVOL	1	RCHRES 216	EXTNL	IVOL
RCHRES 229 HYDR	OVOL	1	RCHRES 231	EXTNL	IVOL
RCHRES 230 HYDR	OVOL	1	RCHRES 221	EXTNL	IVOL
RCHRES 231 HYDR	OVOL	1	RCHRES 223	EXTNL	IVOL
RCHRES 232 HYDR	OVOL	1	RCHRES 229	EXTNL	IVOL
RCHRES 233 HYDR	OVOL	1	RCHRES 223	EXTNL	IVOL
RCHRES 234 HYDR	OVOL	1	RCHRES 231	EXTNL	IVOL
RCHRES 235 HYDR	OVOL	1	RCHRES 234	EXTNL	IVOL
RCHRES 236 HYDR	OVOL	1	RCHRES 234	EXTNL	IVOL
RCHRES 237 HYDR	OVOL	1	RCHRES 235	EXTNL	IVOL
RCHRES 238 HYDR	OVOL	1	RCHRES 235	EXTNL	IVOL
RCHRES 239 HYDR	OVOL	1	RCHRES 230	EXTNL	IVOL
RCHRES 240 HYDR	OVOL	1	RCHRES 230	EXTNL	IVOL
RCHRES 241 HYDR	OVOL	1	RCHRES 236	EXTNL	IVOL
RCHRES 242 HYDR	OVOL	1	RCHRES 236	EXTNL	IVOL
RCHRES 243 HYDR	OVOL	1	RCHRES 218	EXTNL	IVOL
RCHRES 244 HYDR	OVOL	1	RCHRES 218	EXTNL	IVOL
RCHRES 245 HYDR	OVOL	1	RCHRES 237	EXTNL	IVOL
RCHRES 246 HYDR	OVOL	1	RCHRES 237	EXTNL	IVOL
RCHRES 247 HYDR	OVOL	1	RCHRES 256	EXTNL	IVOL
RCHRES 248 HYDR	OVOL	1	RCHRES 242	EXTNL	IVOL
RCHRES 249 HYDR	OVOL	1	RCHRES 242	EXTNL	IVOL
RCHRES 250 HYDR	OVOL	1	RCHRES 249	EXTNL	IVOL
RCHRES 251 HYDR	OVOL	1	RCHRES 239	EXTNL	IVOL
RCHRES 252 HYDR	OVOL	1	RCHRES 239	EXTNL	IVOL
RCHRES 253 HYDR	OVOL	1	RCHRES 252	EXTNL	IVOL
RCHRES 254 HYDR	OVOL	1	RCHRES 252	EXTNL	IVOL

RCHRES 255 HYDR	OVOL	1	RCHRES 249	EXTNL	IVOL
RCHRES 256 HYDR	OVOL	1	RCHRES 255	EXTNL	IVOL
RCHRES 257 HYDR	OVOL	1	RCHRES 256	EXTNL	IVOL
RCHRES 258 HYDR	OVOL	1	RCHRES 255	EXTNL	IVOL
RCHRES 259 HYDR	OVOL	1	RCHRES 254	EXTNL	IVOL
RCHRES 260 HYDR	OVOL	1	RCHRES 254	EXTNL	IVOL
RCHRES 261 HYDR	OVOL	1	RCHRES 258	EXTNL	IVOL
RCHRES 262 HYDR	OVOL	1	RCHRES 258	EXTNL	IVOL
RCHRES 263 HYDR	OVOL	1	RCHRES 244	EXTNL	IVOL
RCHRES 264 HYDR	OVOL	1	RCHRES 244	EXTNL	IVOL
RCHRES 265 HYDR	OVOL	1	RCHRES 238	EXTNL	IVOL
RCHRES 266 HYDR	OVOL	1	RCHRES 262	EXTNL	IVOL
RCHRES 267 HYDR	OVOL	1	RCHRES 238	EXTNL	IVOL
RCHRES 269 HYDR	OVOL	1	RCHRES 262	EXTNL	IVOL
RCHRES 270 HYDR	OVOL	1	RCHRES 264	EXTNL	IVOL
RCHRES 271 HYDR	OVOL	1	RCHRES 265	EXTNL	IVOL
RCHRES 272 HYDR	OVOL	1	RCHRES 267	EXTNL	IVOL
RCHRES 273 HYDR	OVOL	1	RCHRES 265	EXTNL	IVOL
RCHRES 274 HYDR	OVOL	1	RCHRES 287	EXTNL	IVOL
RCHRES 275 HYDR	OVOL	1	RCHRES 267	EXTNL	IVOL
RCHRES 276 HYDR	OVOL	1	RCHRES 263	EXTNL	IVOL
RCHRES 278 HYDR	OVOL	1	RCHRES 272	EXTNL	IVOL
RCHRES 279 HYDR	OVOL	1	RCHRES 282	EXTNL	IVOL
RCHRES 280 HYDR	OVOL	1	RCHRES 264	EXTNL	IVOL
RCHRES 281 HYDR	OVOL	1	RCHRES 263	EXTNL	IVOL
RCHRES 282 HYDR	OVOL	1	RCHRES 281	EXTNL	IVOL
RCHRES 284 HYDR	OVOL	1	RCHRES 282	EXTNL	IVOL
RCHRES 285 HYDR	OVOL	1	RCHRES 284	EXTNL	IVOL
RCHRES 286 HYDR	OVOL	1	RCHRES 287	EXTNL	IVOL
RCHRES 287 HYDR	OVOL	1	RCHRES 280	EXTNL	IVOL
RCHRES 288 HYDR	OVOL	1	RCHRES 273	EXTNL	IVOL
RCHRES 289 HYDR	OVOL	1	RCHRES 273	EXTNL	IVOL
RCHRES 290 HYDR	OVOL	1	RCHRES 281	EXTNL	IVOL

RCHRES 291 HYDR	OVOL	1	RCHRES 280	EXTNL	IVOL
RCHRES 292 HYDR	OVOL	1	RCHRES 291	EXTNL	IVOL
RCHRES 293 HYDR	OVOL	1	RCHRES 284	EXTNL	IVOL
RCHRES 294 HYDR	OVOL	1	RCHRES 291	EXTNL	IVOL
RCHRES 295 HYDR	OVOL	1	RCHRES 292	EXTNL	IVOL
RCHRES 296 HYDR	OVOL	1	RCHRES 292	EXTNL	IVOL
RCHRES 297 HYDR	OVOL	1	RCHRES 290	EXTNL	IVOL
RCHRES 298 HYDR	OVOL	1	RCHRES 290	EXTNL	IVOL
RCHRES 299 HYDR	OVOL	1	RCHRES 296	EXTNL	IVOL
RCHRES 300 HYDR	OVOL	1	RCHRES 304	EXTNL	IVOL
RCHRES 301 HYDR	OVOL	1	RCHRES 285	EXTNL	IVOL
RCHRES 302 HYDR	OVOL	1	RCHRES 307	EXTNL	IVOL
RCHRES 303 HYDR	OVOL	1	RCHRES 304	EXTNL	IVOL
RCHRES 304 HYDR	OVOL	1	RCHRES 296	EXTNL	IVOL
RCHRES 305 HYDR	OVOL	1	RCHRES 285	EXTNL	IVOL
RCHRES 306 HYDR	OVOL	1	RCHRES 305	EXTNL	IVOL
RCHRES 307 HYDR	OVOL	1	RCHRES 306	EXTNL	IVOL
RCHRES 308 HYDR	OVOL	1	RCHRES 309	EXTNL	IVOL
RCHRES 309 HYDR	OVOL	1	RCHRES 306	EXTNL	IVOL
RCHRES 310 HYDR	OVOL	1	RCHRES 309	EXTNL	IVOL
RCHRES 311 HYDR	OVOL	1	RCHRES 307	EXTNL	IVOL
RCHRES 312 HYDR	OVOL	1	RCHRES 308	EXTNL	IVOL
RCHRES 313 HYDR	OVOL	1	RCHRES 308	EXTNL	IVOL
RCHRES 314 HYDR	OVOL	1	RCHRES 305	EXTNL	IVOL
RCHRES 315 HYDR	OVOL	1	RCHRES 321	EXTNL	IVOL
RCHRES 316 HYDR	OVOL	1	RCHRES 329	EXTNL	IVOL
RCHRES 317 HYDR	OVOL	1	RCHRES 297	EXTNL	IVOL
RCHRES 318 HYDR	OVOL	1	RCHRES 312	EXTNL	IVOL
RCHRES 319 HYDR	OVOL	1	RCHRES 324	EXTNL	IVOL
RCHRES 320 HYDR	OVOL	1	RCHRES 297	EXTNL	IVOL
RCHRES 321 HYDR	OVOL	1	RCHRES 320	EXTNL	IVOL
RCHRES 322 HYDR	OVOL	1	RCHRES 314	EXTNL	IVOL
RCHRES 323 HYDR	OVOL	1	RCHRES 321	EXTNL	IVOL

RCHRES 324 HYDR	OVOL	1	RCHRES 323	EXTNL	IVOL
RCHRES 325 HYDR	OVOL	1	RCHRES 314	EXTNL	IVOL
RCHRES 326 HYDR	OVOL	1	RCHRES 323	EXTNL	IVOL
RCHRES 327 HYDR	OVOL	1	RCHRES 312	EXTNL	IVOL
RCHRES 328 HYDR	OVOL	1	RCHRES 329	EXTNL	IVOL
RCHRES 329 HYDR	OVOL	1	RCHRES 337	EXTNL	IVOL
RCHRES 330 HYDR	OVOL	1	RCHRES 335	EXTNL	IVOL
RCHRES 331 HYDR	OVOL	1	RCHRES 334	EXTNL	IVOL
RCHRES 332 HYDR	OVOL	1	RCHRES 327	EXTNL	IVOL
RCHRES 333 HYDR	OVOL	1	RCHRES 327	EXTNL	IVOL
RCHRES 334 HYDR	OVOL	1	RCHRES 324	EXTNL	IVOL
RCHRES 335 HYDR	OVOL	1	RCHRES 334	EXTNL	IVOL
RCHRES 336 HYDR	OVOL	1	RCHRES 333	EXTNL	IVOL
RCHRES 337 HYDR	OVOL	1	RCHRES 336	EXTNL	IVOL
RCHRES 338 HYDR	OVOL	1	RCHRES 336	EXTNL	IVOL
RCHRES 339 HYDR	OVOL	1	RCHRES 317	EXTNL	IVOL
RCHRES 340 HYDR	OVOL	1	RCHRES 335	EXTNL	IVOL
RCHRES 341 HYDR	OVOL	1	RCHRES 347	EXTNL	IVOL
RCHRES 342 HYDR	OVOL	1	RCHRES 317	EXTNL	IVOL
RCHRES 343 HYDR	OVOL	1	RCHRES 337	EXTNL	IVOL
RCHRES 344 HYDR	OVOL	1	RCHRES 357	EXTNL	IVOL
RCHRES 345 HYDR	OVOL	1	RCHRES 333	EXTNL	IVOL
RCHRES 346 HYDR	OVOL	1	RCHRES 347	EXTNL	IVOL
RCHRES 347 HYDR	OVOL	1	RCHRES 343	EXTNL	IVOL
RCHRES 348 HYDR	OVOL	1	RCHRES 343	EXTNL	IVOL
RCHRES 349 HYDR	OVOL	1	RCHRES 326	EXTNL	IVOL
RCHRES 350 HYDR	OVOL	1	RCHRES 339	EXTNL	IVOL
RCHRES 351 HYDR	OVOL	1	RCHRES 339	EXTNL	IVOL
RCHRES 352 HYDR	OVOL	1	RCHRES 313	EXTNL	IVOL
RCHRES 353 HYDR	OVOL	1	RCHRES 342	EXTNL	IVOL
RCHRES 354 HYDR	OVOL	1	RCHRES 313	EXTNL	IVOL
RCHRES 355 HYDR	OVOL	1	RCHRES 352	EXTNL	IVOL
RCHRES 356 HYDR	OVOL	1	RCHRES 354	EXTNL	IVOL

RCHRES 357 HYDR	OVOL	1	RCHRES 326	EXTNL	IVOL
RCHRES 358 HYDR	OVOL	1	RCHRES 352	EXTNL	IVOL
RCHRES 359 HYDR	OVOL	1	RCHRES 348	EXTNL	IVOL
RCHRES 360 HYDR	OVOL	1	RCHRES 348	EXTNL	IVOL
RCHRES 361 HYDR	OVOL	1	RCHRES 354	EXTNL	IVOL
RCHRES 362 HYDR	OVOL	1	RCHRES 357	EXTNL	IVOL
RCHRES 363 HYDR	OVOL	1	RCHRES 351	EXTNL	IVOL
RCHRES 364 HYDR	OVOL	1	RCHRES 342	EXTNL	IVOL
RCHRES 365 HYDR	OVOL	1	RCHRES 351	EXTNL	IVOL
RCHRES 366 HYDR	OVOL	1	RCHRES 373	EXTNL	IVOL
RCHRES 367 HYDR	OVOL	1	RCHRES 362	EXTNL	IVOL
RCHRES 368 HYDR	OVOL	1	RCHRES 338	EXTNL	IVOL
RCHRES 369 HYDR	OVOL	1	RCHRES 370	EXTNL	IVOL
RCHRES 370 HYDR	OVOL	1	RCHRES 338	EXTNL	IVOL
RCHRES 371 HYDR	OVOL	1	RCHRES 370	EXTNL	IVOL
RCHRES 372 HYDR	OVOL	1	RCHRES 320	EXTNL	IVOL
RCHRES 373 HYDR	OVOL	1	RCHRES 362	EXTNL	IVOL
RCHRES 374 HYDR	OVOL	1	RCHRES 386	EXTNL	IVOL
RCHRES 375 HYDR	OVOL	1	RCHRES 373	EXTNL	IVOL
RCHRES 377 HYDR	OVOL	1	RCHRES 378	EXTNL	IVOL
RCHRES 378 HYDR	OVOL	1	RCHRES 375	EXTNL	IVOL
RCHRES 379 HYDR	OVOL	1	RCHRES 360	EXTNL	IVOL
RCHRES 380 HYDR	OVOL	1	RCHRES 360	EXTNL	IVOL
RCHRES 381 HYDR	OVOL	1	RCHRES 387	EXTNL	IVOL
RCHRES 382 HYDR	OVOL	1	RCHRES 369	EXTNL	IVOL
RCHRES 383 HYDR	OVOL	1	RCHRES 369	EXTNL	IVOL
RCHRES 385 HYDR	OVOL	1	RCHRES 378	EXTNL	IVOL
RCHRES 386 HYDR	OVOL	1	RCHRES 379	EXTNL	IVOL
RCHRES 387 HYDR	OVOL	1	RCHRES 386	EXTNL	IVOL
RCHRES 388 HYDR	OVOL	1	RCHRES 393	EXTNL	IVOL
RCHRES 389 HYDR	OVOL	1	RCHRES 361	EXTNL	IVOL
RCHRES 390 HYDR	OVOL	1	RCHRES 379	EXTNL	IVOL
RCHRES 393 HYDR	OVOL	1	RCHRES 387	EXTNL	IVOL

RCHRES 394 HYDR	OVOL	1	RCHRES 393	EXTNL	IVOL
RCHRES 397 HYDR	OVOL	1	RCHRES 375	EXTNL	IVOL
RCHRES 398 HYDR	OVOL	1	RCHRES 390	EXTNL	IVOL
RCHRES 400 HYDR	OVOL	1	RCHRES 390	EXTNL	IVOL
RCHRES 401 HYDR	OVOL	1	RCHRES 361	EXTNL	IVOL
RCHRES 402 HYDR	OVOL	1	RCHRES 403	EXTNL	IVOL
RCHRES 403 HYDR	OVOL	1	RCHRES 405	EXTNL	IVOL
RCHRES 404 HYDR	OVOL	1	RCHRES 403	EXTNL	IVOL
RCHRES 405 HYDR	OVOL	1	RCHRES 406	EXTNL	IVOL
RCHRES 406 HYDR	OVOL	1	RCHRES 400	EXTNL	IVOL
RCHRES 407 HYDR	OVOL	1	RCHRES 405	EXTNL	IVOL
RCHRES 408 HYDR	OVOL	1	RCHRES 406	EXTNL	IVOL
RCHRES 409 HYDR	OVOL	1	RCHRES 400	EXTNL	IVOL
RCHRES 415 HYDR	OVOL	1	RCHRES 214	EXTNL	IVOL
RCHRES 416 HYDR	OVOL	1	RCHRES 415	EXTNL	IVOL
RCHRES 420 HYDR	OVOL	1	RCHRES 210	EXTNL	IVOL
RCHRES 421 HYDR	OVOL	1	RCHRES 420	EXTNL	IVOL

PERLND 41 PWATER SURO	1	4.0433	RCHRES 206	EXTNL	IVOL
PERLND 41 PWATER SURO	1	3.0058	RCHRES 207	EXTNL	IVOL
PERLND 41 PWATER SURO	1	3.6442	RCHRES 208	EXTNL	IVOL
PERLND 41 PWATER SURO	1	1.8908	RCHRES 209	EXTNL	IVOL
PERLND 41 PWATER SURO	1	1.9433	RCHRES 210	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.5767	RCHRES 211	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.0842	RCHRES 214	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.0058	RCHRES 215	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.0417	RCHRES 216	EXTNL	IVOL
PERLND 41 PWATER SURO	1	1.6783	RCHRES 217	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.3142	RCHRES 218	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.17	RCHRES 219	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.0675	RCHRES 220	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.6867	RCHRES 221	EXTNL	IVOL
PERLND 41 PWATER SURO	1	0.22	RCHRES 222	EXTNL	IVOL

PERLND	41	PWATER	SURO	1	3.7767	RCHRES 223	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.565	RCHRES 224	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.1842	RCHRES 225	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.27	RCHRES 226	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0633	RCHRES 227	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2592	RCHRES 228	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.5967	RCHRES 229	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2567	RCHRES 230	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0842	RCHRES 231	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1025	RCHRES 233	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2808	RCHRES 234	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2133	RCHRES 236	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1775	RCHRES 237	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.4533	RCHRES 238	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2875	RCHRES 239	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.6675	RCHRES 241	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2608	RCHRES 242	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2808	RCHRES 243	EXTNL IVOL
PERLND	41	PWATER	SURO	1	2.2467	RCHRES 244	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0792	RCHRES 248	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0442	RCHRES 249	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1708	RCHRES 250	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1875	RCHRES 251	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.9983	RCHRES 252	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1875	RCHRES 253	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1783	RCHRES 254	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.3325	RCHRES 255	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.015	RCHRES 258	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.3158	RCHRES 261	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0625	RCHRES 262	EXTNL IVOL
PERLND	41	PWATER	SURO	1	3.365	RCHRES 263	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.5283	RCHRES 264	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.58	RCHRES 265	EXTNL IVOL

PERLND	41	PWATER	SURO	1	0.1242	RCHRES 267	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2067	RCHRES 270	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.2067	RCHRES 271	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.5642	RCHRES 272	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.81	RCHRES 273	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1958	RCHRES 274	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0283	RCHRES 275	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.915	RCHRES 276	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.87	RCHRES 278	EXTNL IVOL
PERLND	41	PWATER	SURO	1	2.1792	RCHRES 279	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.8275	RCHRES 280	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0092	RCHRES 281	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.14	RCHRES 282	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0258	RCHRES 284	EXTNL IVOL
PERLND	41	PWATER	SURO	1	2.405	RCHRES 285	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.4733	RCHRES 286	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1525	RCHRES 287	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.4358	RCHRES 288	EXTNL IVOL
PERLND	41	PWATER	SURO	1	3.7783	RCHRES 289	EXTNL IVOL
PERLND	41	PWATER	SURO	1	2.1383	RCHRES 290	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.055	RCHRES 291	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.105	RCHRES 292	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.7708	RCHRES 293	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.3575	RCHRES 294	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.9958	RCHRES 295	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.4342	RCHRES 296	EXTNL IVOL
PERLND	41	PWATER	SURO	1	4.9092	RCHRES 297	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.4392	RCHRES 298	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.0075	RCHRES 299	EXTNL IVOL
PERLND	41	PWATER	SURO	1	2.9658	RCHRES 301	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.5842	RCHRES 302	EXTNL IVOL
PERLND	41	PWATER	SURO	1	0.1917	RCHRES 304	EXTNL IVOL
PERLND	41	PWATER	SURO	1	1.1367	RCHRES 305	EXTNL IVOL

PERLND	41	PWATER	SURO	1	0.63	RCHRES 306	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.7025	RCHRES 307	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.9483	RCHRES 308	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.015	RCHRES 309	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.9542	RCHRES 310	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.4975	RCHRES 311	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.07	RCHRES 312	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	3.5142	RCHRES 313	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.2333	RCHRES 314	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0792	RCHRES 315	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.6733	RCHRES 316	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.135	RCHRES 317	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.3083	RCHRES 318	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.1758	RCHRES 319	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.975	RCHRES 320	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.1425	RCHRES 321	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.7358	RCHRES 322	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.0175	RCHRES 325	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.2125	RCHRES 326	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.955	RCHRES 327	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.4867	RCHRES 328	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.2433	RCHRES 329	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.095	RCHRES 331	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.62	RCHRES 332	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0067	RCHRES 333	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.1008	RCHRES 335	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0117	RCHRES 336	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.1392	RCHRES 337	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0525	RCHRES 338	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.8442	RCHRES 339	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.755	RCHRES 341	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.4642	RCHRES 342	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0125	RCHRES 343	EXTNL	IVOL

PERLND	41	PWATER	SURO	1	0.5342	RCHRES 345	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.7908	RCHRES 346	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.7692	RCHRES 347	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.1492	RCHRES 348	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	4.0917	RCHRES 349	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.4692	RCHRES 350	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.5117	RCHRES 351	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0467	RCHRES 352	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0342	RCHRES 353	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.2192	RCHRES 354	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.2325	RCHRES 355	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.745	RCHRES 356	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0483	RCHRES 357	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.0742	RCHRES 358	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.825	RCHRES 359	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	3.2108	RCHRES 360	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.2542	RCHRES 361	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.1742	RCHRES 362	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.3667	RCHRES 363	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.5792	RCHRES 364	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0542	RCHRES 365	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	4.8858	RCHRES 367	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.4925	RCHRES 368	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.5533	RCHRES 371	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.7583	RCHRES 372	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.0625	RCHRES 373	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.5542	RCHRES 374	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.485	RCHRES 375	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	0.5525	RCHRES 378	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.0333	RCHRES 379	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	2.4883	RCHRES 380	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.1583	RCHRES 381	EXTNL	IVOL
PERLND	41	PWATER	SURO	1	1.8325	RCHRES 382	EXTNL	IVOL

PERLND	41	PWATER SURO	1	0.8708	RCHRES 383	EXTNL IVOL
PERLND	41	PWATER SURO	1	13.1508	RCHRES 385	EXTNL IVOL
PERLND	41	PWATER SURO	1	0.1142	RCHRES 386	EXTNL IVOL
PERLND	41	PWATER SURO	1	5.2017	RCHRES 388	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.2867	RCHRES 389	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.79	RCHRES 390	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.2425	RCHRES 393	EXTNL IVOL
PERLND	41	PWATER SURO	1	11.2258	RCHRES 394	EXTNL IVOL
PERLND	41	PWATER SURO	1	17.5392	RCHRES 397	EXTNL IVOL
PERLND	41	PWATER SURO	1	2.2442	RCHRES 398	EXTNL IVOL
PERLND	41	PWATER SURO	1	0.4917	RCHRES 400	EXTNL IVOL
PERLND	41	PWATER SURO	1	4.255	RCHRES 401	EXTNL IVOL
PERLND	41	PWATER SURO	1	2.0717	RCHRES 402	EXTNL IVOL
PERLND	41	PWATER SURO	1	2.0692	RCHRES 403	EXTNL IVOL
PERLND	41	PWATER SURO	1	2.2933	RCHRES 404	EXTNL IVOL
PERLND	41	PWATER SURO	1	3.5958	RCHRES 405	EXTNL IVOL
PERLND	41	PWATER SURO	1	0.42	RCHRES 406	EXTNL IVOL
PERLND	41	PWATER SURO	1	2.2217	RCHRES 407	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.8525	RCHRES 408	EXTNL IVOL
PERLND	41	PWATER SURO	1	3.0925	RCHRES 409	EXTNL IVOL
PERLND	41	PWATER SURO	1	0.0942	RCHRES 415	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.23	RCHRES 416	EXTNL IVOL
PERLND	41	PWATER SURO	1	1.2417	RCHRES 420	EXTNL IVOL
PERLND	41	PWATER SURO	1	0.6125	RCHRES 421	EXTNL IVOL

*** no interflow counted for urban area

***PERLND	41	PWATER IFWO	1	4.0433	RCHRES 206	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	3.0058	RCHRES 207	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	3.6442	RCHRES 208	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	1.8908	RCHRES 209	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	1.9433	RCHRES 210	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	0.5767	RCHRES 211	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	0.0842	RCHRES 214	EXTNL IVOL
***PERLND	41	PWATER IFWO	1	0.0058	RCHRES 215	EXTNL IVOL

***PERLND	41	PWATER	IFWO	1	0.0417	RCHRES 216	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.6783	RCHRES 217	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.3142	RCHRES 218	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.17	RCHRES 219	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0675	RCHRES 220	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.6867	RCHRES 221	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.22	RCHRES 222	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.7767	RCHRES 223	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.565	RCHRES 224	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.1842	RCHRES 225	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.27	RCHRES 226	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0633	RCHRES 227	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2592	RCHRES 228	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5967	RCHRES 229	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2567	RCHRES 230	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0842	RCHRES 231	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1025	RCHRES 233	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2808	RCHRES 234	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2133	RCHRES 236	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1775	RCHRES 237	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4533	RCHRES 238	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2875	RCHRES 239	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.6675	RCHRES 241	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2608	RCHRES 242	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2808	RCHRES 243	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.2467	RCHRES 244	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0792	RCHRES 248	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0442	RCHRES 249	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1708	RCHRES 250	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1875	RCHRES 251	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.9983	RCHRES 252	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1875	RCHRES 253	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1783	RCHRES 254	EXTNL	IVOL

***PERLND	41	PWATER	IFWO	1	0.3325	RCHRES 255	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.015	RCHRES 258	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.3158	RCHRES 261	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0625	RCHRES 262	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.365	RCHRES 263	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5283	RCHRES 264	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.58	RCHRES 265	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1242	RCHRES 267	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2067	RCHRES 270	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2067	RCHRES 271	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5642	RCHRES 272	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.81	RCHRES 273	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1958	RCHRES 274	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0283	RCHRES 275	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.915	RCHRES 276	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.87	RCHRES 278	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.1792	RCHRES 279	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.8275	RCHRES 280	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0092	RCHRES 281	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.14	RCHRES 282	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0258	RCHRES 284	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.405	RCHRES 285	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4733	RCHRES 286	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1525	RCHRES 287	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4358	RCHRES 288	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.7783	RCHRES 289	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.1383	RCHRES 290	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.055	RCHRES 291	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.105	RCHRES 292	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.7708	RCHRES 293	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.3575	RCHRES 294	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.9958	RCHRES 295	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4342	RCHRES 296	EXTNL	IVOL

***PERLND	41	PWATER	IFWO	1	4.9092	RCHRES 297	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4392	RCHRES 298	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0075	RCHRES 299	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.9658	RCHRES 301	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.5842	RCHRES 302	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1917	RCHRES 304	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.1367	RCHRES 305	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.63	RCHRES 306	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.7025	RCHRES 307	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.9483	RCHRES 308	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.015	RCHRES 309	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.9542	RCHRES 310	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.4975	RCHRES 311	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.07	RCHRES 312	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.5142	RCHRES 313	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2333	RCHRES 314	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0792	RCHRES 315	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.6733	RCHRES 316	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.135	RCHRES 317	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.3083	RCHRES 318	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1758	RCHRES 319	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.975	RCHRES 320	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1425	RCHRES 321	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.7358	RCHRES 322	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.0175	RCHRES 325	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2125	RCHRES 326	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.955	RCHRES 327	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.4867	RCHRES 328	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2433	RCHRES 329	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.095	RCHRES 331	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.62	RCHRES 332	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0067	RCHRES 333	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1008	RCHRES 335	EXTNL	IVOL

***PERLND	41	PWATER	IFWO	1	0.0117	RCHRES 336	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1392	RCHRES 337	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0525	RCHRES 338	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.8442	RCHRES 339	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.755	RCHRES 341	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.4642	RCHRES 342	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0125	RCHRES 343	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5342	RCHRES 345	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.7908	RCHRES 346	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.7692	RCHRES 347	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.1492	RCHRES 348	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	4.0917	RCHRES 349	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.4692	RCHRES 350	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5117	RCHRES 351	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0467	RCHRES 352	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0342	RCHRES 353	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.2192	RCHRES 354	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.2325	RCHRES 355	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.745	RCHRES 356	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0483	RCHRES 357	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.0742	RCHRES 358	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.825	RCHRES 359	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.2108	RCHRES 360	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.2542	RCHRES 361	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1742	RCHRES 362	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.3667	RCHRES 363	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5792	RCHRES 364	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0542	RCHRES 365	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	4.8858	RCHRES 367	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.4925	RCHRES 368	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5533	RCHRES 371	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.7583	RCHRES 372	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0625	RCHRES 373	EXTNL	IVOL

***PERLND	41	PWATER	IFWO	1	0.5542	RCHRES 374	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.485	RCHRES 375	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.5525	RCHRES 378	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.0333	RCHRES 379	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.4883	RCHRES 380	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.1583	RCHRES 381	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.8325	RCHRES 382	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.8708	RCHRES 383	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	13.1508	RCHRES 385	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.1142	RCHRES 386	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	5.2017	RCHRES 388	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.2867	RCHRES 389	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.79	RCHRES 390	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.2425	RCHRES 393	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	11.2258	RCHRES 394	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	17.5392	RCHRES 397	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.2442	RCHRES 398	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.4917	RCHRES 400	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	4.255	RCHRES 401	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.0717	RCHRES 402	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.0692	RCHRES 403	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.2933	RCHRES 404	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.5958	RCHRES 405	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.42	RCHRES 406	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	2.2217	RCHRES 407	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.8525	RCHRES 408	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	3.0925	RCHRES 409	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.0942	RCHRES 415	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.23	RCHRES 416	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	1.2417	RCHRES 420	EXTNL	IVOL
***PERLND	41	PWATER	IFWO	1	0.6125	RCHRES 421	EXTNL	IVOL

PERLND	40	PWATER	SURO	1	0.035	RCHRES 228	EXTNL	IVOL
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PERLND	40	PWATER	SURO	1	0.0058	RCHRES 231	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0208	RCHRES 233	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1025	RCHRES 236	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.1525	RCHRES 238	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.9858	RCHRES 241	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.105	RCHRES 242	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.9183	RCHRES 244	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0308	RCHRES 248	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0267	RCHRES 249	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1208	RCHRES 250	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0183	RCHRES 253	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.3075	RCHRES 255	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0517	RCHRES 256	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.3642	RCHRES 258	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.4108	RCHRES 261	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0075	RCHRES 262	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.5042	RCHRES 263	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.67	RCHRES 264	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.5525	RCHRES 265	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0317	RCHRES 267	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.4867	RCHRES 270	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.345	RCHRES 271	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.4575	RCHRES 272	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.5125	RCHRES 273	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.0442	RCHRES 274	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1592	RCHRES 278	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1358	RCHRES 279	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	2.2333	RCHRES 280	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.2167	RCHRES 285	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.9683	RCHRES 286	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1183	RCHRES 287	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	1.2508	RCHRES 288	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.71	RCHRES 289	EXTNL	IVOL

PERLND	40	PWATER	SURO	1	2.5058	RCHRES 290	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0133	RCHRES 291	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.5283	RCHRES 292	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.41	RCHRES 293	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.4758	RCHRES 294	EXTNL IVOL
PERLND	40	PWATER	SURO	1	2.0467	RCHRES 295	EXTNL IVOL
PERLND	40	PWATER	SURO	1	1.2067	RCHRES 296	EXTNL IVOL
PERLND	40	PWATER	SURO	1	3.4417	RCHRES 297	EXTNL IVOL
PERLND	40	PWATER	SURO	1	1.8233	RCHRES 298	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.1283	RCHRES 299	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.3875	RCHRES 304	EXTNL IVOL
PERLND	40	PWATER	SURO	1	2.2717	RCHRES 315	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.1217	RCHRES 317	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.69	RCHRES 319	EXTNL IVOL
PERLND	40	PWATER	SURO	1	1.5975	RCHRES 320	EXTNL IVOL
PERLND	40	PWATER	SURO	1	1.9008	RCHRES 321	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.035	RCHRES 322	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0058	RCHRES 323	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.4433	RCHRES 324	EXTNL IVOL
PERLND	40	PWATER	SURO	1	1.2958	RCHRES 326	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0058	RCHRES 327	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.8625	RCHRES 331	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0125	RCHRES 332	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.1833	RCHRES 334	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.6033	RCHRES 335	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.045	RCHRES 339	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.595	RCHRES 342	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.045	RCHRES 344	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0283	RCHRES 348	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.2142	RCHRES 349	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.1217	RCHRES 351	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.0408	RCHRES 353	EXTNL IVOL
PERLND	40	PWATER	SURO	1	0.23	RCHRES 357	EXTNL IVOL

PERLND	40	PWATER	SURO	1	0.0575	RCHRES 362	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0467	RCHRES 367	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.8208	RCHRES 372	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0408	RCHRES 375	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0267	RCHRES 377	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.125	RCHRES 378	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.0267	RCHRES 383	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.2775	RCHRES 385	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.4142	RCHRES 397	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.1192	RCHRES 401	EXTNL	IVOL
PERLND	40	PWATER	SURO	1	0.4283	RCHRES 404	EXTNL	IVOL

PERLND	40	PWATER	IFWO	1	0.035	RCHRES 228	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0058	RCHRES 231	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0208	RCHRES 233	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1025	RCHRES 236	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.1525	RCHRES 238	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.9858	RCHRES 241	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.105	RCHRES 242	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.9183	RCHRES 244	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0308	RCHRES 248	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0267	RCHRES 249	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1208	RCHRES 250	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0183	RCHRES 253	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.3075	RCHRES 255	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0517	RCHRES 256	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.3642	RCHRES 258	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4108	RCHRES 261	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0075	RCHRES 262	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.5042	RCHRES 263	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.67	RCHRES 264	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.5525	RCHRES 265	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0317	RCHRES 267	EXTNL	IVOL

PERLND	40	PWATER	IFWO	1	0.4867	RCHRES 270	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.345	RCHRES 271	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4575	RCHRES 272	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.5125	RCHRES 273	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.0442	RCHRES 274	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1592	RCHRES 278	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1358	RCHRES 279	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	2.2333	RCHRES 280	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.2167	RCHRES 285	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.9683	RCHRES 286	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1183	RCHRES 287	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.2508	RCHRES 288	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.71	RCHRES 289	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	2.5058	RCHRES 290	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0133	RCHRES 291	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.5283	RCHRES 292	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.41	RCHRES 293	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4758	RCHRES 294	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	2.0467	RCHRES 295	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.2067	RCHRES 296	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	3.4417	RCHRES 297	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.8233	RCHRES 298	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1283	RCHRES 299	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.3875	RCHRES 304	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	2.2717	RCHRES 315	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1217	RCHRES 317	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.69	RCHRES 319	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.5975	RCHRES 320	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.9008	RCHRES 321	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.035	RCHRES 322	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0058	RCHRES 323	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4433	RCHRES 324	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	1.2958	RCHRES 326	EXTNL	IVOL

PERLND	40	PWATER	IFWO	1	0.0058	RCHRES 327	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.8625	RCHRES 331	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0125	RCHRES 332	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1833	RCHRES 334	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.6033	RCHRES 335	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.045	RCHRES 339	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.595	RCHRES 342	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.045	RCHRES 344	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0283	RCHRES 348	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.2142	RCHRES 349	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1217	RCHRES 351	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0408	RCHRES 353	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.23	RCHRES 357	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0575	RCHRES 362	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0467	RCHRES 367	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.8208	RCHRES 372	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0408	RCHRES 375	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0267	RCHRES 377	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.125	RCHRES 378	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.0267	RCHRES 383	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.2775	RCHRES 385	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4142	RCHRES 397	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.1192	RCHRES 401	EXTNL	IVOL
PERLND	40	PWATER	IFWO	1	0.4283	RCHRES 404	EXTNL	IVOL

PERLND	25	PWATER	SURO	1	0.4425	RCHRES 208	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.6033	RCHRES 209	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.275	RCHRES 211	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.4725	RCHRES 216	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.8683	RCHRES 218	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.1183	RCHRES 219	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.335	RCHRES 220	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2275	RCHRES 222	EXTNL	IVOL

PERLND 25 PWATER SURO 1	0.6408	RCHRES 223	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.6292	RCHRES 225	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.2975	RCHRES 226	EXTNL IVOL
PERLND 25 PWATER SURO 1	3.3642	RCHRES 227	EXTNL IVOL
PERLND 25 PWATER SURO 1	3.9292	RCHRES 228	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.1233	RCHRES 229	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.1883	RCHRES 230	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.9483	RCHRES 232	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.3508	RCHRES 233	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.2683	RCHRES 234	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.285	RCHRES 236	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.3608	RCHRES 237	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.465	RCHRES 238	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.4458	RCHRES 239	EXTNL IVOL
PERLND 25 PWATER SURO 1	4.4708	RCHRES 240	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.86	RCHRES 241	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.8175	RCHRES 242	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.1725	RCHRES 243	EXTNL IVOL
PERLND 25 PWATER SURO 1	4.1258	RCHRES 244	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.2775	RCHRES 245	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.0125	RCHRES 246	EXTNL IVOL
PERLND 25 PWATER SURO 1	3.2817	RCHRES 247	EXTNL IVOL
PERLND 25 PWATER SURO 1	1.6333	RCHRES 248	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.9717	RCHRES 250	EXTNL IVOL
PERLND 25 PWATER SURO 1	5.3358	RCHRES 251	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.7983	RCHRES 252	EXTNL IVOL
PERLND 25 PWATER SURO 1	4.7383	RCHRES 253	EXTNL IVOL
PERLND 25 PWATER SURO 1	2.2133	RCHRES 254	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.4142	RCHRES 255	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.4417	RCHRES 256	EXTNL IVOL
PERLND 25 PWATER SURO 1	4.3258	RCHRES 257	EXTNL IVOL
PERLND 25 PWATER SURO 1	0.7375	RCHRES 258	EXTNL IVOL
PERLND 25 PWATER SURO 1	3.1775	RCHRES 259	EXTNL IVOL

PERLND	25	PWATER	SURO	1	2.755	RCHRES 260	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.2492	RCHRES 261	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.1767	RCHRES 262	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.8125	RCHRES 263	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.8217	RCHRES 265	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2017	RCHRES 266	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.3167	RCHRES 267	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.03	RCHRES 269	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	3.6042	RCHRES 270	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.4867	RCHRES 271	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.8875	RCHRES 272	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.1233	RCHRES 273	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	3.9492	RCHRES 274	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.6408	RCHRES 275	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	3.8892	RCHRES 276	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	3.3133	RCHRES 278	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.5217	RCHRES 279	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.4525	RCHRES 280	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.5692	RCHRES 285	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.275	RCHRES 286	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2267	RCHRES 288	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.4342	RCHRES 289	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2325	RCHRES 290	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.6842	RCHRES 293	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.3992	RCHRES 294	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.5492	RCHRES 296	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.3442	RCHRES 297	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.5275	RCHRES 299	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.3458	RCHRES 300	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.9917	RCHRES 301	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.6125	RCHRES 302	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.995	RCHRES 303	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.4533	RCHRES 304	EXTNL	IVOL

PERLND	25	PWATER	SURO	1	0.8575	RCHRES 305	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.0358	RCHRES 306	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.5925	RCHRES 307	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.7175	RCHRES 308	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.6725	RCHRES 310	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.4258	RCHRES 311	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.9642	RCHRES 312	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.4017	RCHRES 313	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.8275	RCHRES 314	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.71	RCHRES 315	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.1192	RCHRES 316	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.1833	RCHRES 318	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.8175	RCHRES 319	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.24	RCHRES 320	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2575	RCHRES 321	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.2133	RCHRES 326	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.9308	RCHRES 327	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.1858	RCHRES 328	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.4342	RCHRES 329	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	3.7408	RCHRES 330	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.3375	RCHRES 331	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	2.0567	RCHRES 332	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.6892	RCHRES 333	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.5425	RCHRES 335	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.1417	RCHRES 336	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.3783	RCHRES 337	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.5592	RCHRES 338	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	1.6458	RCHRES 340	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.005	RCHRES 341	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.2125	RCHRES 342	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	0.1308	RCHRES 343	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	5.6625	RCHRES 344	EXTNL	IVOL
PERLND	25	PWATER	SURO	1	5.4333	RCHRES 345	EXTNL	IVOL

PERLND	25	PWATER	SURO	1	1.2625	RCHRES 346	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.02	RCHRES 347	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.2233	RCHRES 348	EXTNL IVOL
PERLND	25	PWATER	SURO	1	2.735	RCHRES 349	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.9067	RCHRES 351	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.0183	RCHRES 352	EXTNL IVOL
PERLND	25	PWATER	SURO	1	4.0592	RCHRES 353	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.565	RCHRES 357	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.945	RCHRES 358	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.0792	RCHRES 359	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.3775	RCHRES 362	EXTNL IVOL
PERLND	25	PWATER	SURO	1	2.06	RCHRES 363	EXTNL IVOL
PERLND	25	PWATER	SURO	1	2.1992	RCHRES 364	EXTNL IVOL
PERLND	25	PWATER	SURO	1	4.2708	RCHRES 365	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.9725	RCHRES 366	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.3917	RCHRES 367	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.7292	RCHRES 368	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.4125	RCHRES 369	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.1367	RCHRES 371	EXTNL IVOL
PERLND	25	PWATER	SURO	1	2.0833	RCHRES 372	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.3892	RCHRES 373	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.4608	RCHRES 374	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.2775	RCHRES 375	EXTNL IVOL
PERLND	25	PWATER	SURO	1	3.7008	RCHRES 377	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.5008	RCHRES 378	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.0458	RCHRES 381	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.0558	RCHRES 382	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.6867	RCHRES 383	EXTNL IVOL
PERLND	25	PWATER	SURO	1	4.5067	RCHRES 385	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.9583	RCHRES 388	EXTNL IVOL
PERLND	25	PWATER	SURO	1	4.1225	RCHRES 389	EXTNL IVOL
PERLND	25	PWATER	SURO	1	0.3233	RCHRES 393	EXTNL IVOL
PERLND	25	PWATER	SURO	1	1.6967	RCHRES 397	EXTNL IVOL

PERLND	25	PWATER SURO	1	4.8642	RCHRES 401	EXTNL IVOL
PERLND	25	PWATER SURO	1	0.0267	RCHRES 402	EXTNL IVOL
PERLND	25	PWATER SURO	1	0.2492	RCHRES 404	EXTNL IVOL
PERLND	25	PWATER SURO	1	0.1658	RCHRES 415	EXTNL IVOL
PERLND	25	PWATER SURO	1	1.29	RCHRES 416	EXTNL IVOL
PERLND	25	PWATER SURO	1	0.8467	RCHRES 421	EXTNL IVOL

*** no interflow counted for urban area

***PERLND	25	PWATER IFWO	1	0.6033	RCHRES 209	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.275	RCHRES 211	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.4425	RCHRES 208	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.4725	RCHRES 216	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.8683	RCHRES 218	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.1183	RCHRES 219	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.335	RCHRES 220	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.2275	RCHRES 222	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.6408	RCHRES 223	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.6292	RCHRES 225	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.2975	RCHRES 226	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	3.3642	RCHRES 227	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	3.9292	RCHRES 228	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.1233	RCHRES 229	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.1883	RCHRES 230	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.9483	RCHRES 232	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.3508	RCHRES 233	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.2683	RCHRES 234	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.285	RCHRES 236	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.3608	RCHRES 237	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.465	RCHRES 238	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	1.4458	RCHRES 239	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	4.4708	RCHRES 240	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.86	RCHRES 241	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	0.8175	RCHRES 242	EXTNL IVOL
***PERLND	25	PWATER IFWO	1	2.1725	RCHRES 243	EXTNL IVOL

***PERLND	25	PWATER	IFWO	1	4.1258	RCHRES 244	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.2775	RCHRES 245	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.0125	RCHRES 246	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.2817	RCHRES 247	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6333	RCHRES 248	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.9717	RCHRES 250	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	5.3358	RCHRES 251	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.7983	RCHRES 252	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.7383	RCHRES 253	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.2133	RCHRES 254	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4142	RCHRES 255	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4417	RCHRES 256	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.3258	RCHRES 257	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.7375	RCHRES 258	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.1775	RCHRES 259	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.755	RCHRES 260	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.2492	RCHRES 261	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.1767	RCHRES 262	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.8125	RCHRES 263	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.8217	RCHRES 265	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2017	RCHRES 266	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3167	RCHRES 267	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.03	RCHRES 269	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.6042	RCHRES 270	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4867	RCHRES 271	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.8875	RCHRES 272	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1233	RCHRES 273	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.9492	RCHRES 274	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6408	RCHRES 275	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.8892	RCHRES 276	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.3133	RCHRES 278	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.5217	RCHRES 279	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4525	RCHRES 280	EXTNL	IVOL

***PERLND	25	PWATER	IFWO	1	2.5692	RCHRES 285	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.275	RCHRES 286	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2267	RCHRES 288	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.4342	RCHRES 289	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2325	RCHRES 290	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6842	RCHRES 293	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3992	RCHRES 294	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.5492	RCHRES 296	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3442	RCHRES 297	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.5275	RCHRES 299	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.3458	RCHRES 300	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.9917	RCHRES 301	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.6125	RCHRES 302	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.995	RCHRES 303	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4533	RCHRES 304	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.8575	RCHRES 305	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.0358	RCHRES 306	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.5925	RCHRES 307	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.7175	RCHRES 308	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.6725	RCHRES 310	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4258	RCHRES 311	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.9642	RCHRES 312	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.4017	RCHRES 313	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.8275	RCHRES 314	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.71	RCHRES 315	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.1192	RCHRES 316	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1833	RCHRES 318	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.8175	RCHRES 319	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.24	RCHRES 320	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2575	RCHRES 321	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.2133	RCHRES 326	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.9308	RCHRES 327	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1858	RCHRES 328	EXTNL	IVOL

***PERLND	25	PWATER	IFWO	1	0.4342	RCHRES 329	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.7408	RCHRES 330	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3375	RCHRES 331	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.0567	RCHRES 332	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6892	RCHRES 333	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.5425	RCHRES 335	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1417	RCHRES 336	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3783	RCHRES 337	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.5592	RCHRES 338	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6458	RCHRES 340	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.005	RCHRES 341	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2125	RCHRES 342	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1308	RCHRES 343	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	5.6625	RCHRES 344	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	5.4333	RCHRES 345	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.2625	RCHRES 346	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.02	RCHRES 347	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2233	RCHRES 348	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.735	RCHRES 349	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.9067	RCHRES 351	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.0183	RCHRES 352	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.0592	RCHRES 353	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.565	RCHRES 357	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.945	RCHRES 358	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.0792	RCHRES 359	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3775	RCHRES 362	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.06	RCHRES 363	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.1992	RCHRES 364	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.2708	RCHRES 365	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.9725	RCHRES 366	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3917	RCHRES 367	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.7292	RCHRES 368	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.4125	RCHRES 369	EXTNL	IVOL

***PERLND	25	PWATER	IFWO	1	1.1367	RCHRES 371	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	2.0833	RCHRES 372	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3892	RCHRES 373	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.4608	RCHRES 374	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2775	RCHRES 375	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	3.7008	RCHRES 377	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.5008	RCHRES 378	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.0458	RCHRES 381	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.0558	RCHRES 382	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.6867	RCHRES 383	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.5067	RCHRES 385	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.9583	RCHRES 388	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.1225	RCHRES 389	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.3233	RCHRES 393	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.6967	RCHRES 397	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	4.8642	RCHRES 401	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.0267	RCHRES 402	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.2492	RCHRES 404	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.1658	RCHRES 415	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	1.29	RCHRES 416	EXTNL	IVOL
***PERLND	25	PWATER	IFWO	1	0.8467	RCHRES 421	EXTNL	IVOL

PERLND	20	PWATER	SURO	1	0.6767	RCHRES 211	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.14	RCHRES 219	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.6842	RCHRES 220	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.4808	RCHRES 223	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.04	RCHRES 225	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0733	RCHRES 226	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.1575	RCHRES 227	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.4117	RCHRES 232	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.5	RCHRES 233	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0958	RCHRES 234	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0875	RCHRES 236	EXTNL	IVOL

PERLND	20	PWATER	SURO	1	0.1225	RCHRES 237	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	3.1117	RCHRES 238	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.6292	RCHRES 240	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	2.8667	RCHRES 241	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0233	RCHRES 242	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.6567	RCHRES 244	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	3.3175	RCHRES 245	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	3.0375	RCHRES 246	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.5683	RCHRES 247	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.3108	RCHRES 248	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.8442	RCHRES 250	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.7817	RCHRES 251	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.7558	RCHRES 253	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.125	RCHRES 254	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0975	RCHRES 255	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.1492	RCHRES 256	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	3.7217	RCHRES 257	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.7692	RCHRES 258	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.0833	RCHRES 259	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.5067	RCHRES 260	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.2367	RCHRES 261	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.6883	RCHRES 262	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.6767	RCHRES 265	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	2.1792	RCHRES 266	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.435	RCHRES 267	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.3158	RCHRES 269	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.5967	RCHRES 270	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.2408	RCHRES 271	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.7608	RCHRES 272	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.2242	RCHRES 273	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	2.4667	RCHRES 274	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	1.7075	RCHRES 275	EXTNL	IVOL
PERLND	20	PWATER	SURO	1	0.4933	RCHRES 278	EXTNL	IVOL

PERLND	20	PWATER	SURO	1	0.1417	RCHRES 279	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0767	RCHRES 285	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.2008	RCHRES 286	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.2333	RCHRES 288	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.2675	RCHRES 289	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.03	RCHRES 293	EXTNL IVOL
PERLND	20	PWATER	SURO	1	2.8525	RCHRES 294	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.2767	RCHRES 296	EXTNL IVOL
PERLND	20	PWATER	SURO	1	3.8225	RCHRES 299	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.5108	RCHRES 300	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.14	RCHRES 303	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.9533	RCHRES 304	EXTNL IVOL
PERLND	20	PWATER	SURO	1	2.3042	RCHRES 315	EXTNL IVOL
PERLND	20	PWATER	SURO	1	4.2242	RCHRES 319	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0092	RCHRES 321	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.7092	RCHRES 326	EXTNL IVOL
PERLND	20	PWATER	SURO	1	2.5633	RCHRES 330	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.165	RCHRES 331	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.2742	RCHRES 335	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.9083	RCHRES 340	EXTNL IVOL
PERLND	20	PWATER	SURO	1	3.1708	RCHRES 344	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0617	RCHRES 348	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.7158	RCHRES 349	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.1408	RCHRES 351	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.3092	RCHRES 353	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.5	RCHRES 357	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.1342	RCHRES 362	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0375	RCHRES 364	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.1792	RCHRES 365	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.08	RCHRES 366	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.04	RCHRES 367	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0075	RCHRES 369	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.1233	RCHRES 371	EXTNL IVOL

PERLND	20	PWATER	SURO	1	0.4533	RCHRES 372	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.29	RCHRES 373	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.1642	RCHRES 375	EXTNL IVOL
PERLND	20	PWATER	SURO	1	1.0267	RCHRES 377	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.7342	RCHRES 378	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.3058	RCHRES 385	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.695	RCHRES 397	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.6183	RCHRES 401	EXTNL IVOL
PERLND	20	PWATER	SURO	1	0.0367	RCHRES 404	EXTNL IVOL

PERLND	20	PWATER	IFWO	1	0.6767	RCHRES 211	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.14	RCHRES 219	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.6842	RCHRES 220	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.4808	RCHRES 223	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.04	RCHRES 225	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.0733	RCHRES 226	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.1575	RCHRES 227	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.4117	RCHRES 232	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.5	RCHRES 233	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.0958	RCHRES 234	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.0875	RCHRES 236	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.1225	RCHRES 237	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	3.1117	RCHRES 238	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.6292	RCHRES 240	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	2.8667	RCHRES 241	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.0233	RCHRES 242	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.6567	RCHRES 244	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	3.3175	RCHRES 245	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	3.0375	RCHRES 246	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.5683	RCHRES 247	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	0.3108	RCHRES 248	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	1.8442	RCHRES 250	EXTNL IVOL
PERLND	20	PWATER	IFWO	1	1.7817	RCHRES 251	EXTNL IVOL

PERLND	20	PWATER	IFWO	1	0.7558	RCHRES 253	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.125	RCHRES 254	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0975	RCHRES 255	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1492	RCHRES 256	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	3.7217	RCHRES 257	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.7692	RCHRES 258	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0833	RCHRES 259	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.5067	RCHRES 260	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.2367	RCHRES 261	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.6883	RCHRES 262	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.6767	RCHRES 265	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	2.1792	RCHRES 266	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.435	RCHRES 267	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.3158	RCHRES 269	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.5967	RCHRES 270	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.2408	RCHRES 271	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.7608	RCHRES 272	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.2242	RCHRES 273	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	2.4667	RCHRES 274	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.7075	RCHRES 275	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.4933	RCHRES 278	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1417	RCHRES 279	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0767	RCHRES 285	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.2008	RCHRES 286	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.2333	RCHRES 288	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.2675	RCHRES 289	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.03	RCHRES 293	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	2.8525	RCHRES 294	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.2767	RCHRES 296	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	3.8225	RCHRES 299	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.5108	RCHRES 300	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.14	RCHRES 303	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.9533	RCHRES 304	EXTNL	IVOL

PERLND	20	PWATER	IFWO	1	2.3042	RCHRES 315	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	4.2242	RCHRES 319	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0092	RCHRES 321	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.7092	RCHRES 326	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	2.5633	RCHRES 330	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.165	RCHRES 331	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.2742	RCHRES 335	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.9083	RCHRES 340	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	3.1708	RCHRES 344	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0617	RCHRES 348	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.7158	RCHRES 349	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1408	RCHRES 351	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.3092	RCHRES 353	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.5	RCHRES 357	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1342	RCHRES 362	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0375	RCHRES 364	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1792	RCHRES 365	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.08	RCHRES 366	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.04	RCHRES 367	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0075	RCHRES 369	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1233	RCHRES 371	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.4533	RCHRES 372	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.29	RCHRES 373	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.1642	RCHRES 375	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	1.0267	RCHRES 377	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.7342	RCHRES 378	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.3058	RCHRES 385	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.695	RCHRES 397	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.6183	RCHRES 401	EXTNL	IVOL
PERLND	20	PWATER	IFWO	1	0.0367	RCHRES 404	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	2.6908	RCHRES 206	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.63	RCHRES 207	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	1.3192	RCHRES 208	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.1867	RCHRES 209	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.4042	RCHRES 210	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2633	RCHRES 211	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.05	RCHRES 214	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0067	RCHRES 215	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6767	RCHRES 216	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6408	RCHRES 217	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.3175	RCHRES 218	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3117	RCHRES 219	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0642	RCHRES 220	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3175	RCHRES 221	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1075	RCHRES 222	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	2.145	RCHRES 223	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.78	RCHRES 224	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8267	RCHRES 225	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.52	RCHRES 226	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7333	RCHRES 227	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3617	RCHRES 228	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4017	RCHRES 229	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3833	RCHRES 230	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0317	RCHRES 231	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6158	RCHRES 232	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0925	RCHRES 233	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2292	RCHRES 234	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1108	RCHRES 236	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1683	RCHRES 237	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2275	RCHRES 238	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4717	RCHRES 239	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8933	RCHRES 240	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2792	RCHRES 241	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1175	RCHRES 242	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6692	RCHRES 243	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	1.2367	RCHRES 244	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0058	RCHRES 245	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0767	RCHRES 246	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0333	RCHRES 247	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.025	RCHRES 248	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2475	RCHRES 250	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3392	RCHRES 251	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3492	RCHRES 252	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4842	RCHRES 253	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.125	RCHRES 254	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0467	RCHRES 255	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0175	RCHRES 256	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.17	RCHRES 257	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0942	RCHRES 258	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0542	RCHRES 259	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1675	RCHRES 260	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0708	RCHRES 261	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1483	RCHRES 262	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5508	RCHRES 263	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1142	RCHRES 264	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1033	RCHRES 265	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1417	RCHRES 266	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0275	RCHRES 267	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0175	RCHRES 269	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4575	RCHRES 270	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0258	RCHRES 271	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.075	RCHRES 272	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0892	RCHRES 273	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4683	RCHRES 274	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0233	RCHRES 275	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.5433	RCHRES 276	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.085	RCHRES 278	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.5542	RCHRES 279	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	0.4608	RCHRES 280	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.025	RCHRES 282	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.5925	RCHRES 285	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0917	RCHRES 286	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0275	RCHRES 287	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1525	RCHRES 288	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3592	RCHRES 289	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2683	RCHRES 290	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0433	RCHRES 291	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0292	RCHRES 292	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8742	RCHRES 293	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1258	RCHRES 294	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2375	RCHRES 295	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1925	RCHRES 296	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.17	RCHRES 297	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1317	RCHRES 298	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.02	RCHRES 299	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0308	RCHRES 300	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	2.0058	RCHRES 301	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.3075	RCHRES 302	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0317	RCHRES 303	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1308	RCHRES 304	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7683	RCHRES 305	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2392	RCHRES 306	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.715	RCHRES 307	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4075	RCHRES 308	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0125	RCHRES 309	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4633	RCHRES 310	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.5758	RCHRES 311	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.2808	RCHRES 312	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.5733	RCHRES 313	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.445	RCHRES 314	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1767	RCHRES 315	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	1.1592	RCHRES 316	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6808	RCHRES 317	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8933	RCHRES 318	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3558	RCHRES 319	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3083	RCHRES 320	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0067	RCHRES 321	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5517	RCHRES 322	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.645	RCHRES 325	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0575	RCHRES 326	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.2608	RCHRES 327	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6575	RCHRES 328	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4767	RCHRES 329	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1267	RCHRES 330	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1033	RCHRES 331	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3517	RCHRES 332	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.85	RCHRES 333	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2058	RCHRES 335	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0708	RCHRES 336	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2608	RCHRES 337	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6792	RCHRES 338	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5458	RCHRES 339	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2383	RCHRES 340	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8517	RCHRES 341	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5867	RCHRES 342	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1192	RCHRES 343	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5192	RCHRES 344	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	2.7608	RCHRES 345	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.9658	RCHRES 346	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4808	RCHRES 347	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.94	RCHRES 348	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.285	RCHRES 349	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6183	RCHRES 350	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.5075	RCHRES 351	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	0.0408	RCHRES 352	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.16	RCHRES 353	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1083	RCHRES 354	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6142	RCHRES 355	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6367	RCHRES 356	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.015	RCHRES 357	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8875	RCHRES 358	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7042	RCHRES 359	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6317	RCHRES 360	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2317	RCHRES 361	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0158	RCHRES 362	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.975	RCHRES 363	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0642	RCHRES 364	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8883	RCHRES 365	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2358	RCHRES 366	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1675	RCHRES 367	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.9858	RCHRES 368	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1967	RCHRES 369	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0042	RCHRES 370	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7692	RCHRES 371	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1842	RCHRES 372	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0825	RCHRES 373	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7642	RCHRES 374	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0242	RCHRES 375	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1692	RCHRES 377	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.165	RCHRES 378	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2842	RCHRES 379	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.2892	RCHRES 380	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6125	RCHRES 381	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.1508	RCHRES 382	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.9108	RCHRES 383	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2258	RCHRES 385	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0367	RCHRES 386	EXTNL	IVOL

IMPLND	11	IWATER	SURS	1	1.1542	RCHRES 388	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.4275	RCHRES 389	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8267	RCHRES 390	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4042	RCHRES 393	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	3.7142	RCHRES 394	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.535	RCHRES 397	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.1642	RCHRES 398	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.1325	RCHRES 400	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.0008	RCHRES 401	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.6217	RCHRES 402	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.8008	RCHRES 403	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.7308	RCHRES 404	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.6108	RCHRES 405	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2733	RCHRES 406	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.4975	RCHRES 407	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.9717	RCHRES 408	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	1.1967	RCHRES 409	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.0775	RCHRES 415	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.34	RCHRES 416	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.2967	RCHRES 420	EXTNL	IVOL
IMPLND	11	IWATER	SURS	1	0.3775	RCHRES 421	EXTNL	IVOL

*** PLTGEN OUTPUT

*** VOL for volume in reach segment, ac-ft

*** RO for Total rate of outflow from RCHRES, cfs

*** O for Rates of outflow through individual exits, cfs

*** Output Time Series to a List File - PLTGEN

*** Group INPUT

*** PLTGEN OUTPUT

***** City of Spokane Valley - COV*****

**** Glenrose main in south

<-Volume> <-Grp> <-Member><--Mult-->Tran <-Target vols> <-Grp> <-Member> ***
<Name> # <Name> ##<-factor>strg <Name> # # <Name> ## ***

RCHRES 244 HYDR ROVOL 1 12.1 PLTGEN 1 INPUT MEAN 1

**** Bettman in southeast

RCHRES 239 HYDR ROVOL 1 12.1 PLTGEN 1 INPUT MEAN 2

**** Centralpark in east

RCHRES 231 HYDR ROVOL 1 12.1 PLTGEN 1 INPUT MEAN 3

**** Outlet of COV

RCHRES 210 HYDR ROVOL 1 12.1 PLTGEN 1 INPUT MEAN 4

**** Tributary upper reach of Central park, for hydraulic modeling purpose

RCHRES 229 HYDR OVOL 1 12.1 PLTGEN 1 INPUT MEAN 5

**** Loactions of interest, confluence at S Carnahan Rd and E 8th Ave.

<-Volume> <-Grp> <-Member><--Mult-->Tran <-Target vols> <-Grp> <-Member> ***
<Name> # <Name> ##<-factor>strg <Name> # # <Name> ## ***

RCHRES 218 HYDR OVOL 1 12.1 PLTGEN 4 INPUT MEAN 1

RCHRES 208 HYDR OVOL 1 12.1 PLTGEN 4 INPUT MEAN 2

RCHRES 415 HYDR ROVOL 1 12.1 PLTGEN 4 INPUT MEAN 3

RCHRES 216 HYDR OVOL 1 12.1 PLTGEN 4 INPUT MEAN 4

*****County*****

**** Glenrose main entering County 301+305

RCHRES 301 HYDR OVOL 1 12.1 PLTGEN 2 INPUT MEAN 1

RCHRES 305 HYDR OVOL 1 12.1 PLTGEN 2 INPUT MEAN 2

**** Trib-south in east

RCHRES 290 HYDR ROVOL 1 12.1 PLTGEN 2 INPUT MEAN 3

**** Trib-north in east

RCHRES 264 HYDR ROVOL 1 12.1 PLTGEN 2 INPUT MEAN 4

**** Trib-south, last streamsegment of Bedrock-UNDEVELOPED

RCHRES 320 HYDR OVOL 1 12.1 PLTGEN 2 INPUT MEAN 5

*****Spokane-COS*****

**** start to entering paleochannel - Glenrose upstream

RCHRES 379 HYDR VOL 1 12.1 PLTGEN 3 INPUT MEAN 1

**** one trib. downstream

RCHRES 313 HYDR OVOL 1 12.1 PLTGEN 3 INPUT MEAN 2

**** E 42nd and S Regal

RCHRES 336 HYDR VOL 1 12.1 PLTGEN 3 INPUT MEAN 3

*****Entire
Watershed*****

**** snow depth

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***

<Name> # <Name> ##<-factor->strg <Name> # # <Name> ## ***

***PERLND 40 SNOW PDEPTH 1 PLTGEN 4 INPUT MEAN 3

***PERLND 25 SNOW PDEPTH 1 PLTGEN 4 INPUT MEAN 2

***PERLND 20 SNOW PDEPTH 1 PLTGEN 4 INPUT MEAN 1

***PERLND 41 SNOW PDEPTH 1 PLTGEN 4 INPUT MEAN 4

*****Pond_Storage*****
**

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***

<Name> # <Name> ##<-factor->strg <Name> # # <Name> ## ***

*** MAINSTEM - LOWER REACH

RCHRES 206 HYDR VOL 1 PLTGEN 5 INPUT MEAN 1

RCHRES 216 HYDR VOL 1 PLTGEN 5 INPUT MEAN 2

RCHRES 218 HYDR VOL 1 PLTGEN 5 INPUT MEAN 3

RCHRES 221 HYDR VOL 1 PLTGEN 5 INPUT MEAN 4

RCHRES 243 HYDR VOL 1 PLTGEN 5 INPUT MEAN 5

RCHRES 251 HYDR VOL 1 PLTGEN 5 INPUT MEAN 6

RCHRES 312 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	7
RCHRES 327 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	8
RCHRES 337 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	9
RCHRES 339 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	10
RCHRES 345 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	11
RCHRES 358 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	12
RCHRES 360 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	13
RCHRES 365 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	14
RCHRES 380 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	15
RCHRES 382 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	16
RCHRES 390 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	17
RCHRES 394 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	18
RCHRES 398 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	19
RCHRES 403 HYDR	VOL	1	PLTGEN	5	INPUT MEAN	20

END NETWORK

***EXT TARGETS

<-Volume> <-Grp> <-Member><--Mult-->Tran <-Volume> <Member> Tsys Aggr Amd

<Name> x <Name> x x<-factor-->strg <Name> x <Name>qf tem strg strg***

***RCHRES 239 HYDR RO 1 1 AVER WDM1 1035 FLOW 1 ENGL AGGR
REPL

***RCHRES 231 HYDR RO 1 1 AVER WDM1 1034 FLOW 1 ENGL AGGR
REPL

***RCHRES 280 HYDR RO 1 1 AVER WDM1 1032 FLOW 1 ENGL AGGR
REPL

***RCHRES 290 HYDR RO 1 1 AVER WDM1 1026 FLOW 1 ENGL AGGR
REPL

***RCHRES 305 HYDR RO 1 1 AVER WDM1 1031 FLOW 1 ENGL AGGR
REPL

*****RCHRES 244 HYDR RO 11 AVER WDM1 1033 FLOW 1 ENGL AGGR
REPL
***RCHRES 210 HYDR VOL 1 12.1 AVER WDM1 1033 FLOW 1 ENGL AGGR
REPL
***END EXT TARGETS**

PLTGEN

PLOTINFO

***** PIVL is the number of basic time intervals to be aggregated to get to the interval of the data written to the PLTGEN file.**

***** There are two special cases for PIVL: a PIVL of -1 causes a monthly PLTGEN file to be written. A PIVL of -2 causes an annual PLTGEN file to be written.**

- # FILE NPT NMN LABL PYR PIVL ***

1	40	0	5	1	9	-2
2	41	0	5	1	9	-2
3	42	0	3	1	9	-2
4	43	0	4	1	9	-2
5	44	0	4	1	9	-2

END PLOTINFO

GEN-LABELS

- #<-----Title-----> * <-----Y axis----->**

1	COV streamflow
2	County streamflow
3	Spokane Streamflow
4	COV-location of interest
5	Pond_Storages

***** 4 Snow Depth at PERLND**

END GEN-LABELS

SCALING

- # YMIN YMAX IVLIN ***

1 5 0. 100. 5.

END SCALING

*** Data 1

CURV-DATA

<-Curve label--> Line Intg Col Tran ***

- # type eqv code code ***

1 Glenrose-COV 1 1 MAX

2 Glenrose-Co-Trb1 1 1 MAX

3 Glenrose-COS 1 1 MAX

4 GRDS10024-218 1 1 MAX

*** 4 Perland_20 1 1 MAX

5 Pond_#1 1 1 MAX

END CURV-DATA

*** Data 2

CURV-DATA

<-Curve label--> Line Intg Col Tran ***

- # type eqv code code ***

1 Bettman-COV 1 1 MAX

2 Glenrose-CoMain 1 1 MAX

3 Glenrose-COS1. 1 1 MAX

4 8AVE60003-208 1 1 MAX

*** 4 Perland_25 1 1 MAX

5 Pond_#2 1 1 MAX

END CURV-DATA

*** Data 3

CURV-DATA

<-Curve label--> Line Intg Col Tran ***

- # type eqv code code ***

1 Centralpark-COV 1 1 MAX

2 Glenrose-Trib1 1 1 MAX

3 E42nd_and_SRegal 1 1 MAX

```

4      CPDS30012-415      1  1 MAX
*** 4      Perland_40      1  1 MAX
5      Pond_#3            1  1 MAX
END CURV-DATA

```

***** Data 4**

CURV-DATA

```

      <-Curve label--> Line Intg Col Tran ***
# - #      type eqv code code ***
1      Outlet-of-COV      1  1 MAX
2      Glenrose-Trib2     1  1 MAX
4      CPDS30503-216      1  1 MAX
*** 4      Perland_41     1  1 MAX
5      Pond_#4            1  1 MAX
END CURV-DATA

```

***** Data 5**

CURV-DATA

```

      <-Curve label--> Line Intg Col Tran ***
# - #      type eqv code code ***
1      CP_Trib            1  1 MAX
2      US_CoutyTrib_SE    1  1 MAX
END CURV-DATA

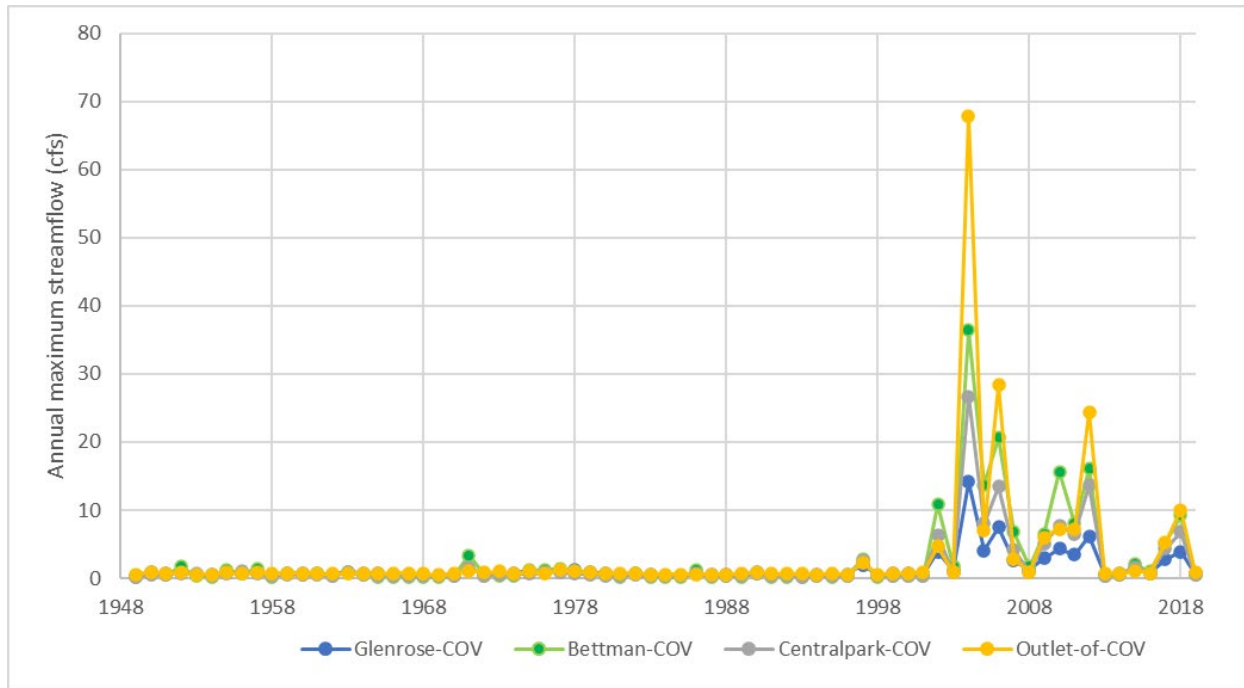
```

END PLTGEN

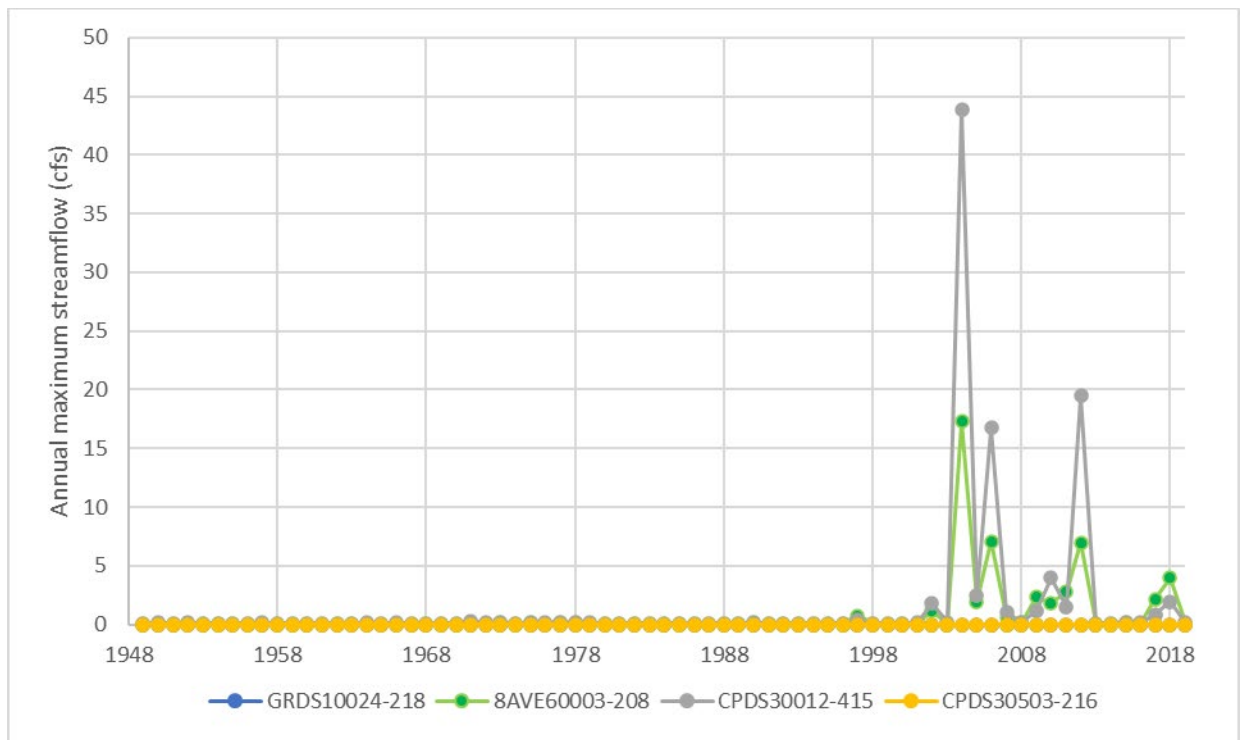
END RUN

Appendix C. Annual Maximum Streamflow Hydrograph from HSPF Model Simulation

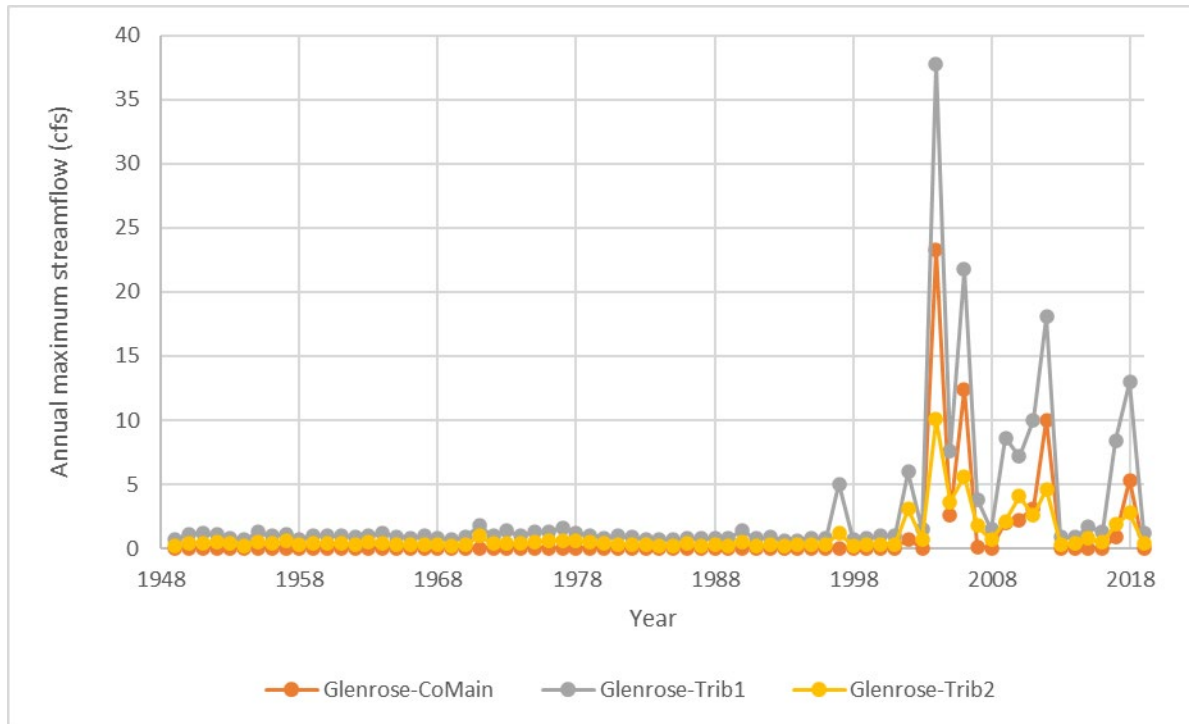
1. City of Spokane Valley -Inflows and Outflows



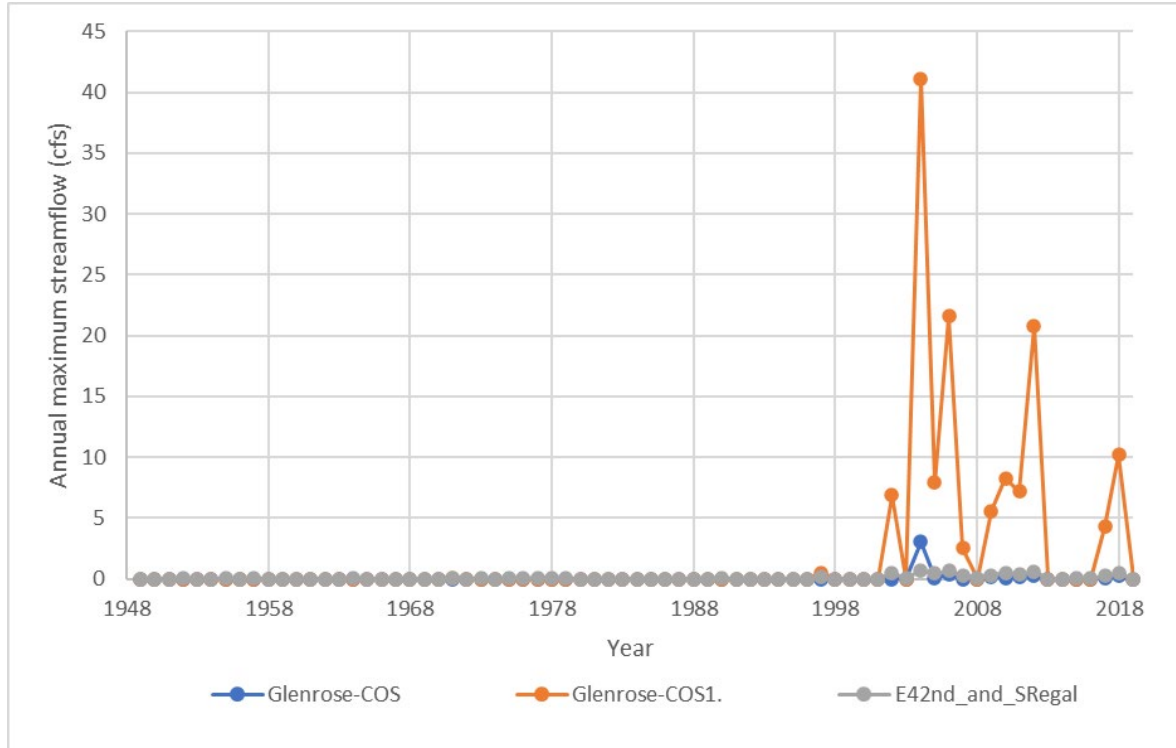
2. City of Spokane Valley -Locations of Interest around Gravel Pit on 8th Street



3. Spokane County



4. City of Spokane



Appendix D. Frequency Analysis and Curve Fitting

Appendix D-1 Frequency Analysis Approach

The probability-plot regression approach uses a probability-related variable as the explanatory variable in a regression relationship with either peak discharge or maximum water surface elevation (Stedinger et al., 1992). The probability-plot approach is summarized below.

1. The annual maxima flood discharge values were ranked from highest to lowest and assigned a recurrence interval according to the Gringorten Plotting Position (Equation 1).

$$Tr = \frac{N + 0.12}{i - 0.44} \quad (1)$$

Where: Tr is the recurrence interval of the peak (years),

i is the rank of the annual maxima peak ordered from highest to lowest,

N is the total number of years simulated (71 in this case).

2. A standardized variate (x) from the Extreme Value Type I distribution (Stedinger et al., 1992) was used as the explanatory variable (Equation 2), and was computed for each non-zero annual maximum. While variates from the Extreme Value Type I distribution were used for this analysis, other transforms, such as a simple logarithmic transform of the recurrence interval, can also be used as the explanatory variable in the regression approach.

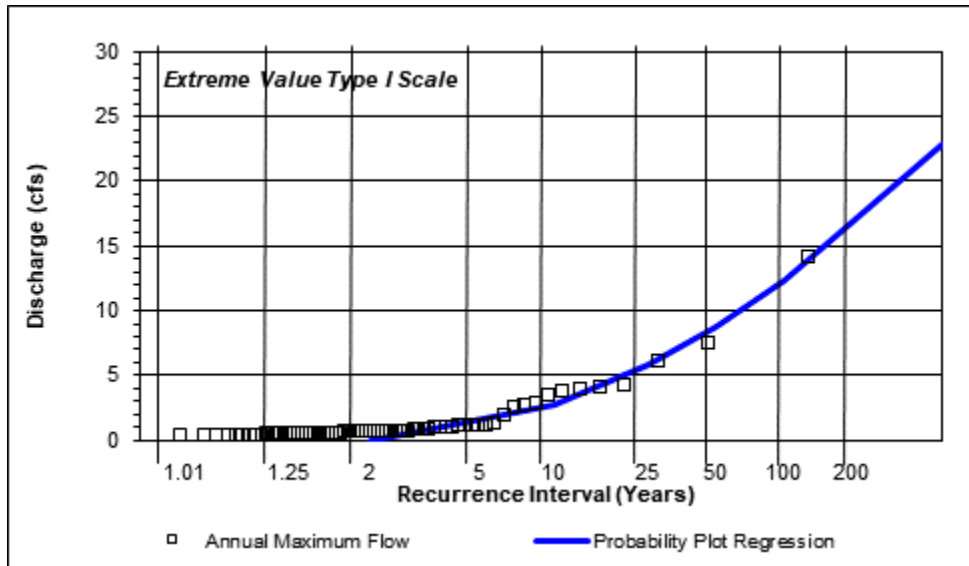
$$x = -0.7797 * \left\{ 0.5772 + LN \left(LN \left[\frac{Tr}{Tr - 1} \right] \right) \right\} \quad (2)$$

3. The annual maximum flood discharge values were then regressed upon the variates computed in Step 2 using either a linear function or second order polynomial. The resulting regression equation was then used to compute flood discharge values corresponding to the desired recurrence intervals (annual exceedance probabilities).

Appendix D-2 Frequency Analysis Results

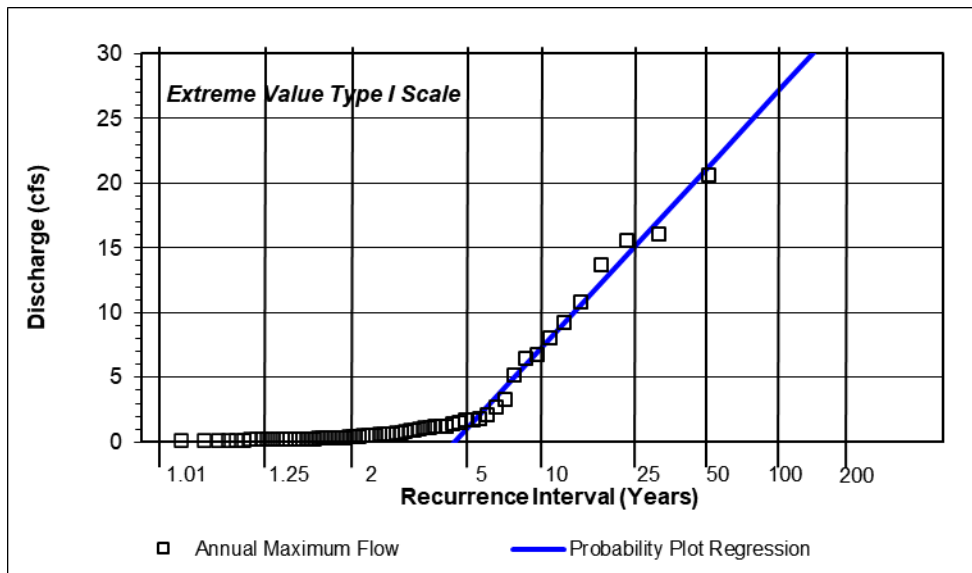
1. City of Spokane Valley -Inflows and Outflows

a. Glenrose-COV



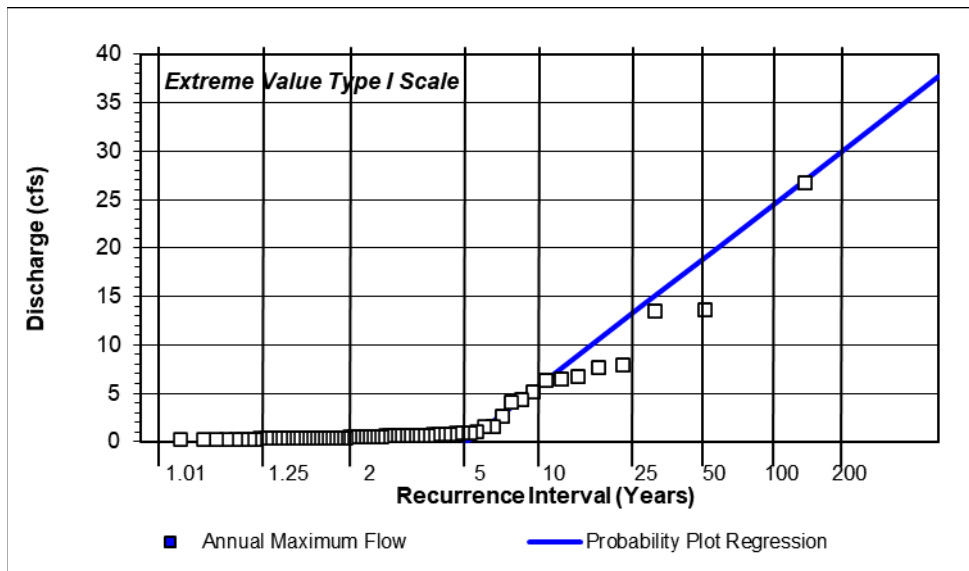
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	1	
	c	0.8	
	d	0	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-0.1
10	0.900	1.3046	2.7
25	0.960	2.0438	5.8
50	0.980	2.5923	8.8
100	0.990	3.1367	12.3
500	0.998	4.3947	22.8

b. Bettman-COV



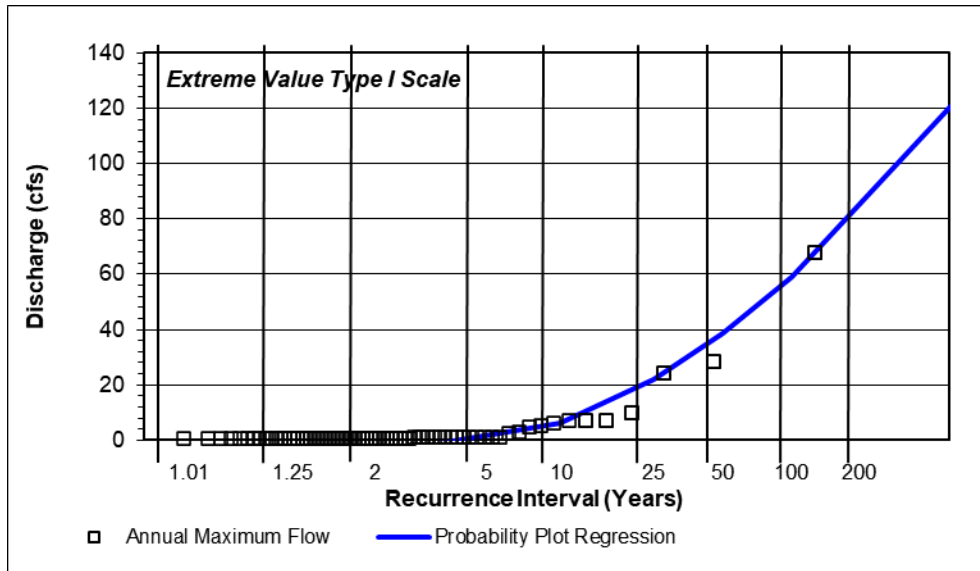
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0	
	c	10.5	
	d	-5.186	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-6.9
10	0.900	1.3046	8.5
25	0.960	2.0438	16.3
50	0.980	2.5923	22.0
100	0.990	3.1367	27.7
500	0.998	4.3947	41.0

c. Central Park-COV



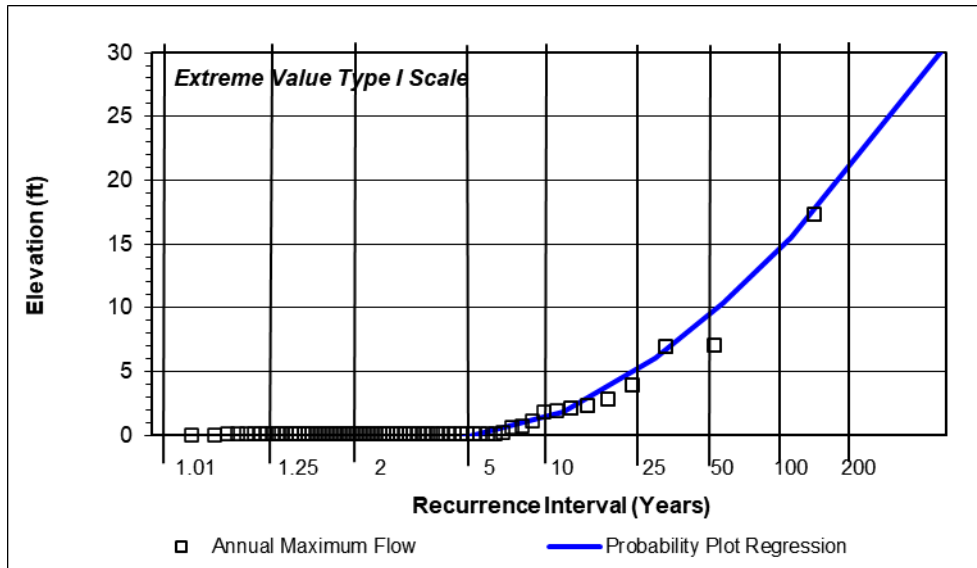
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0	
	c	10	
	d	-6.2	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-7.8
10	0.900	1.3046	6.8
25	0.960	2.0438	14.2
50	0.980	2.5923	19.7
100	0.990	3.1367	25.2
500	0.998	4.3947	37.7

a. Outlet of COV



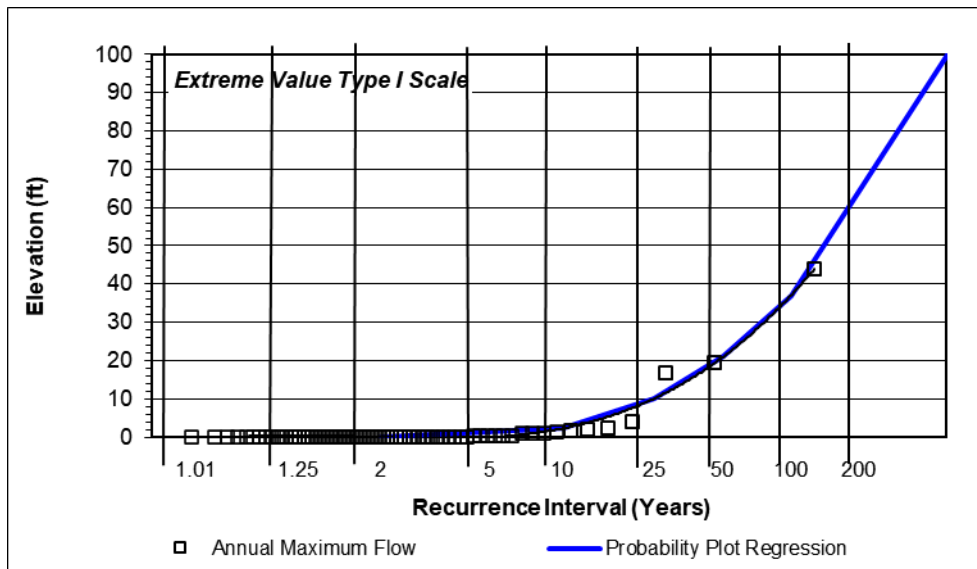
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	6.5	
	c	0	
	d	-5	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-4.8
10	0.900	1.3046	6.1
25	0.960	2.0438	22.2
50	0.980	2.5923	38.7
100	0.990	3.1367	59.0
500	0.998	4.3947	120.5

2. City of Spokane Valley – Confluence Flows at 8th St. Gravel Pit
 - a. GRDS10024-218 (no flow)
 - b. 8AVE60003-208



Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	1.5	
	c	0.8	
	d	-1.8	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Estimate
2	0.500	-0.1643	-1.89
10	0.900	1.3046	1.80
25	0.960	2.0438	6.10
50	0.980	2.5923	10.35
100	0.990	3.1367	15.47
500	0.998	4.3947	30.69

c. CPDS30012-415

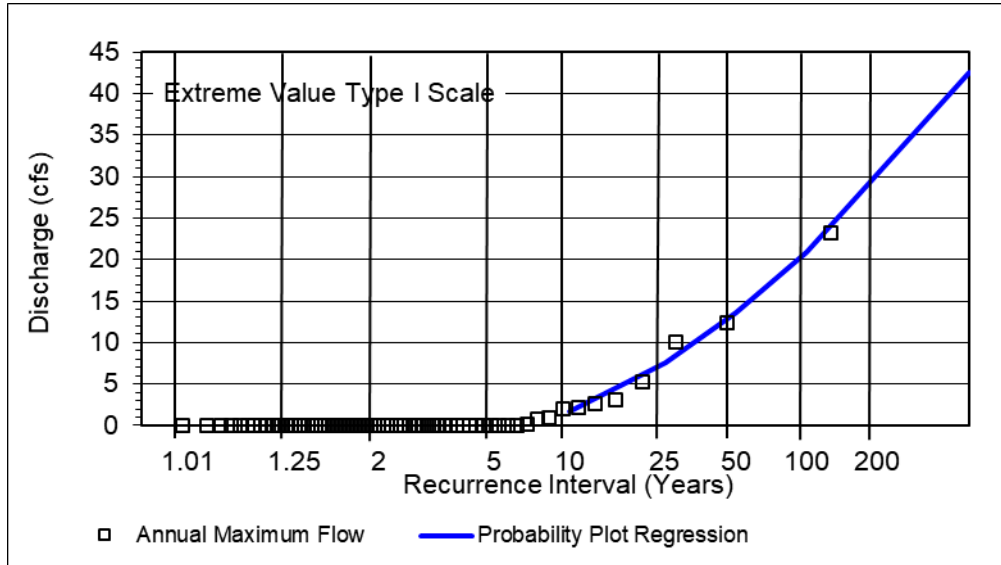


Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	1.05	
	b	0.78	
	c	-0.9	
	d	-0.2	
	Extreme		
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Estimate
2	0.500	-0.1643	-0.04
10	0.900	1.3046	2.28
25	0.960	2.0438	10.18
50	0.980	2.5923	21.00
100	0.990	3.1367	37.06
500	0.998	4.3947	100.03

d. CPDS30503-216 (no flow)

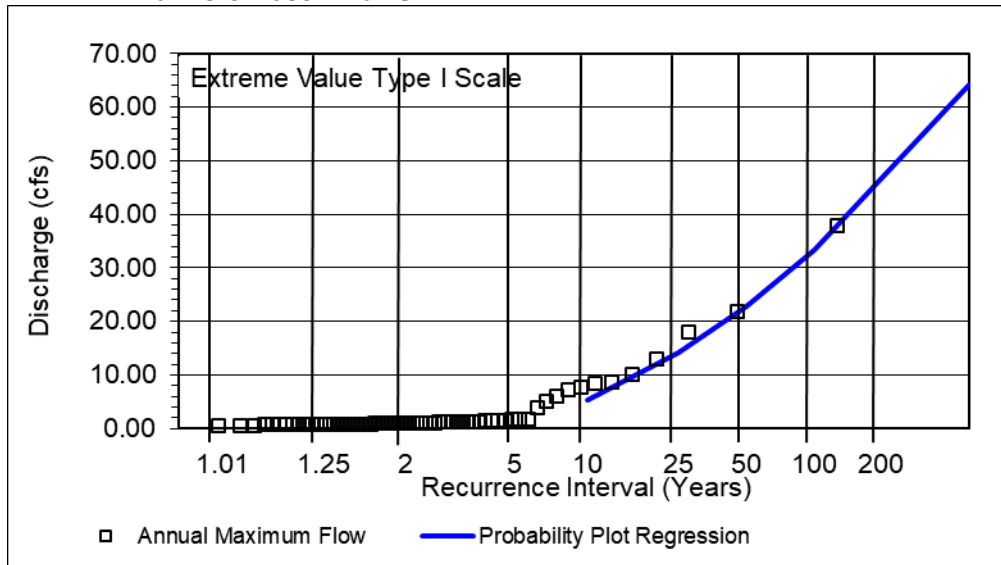
3. Spokane County

a. Glenrose-CoMain



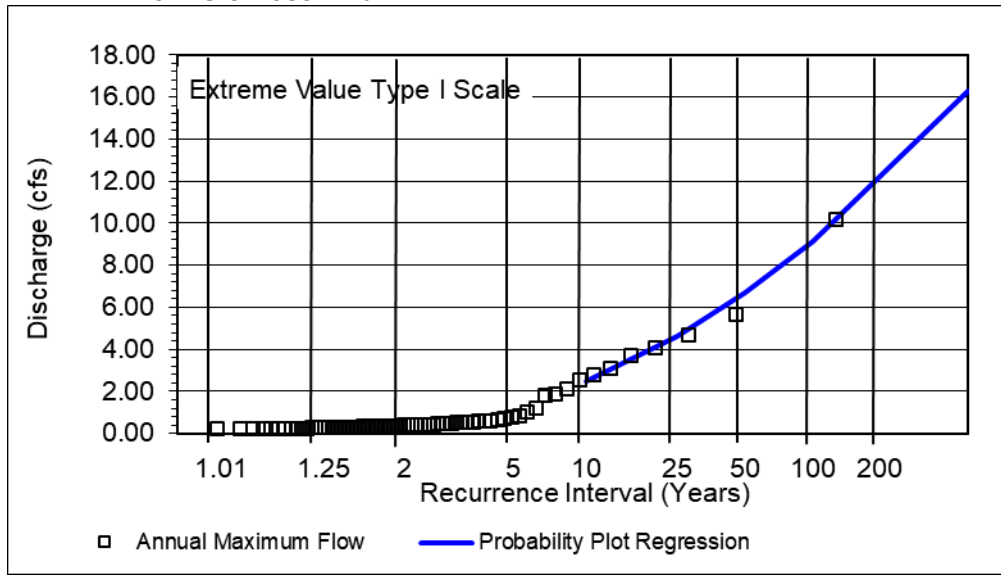
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	2.2	
	c	0.7	
	d	-3	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-3.1
10	0.900	1.3046	1.7
25	0.960	2.0438	7.6
50	0.980	2.5923	13.6
100	0.990	3.1367	20.8
500	0.998	4.3947	42.6

b. Glenrose-Trib1.SE



Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	3	
	c	2	
	d	-2.5	
	Extreme		
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-2.7
10	0.900	1.3046	5.2
25	0.960	2.0438	14.1
50	0.980	2.5923	22.8
100	0.990	3.1367	33.3
500	0.998	4.3947	64.2

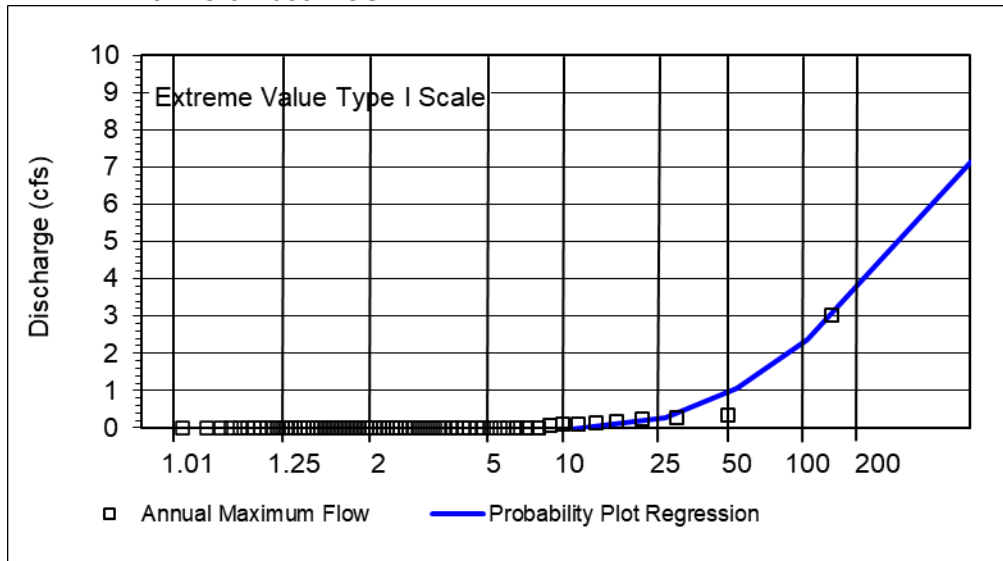
c. Glenrose-Trib2.NE



Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0.65	
	c	0.76	
	d	0.36	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	0.3
10	0.900	1.3046	2.5
25	0.960	2.0438	4.6
50	0.980	2.5923	6.7
100	0.990	3.1367	9.1
500	0.998	4.3947	16.3

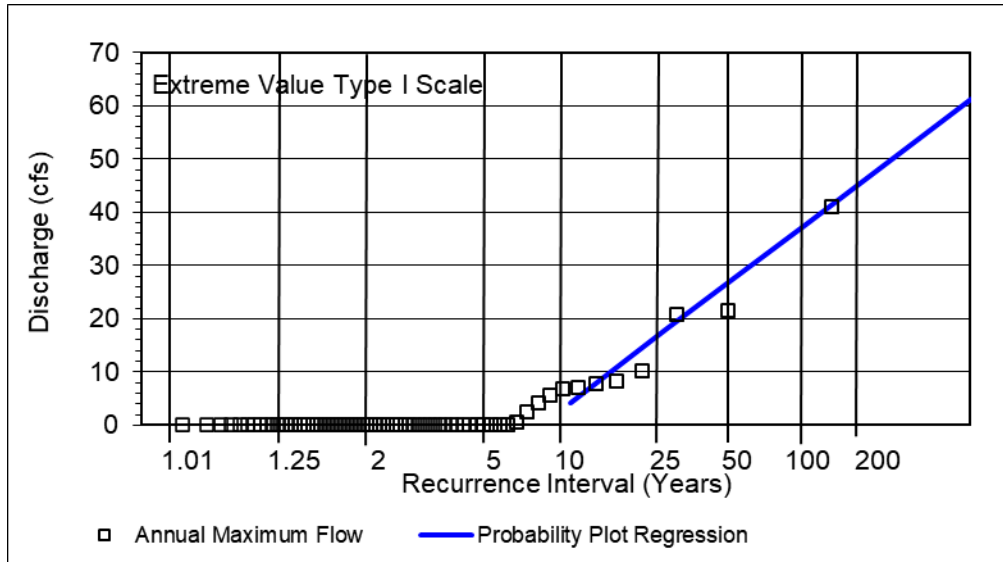
4. City of Spokane

a. Glenrose-COS



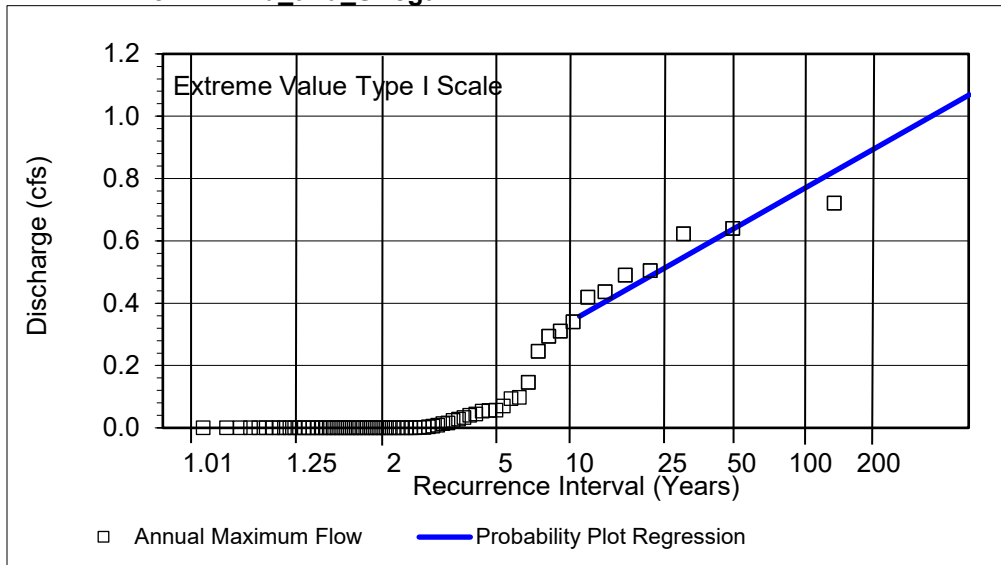
Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0.81	
	c	-2.3	
	d	1.6	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	2.0
10	0.900	1.3046	0.0
25	0.960	2.0438	0.3
50	0.980	2.5923	1.1
100	0.990	3.1367	2.4
500	0.998	4.3947	7.1

b. Glenrose-COS1.



Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0	
	c	18.5	
	d	-20	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	-23.0
10	0.900	1.3046	4.1
25	0.960	2.0438	17.8
50	0.980	2.5923	28.0
100	0.990	3.1367	38.0
500	0.998	4.3947	61.3

c. E42nd and SRegal



Probability Plot Regression Factors (aX^3+bX^2+cX+d)			
	a	0	
	b	0	
	c	0.23	
	d	0.058	
		Extreme	
	Non Exceed	Value	Probability Plot
Tr	Prob	Variate	Flood Estimate
2	0.500	-0.1643	0.0
10	0.900	1.3046	0.4
25	0.960	2.0438	0.5
50	0.980	2.5923	0.7
100	0.990	3.1367	0.8
500	0.998	4.3947	1.1

Appendix E. Geotechnical Study



February 8, 2022

Raymond Walton, Ph.D., P.E., D.WRE
WEST Consultants, Inc.
12509 Bel-Red Road, Suite 100
Bellevue, Washington 98005

**RE: Stormwater Infiltration Findings Letter
Infiltration Testing
Southwest Region of the City of Spokane Valley
Spokane County, Washington
ALLWEST Project No. 220-082G**

Dr. Walton,

ALLWEST has completed the full-scale drywell testing at the above-referenced site in Spokane County, Washington. The purpose of our services was to perform drywell and infiltration testing at various sites throughout the City of Spokane Valley and Spokane and review the stormwater infiltration test data to provide findings in an abbreviated Stormwater Infiltration Findings Letter. Testing was performed in accordance with the Spokane Regional Stormwater Manual (SRSW). This letter summarizes the results of our field testing.

FIELD TESTING, OBSERVATIONS, AND RESULTS

Drywell Tests

ALLWEST performed infiltration testing to establish the existing outflow rates for fifteen drywells at various locations designated by WEST Consultants in consultation with the City of Spokane Valley. The locations of the tested drywells are described in Table 1. Field data sheets for each drywell test are also attached to this letter.

Testing was started near the end of September during dry weather and continued into November. Tests performed in November occurred after several days of rain.

Prior to testing, the condition of each drywell was evaluated. In general, many of the drywells contained sediment and/or debris. Some of the drywells contained water prior to testing. Notes regarding drywells condition are recorded on the individual field data sheets attached to this letter.

Testing at each of the drywells, except drywell DW-20, was performed in accordance with Appendix 4B of the SRSW. Drywells DW-12, DW-20, DW-23, DW-29, DW-36, DW-55, DW-57 were tested after several days of rain and contained at least ½-ft of water prior to testing. Drywells with measurable water levels prior to commencement of testing were considered to be pre-soaked prior to starting testing. Pre-soak times were reduced to 30 minutes at those locations.

Table 1. Drywell Locations

Test Location	Closest Address / Intersection
DW-4	5112 S. Magnolia Street
DW-12	E. Avion Lane and S. Freya Street
DW-15	3211 E. 55 th Avenue
DW-20	3206 E Diane Court
DW-22	E. 37 th Avenue and S. Rebecca Street
DW-23	E. 37 th Avenue and S. Cuba Street
DW-29	E. 55 th Avenue and S. Morrill Street
DW-33	S. Havana Street and E. 42 nd Avenue
DW-36	S. Glenrose Road and E. 41 st Avenue
DW-41	1719 S. Kahuna Drive
DW-48	E. 8 th and S. Woodlawn Road
DW-55	S. Edgerton Road and E. 10 th Avenue
DW-56	S. Dickey Street and E. 11 th Avenue
DW-57	5606 S. Leeway Court
DW-58	S. Koren Road and E. Eastwood Avenue

Specific drywell conditions of note:

- At drywell DW-20, the water level prior to commencement of testing was measured at approximately 1 inch below the inlet/outlet pipe. Because we were unable to add water at a rate measurable by our water meter, the test at DW-20 was necessarily modified to a falling head test. After an initial addition of water, the rate of infiltration was measured by taking periodic water level measurements to measure the water level drop and establish an outflow rate.
- Drywell DW-23 is a triple depth drywell with an inlet/outlet pipe located approximately 2½ feet from the bottom of the drywell. Due to the depth of the inlet/outlet pipe, the head (water level) was not raised more than 2½ feet during testing.
- Drywell DW-41 exhibited roots growing through the perforations.

A summary of the actual and proposed design infiltration rates for the tested drywells are presented in Table 2 below. These rates are the actual measured infiltration rates without a safety factor included and are not typically utilized for design of stormwater management facilities. The SRSM recommends a factor of safety of 1.3 to 2.5 be applied to the infiltration rates depending on the fines content of the native soil. Allwest was not tasked with excavation or sampling of the surrounding soil at drywell locations. Fines content is unknown for soils at the drywell installations, therefore, ALLWEST recommends a factor of safety of 2.5 be applied for drywell design.



Table 2. Actual and Design Normalized Outflow Rates

Test Location	Normalized Outflow Rate* (cfs/ft)	Actual Outflow Rate Q_A (cfs)	Design Outflow Rate Q_A (cfs)	Design Normalized Outflow Rate (cfs/ft)
DW-4	7.50×10^{-02}	7.50×10^{-01}	3.00×10^{-01}	3.00×10^{-02}
DW-12	1.42×10^{-02}	1.42×10^{-01}	5.68×10^{-02}	5.68×10^{-03}
DW-15	1.79×10^{-02}	1.07×10^{-02}	4.28×10^{-02}	7.16×10^{-03}
DW-20**	1.37×10^{-05}	8.25×10^{-05}	3.30×10^{-05}	5.48×10^{-06}
DW-22	2.57×10^{-02}	2.57×10^{-01}	1.03×10^{-01}	1.03×10^{-02}
DW-23**	1.33×10^{-02}	1.87×10^{-01}	7.48×10^{-02}	5.32×10^{-03}
DW-29	8.81×10^{-03}	8.81×10^{-02}	3.52×10^{-02}	3.52×10^{-03}
DW-33	4.74×10^{-02}	4.74×10^{-01}	1.90×10^{-01}	1.90×10^{-02}
DW-36	5.92×10^{-02}	8.28×10^{-01}	3.31×10^{-01}	2.37×10^{-02}
DW-41	8.28×10^{-02}	4.97×10^{-01}	1.99×10^{-01}	3.31×10^{-02}
DW-48	3.89×10^{-01}	3.89×10^{00}	1.56×10^{00}	1.56×10^{-01}
DW-55	1.07×10^{-01}	1.07×10^{00}	4.28×10^{-01}	4.28×10^{-02}
DW-56	1.83×10^{-01}	2.57×10^{00}	1.03×10^{00}	7.32×10^{-02}
DW-57	1.57×10^{-02}	1.57×10^{-01}	6.28×10^{-02}	6.28×10^{-03}
DW-58	3.43×10^{-02}	2.06×10^{-01}	8.24×10^{-02}	1.37×10^{-02}

*Normalized and actual outflow rates do not have an applied factor of safety and should not be used for design. Use design normalized outflow rates for design of new drywells.

**Drywell had inlet/outlet pipes at elevations where water level could not be increased above the pipes invert elevation without skewing data.

Single-ring Infiltrometer Tests

ALLWEST performed in-situ infiltration testing at two locations to evaluate soil permeability: at the southeast corner of 37th and Rebecca and at Hazel's Creek. Test locations were designated by WEST Consultants. Testing was performed in accordance with the Single-Ring Infiltrometer Test outlined in the SRSM. The field test data sheets are attached to this report. A summary of the actual infiltration rates is presented in Table 3 below.

The general soil profile at test location INF-1 consisted of topsoil over native, silty glaciofluvial sand with some gravel. The general soil profile at test location INF-2 consisted of topsoil over native, silty fine to medium sand. The silty sand observed at both test locations was consistent with the NRCS soil survey and geologic mapping of the area. In-situ infiltration testing was performed at approximately 1-½ feet below the existing ground surface, beneath the topsoil, at both locations.



Table 3. Single-ring Infiltrometer

Test Location	Actual Infiltration Rate (in/hr)
INF-1	1.0
INF-2	1.1

LIMITATIONS

This report has been prepared to assist with the Infiltration Testing project located in the Southwest Region of the City of Spokane Valley in Spokane County, Washington. Our services consist of professional opinions and conclusions made in accordance with generally accepted geotechnical engineering principles and practices. This acknowledgement is in lieu of all warranties either expressed or implied.

REMARKS

We appreciate the opportunity to be of service on this project. We are available to answer questions you may have regarding this report or to provide additional services as needed.

Sincerely,

ALLWEST



Scott Fraser, P.E.
Engineering Services Manager



Brenda Borer
Engineering Coordinator/
Project Manager

Attachments:

Full-Scale Drywell Test Results
Single-ring Infiltrometer Test Results



2/8/2022



GEOTECHNICAL | ENVIRONMENTAL
MATERIALS TESTING | SPECIAL INSPECTION

AN EMPLOYEE-OWNED COMPANY



FULL-SCALE DRYWELL TEST DW-4

COSV Drywell Study
Project No. 220-082G

Date: 9/23/2021

Test ID: DW-4
Location: 5112 S. Magnolia St.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 97.2
Volume, a, (in³): 175889.0
Depth to outflow pipe (ft): ---

Notes:

Bottom of drywell contains silt, trash, and lawn clippings. No water in drywell.

Depth to water prior to start: --- ft

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	9:00	416835.5	0	0.00	---	0
	10:00	418917.3	60	6.66	2081.8	5.78E-01
Begin constant rate test	10:10	419218.0	10	6.68	300.7	5.01E-01
	10:20	419519.1	10	6.74	301.1	5.02E-01
	10:30	419822.1	10	6.69	303.0	5.05E-01
	10:40	420121.5	10	6.68	299.4	4.99E-01
	10:50	420424.3	10	6.72	302.8	5.05E-01
	11:00	420726.0	10	6.67	301.7	5.03E-01
End constant rate test Begin falling head test	11:05		5	5.13		
	11:10		5	4.38		
	11:15		5	3.57		
	11:20		5	2.96		
	11:25		5	1.25		
	11:27		2	0.00		

AVERAGE "Q" (CFS) = 5.02E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

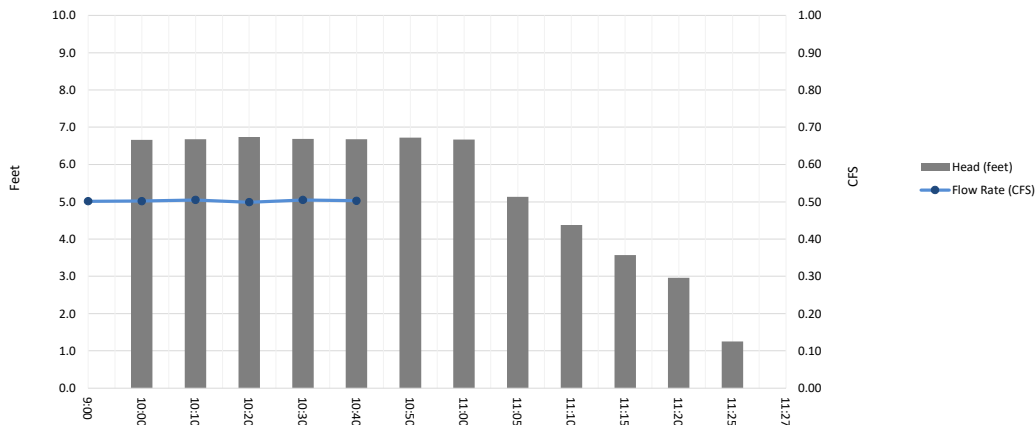
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): Q_A = 7.50E-01
Normalized Outflow Rate (cfs/ft): Q_A = 7.50E-02

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-12

COSV Drywell Study
Project No. 220-082G

Date: 9/24/2021

Test ID: DW-12
Location: ~350 south of E. Avion Ln. and S. Freya St.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 101.5
Volume, a, (in³): 183706.3
Depth to outflow pipe (ft): 3.6

Notes:

Water in drywell at 7.1 ft below ground surface prior to starting test. Drywell considered pre-soaked due to approximately 4.75 ft of water in drywell at start of test. Pre soak time shortened to 30 mins.

Depth to water prior to start: 7.1 ft

Time Test Started: 8:08 AM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	8:08	420726.8	0	4.75	---	0
	8:38	420889.9	30	5.94	163.1	9.06E-02
Begin constant rate test	8:48	420940.6	10	5.95	50.7	8.45E-02
	8:58	420991.8	10	5.95	51.2	8.53E-02
	9:08	421042.7	10	5.95	50.9	8.48E-02
	9:18	421093.3	10	5.99	50.6	8.43E-02
	9:28	421144.0	10	5.94	50.7	8.45E-02
End constant rate test	9:38	421195.1	10	5.95	51.1	8.52E-02
Begin falling head test	9:43		5	5.82		
	9:48		5	5.71		
	9:53		5	5.56		
	9:58		5	5.43		
	10:03		5	5.29		
	10:08		5	5.17		
	10:13		5	5.06		
	10:18		5	4.95		

AVERAGE "Q" (CFS) = 8.48E-02

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

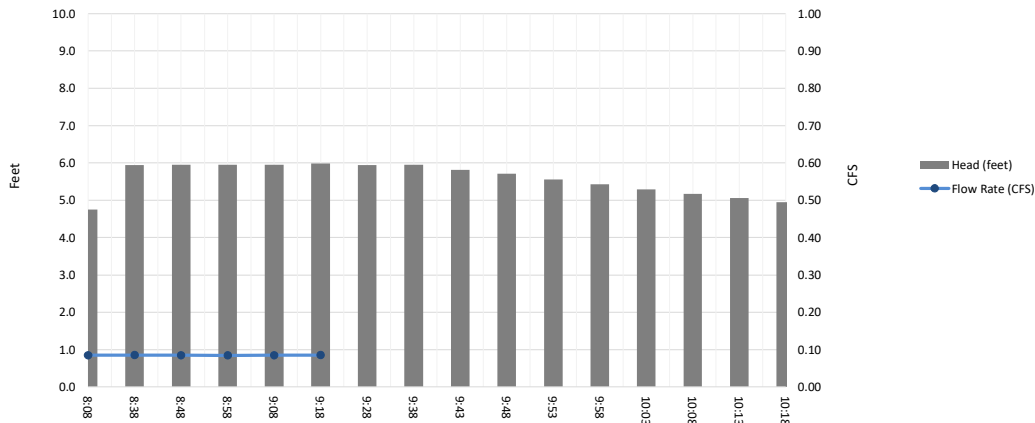
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): $Q_A = 1.42E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 1.42E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-15

COSV Drywell Study
Project No. 220-082G

Date: 11/6/2021

Test ID: DW-15
Location: Pine Rock Apartments entrance
on E. 55th Ave

Drywell Type: Type A/1 (single depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 64.8
Volume, a, (in³): 117259.3
Depth to outflow pipe (ft): ---

Notes:

Bottom of drywell contains silt, garbage and leaves. No water in drywell.

Depth to water prior to start: --- ft

Time Test Started: 8:35 AM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	8:35	438553.0	0	0.00	---	0
	9:35	438896.9	60	2.90	343.9	9.55E-02
Begin constant rate test	9:45	438927.3	10	3.05	30.4	5.07E-02
	9:55	438959.4	10	3.00	32.1	5.35E-02
	10:05	438991.8	10	3.00	32.4	5.40E-02
	10:15	439023.6	10	3.00	31.8	5.30E-02
	10:25	439056.2	10	2.95	32.6	5.43E-02
	10:35	439088.1	10	3.00	31.9	5.32E-02
End constant rate test	10:40		5	2.40		
	10:45		5	0.74		
	10:48		3	0.00		

AVERAGE "Q" (CFS) = 5.31E-02

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

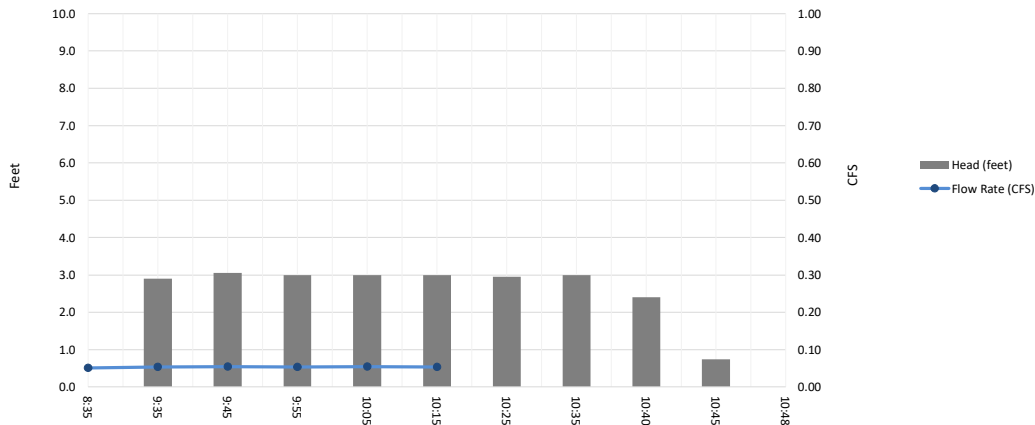
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type A/1 (CFS): $Q_A = 1.07E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 1.79E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FALLING HEAD PERMEABILITY TEST DW-20

COSV Drywell Study
Project No. 220-082G

Date: September 23, 2021

Test ID: DW-20
Location: 3206 East Diane Court

Drywell Type: Type A/1 (single depth)
Depth to water: 3.48 ft

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 37.4
Volume, a, (in³): 67749.8
Depth to outflow pipe (ft): 3.4

Notes:

Drywell has 3.5 ft of water (head) prior to start of test. Drywell considered pre-soaked due to water in drywell. Drywell appears to be clear of debris, likely ~ 1 ft of sediment in bottom. (Cannot accurately measure sediment.) Test conducted by adding 20 gal of water to drywell and incrementally measuring drawdown.

Permeability Test Data

Time Test Started: 10:32 AM

Stage	Time (min)	Depth to Water (ft)	Change in Head (ft)	Change in Head (in)
Pre-soak	0	3.48	constant rate test	---
	10	3.36	---	---
Begin Test	20	3.42	0.06	0.72
	30	3.48	0.06	0.72
	178	3.48	0.00	0.00
End Test	313	3.48	0.00	0.00

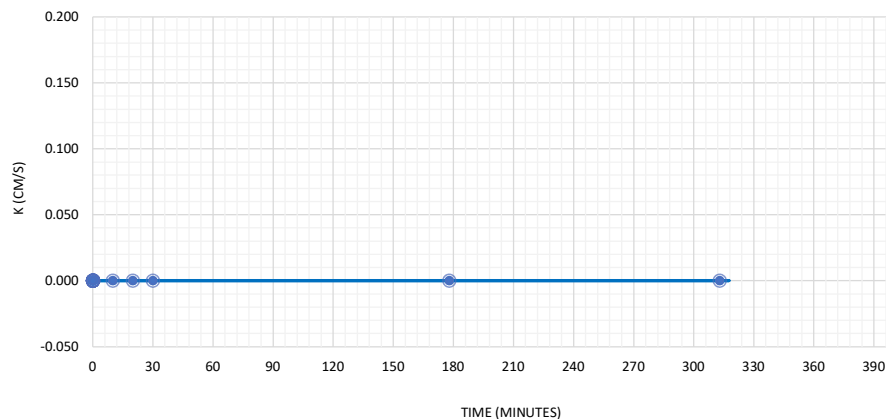
Average Infiltration Rate (in/hr): 1.47E-01

Average Infiltration Rate (cfs): 4.29E-05

Normalized Outflow Rate (cfs/ft): 1.37E-05

Drywell Outflow Rate (cfs): 8.25E-05

INFILTRATION RATE





FULL-SCALE DRYWELL TEST DW-22

COSV Drywell Study
Project No. 220-082G

Date: 11/12/2021

Test ID: DW-22
Location: E. 37th Ave. and S. Rebecca St.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter - alt (no #)

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 94.2
Volume, a, (in³): 170460.3
Depth to outflow pipe (ft): 5.0

Notes:

Bottom of drywell contains silt and trash. No water in drywell.

Depth to water prior to start: --- ft

Time Test Started: 10:56 AM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	10:56	447188.7	0	0.00	---	0
	11:56	447730.0	60	5.55	541.3	1.50E-01
Begin constant rate test	12:06	447814.2	10	5.55	84.2	1.40E-01
	12:16	447899.1	10	5.45	84.9	1.41E-01
	12:26	447983.0	10	5.50	83.9	1.40E-01
	12:36	448068.3	10	5.45	85.3	1.42E-01
	12:46	448152.8	10	5.45	84.5	1.41E-01
	12:56	448237.2	10	5.45	84.4	1.41E-01
End constant rate test Begin falling head test	13:01		5	3.89		
	13:06		5	3.15		
	13:11		5	2.71		
	13:16			2.35		
	13:21			2.10		
	13:26			1.89		
	13:31			1.76		
	13:36			1.69		

AVERAGE "Q" (CFS) = 1.41E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

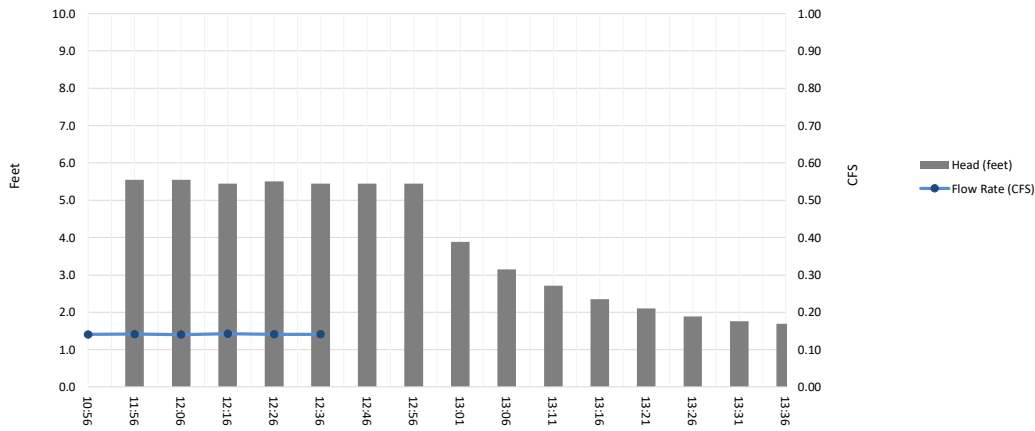
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): $Q_A = 2.57E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 2.57E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-23

COSV Drywell Study
Project No. 220-082G

Date: 11/6/2021

Test ID: DW-23
Location: E. 37th Ave. and S. Cuba St.

Drywell Type: Triple depth
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 198.0
Volume, a, (in³): 358292.4
Depth to outflow pipe (ft): 16.5

Notes:

Test conducted approximately 30 minutes after a storm event, after several days of rain. Drywell is considered to be presoaked due to presence of water in bottom and several days of rain prior to testing. Pre soak time shortened to 30 mins. Drywell is free of silt and debris. Drywell contains approximately 0.5 ft of water. Drywell is triple depth with a 5 ft blank at the top.

Depth to water prior to start: 0.5 ft

Test Data

Time Test Started:	11:22 AM					
Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	11:22	439018.1	0	0.00	---	0
	11:52	439185.7	30	2.15	167.7	9.31E-02
Begin constant rate test	12:02	439201.8	10	2.13	16.1	2.68E-02
	12:12	439218.2	10	2.13	16.4	2.73E-02
	12:22	439235.4	10	2.13	17.2	2.87E-02
	12:32	439251.9	10	2.00	16.5	2.75E-02
	12:42	439268.5	10	1.95	16.6	2.77E-02
	12:52	439285.2	10	1.93	16.7	2.78E-02
End constant rate test Begin falling head test	12:57		5	1.90		
	13:02		5	1.87		
	13:07		5	1.85		
	13:12		5	1.83		
	13:17		5	1.80		
	13:22		5	1.85		
	13:27		5	1.83		
	13:32		5	1.80		

AVERAGE "Q" (CFS) = 2.76E-02

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{D_{Des}}$$

Q_{Act} = actual outflow rate

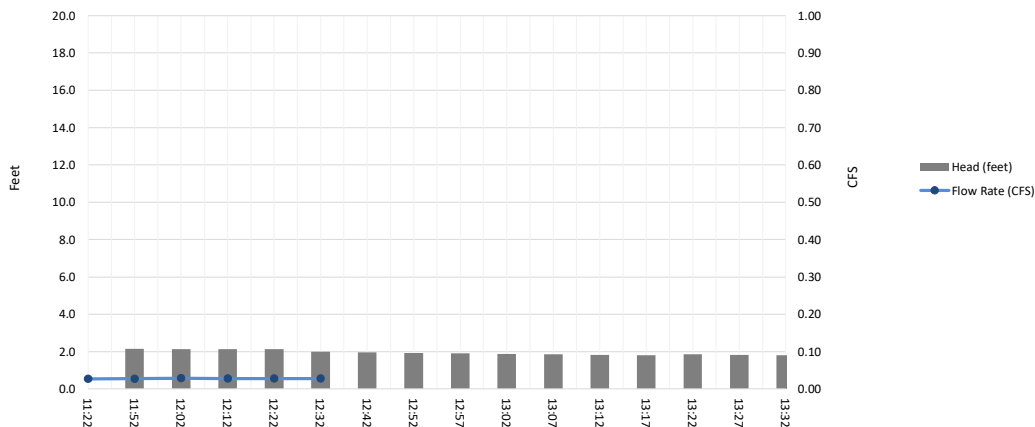
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Triple Depth (CFS) $Q_A = 1.87E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 1.33E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-29

COSV Drywell Study
Project No. 220-082G

Date: 9/28/2021

Test ID: DW-29
Location: E. 55th Ave. & S. Morrill St.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 73.0
Volume, a, (in³): 132025.3
Depth to outflow pipe (ft): ---

Notes:

Water in drywell at 5.5 ft below ground surface prior to starting test. Drywell is considered to be presoaked due to approximately 4.2 ft of water at start of test. Pre soak time shortened to 30 mins. Bottom of drywell contains silt.

Depth to water prior to start: 5.5 ft

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	10:58	421196.0	0	4.21	---	0
	11:30	421282.6	32	5.33	86.6	4.51E-02
Begin constant rate test	11:40	421309.8	10	5.27	27.2	4.53E-02
	11:50	421337.5	10	5.29	27.7	4.62E-02
	12:00	421365.9	10	5.28	28.4	4.73E-02
	12:10	421393.7	10	5.29	27.8	4.63E-02
	12:20	421421.8	10	5.26	28.1	4.68E-02
	12:30	421449.7	10	5.27	27.9	4.65E-02
End constant rate test Begin falling head test	12:35		5	5.17		
	12:40		5	5.01		
	12:45		5	4.88		
	12:50		5	4.74		
	12:55		5	4.59		
	13:00		5	4.46		

AVERAGE "Q" (CFS) = 4.64E-02

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

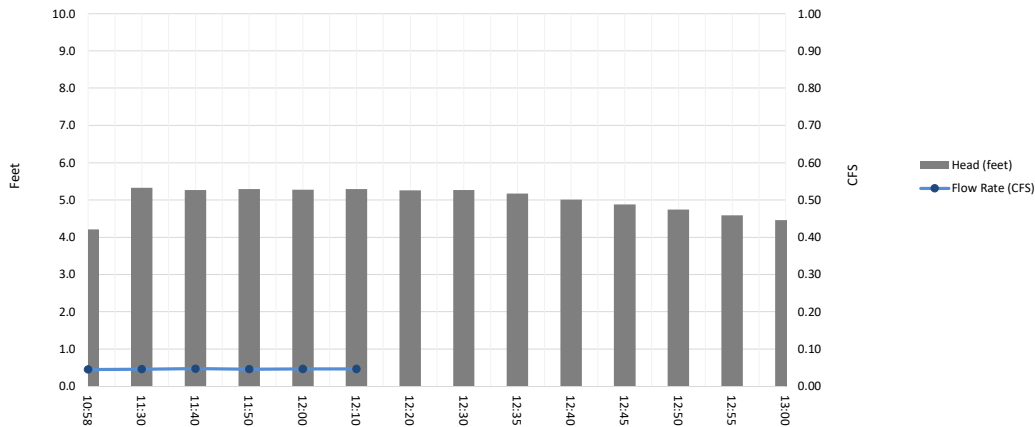
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): $Q_A = 8.81E-02$
Normalized Outflow Rate (cfs/ft): $Q_A = 8.81E-03$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-33

COSV Drywell Study
Project No. 220-082G

Date: 9/28/2021

Test ID: DW-33
Location: ~300 ft east of S. Havana St. on E.
42nd Ave.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 106.8
Volume, a, (in³): 193260.7
Depth to outflow pipe (ft): ---

Notes:

Bottom of drywell contains moist silt.

Depth to water prior to start: --- ft

Time Test Started: 2:25 PM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	14:25	421450.0	0	7.30	---	0
	14:55	422169.9	30	8.42	719.9	4.00E-01
Begin constant rate test	15:05	422407.4	10	8.36	237.5	3.96E-01
	15:15	422645.8	10	8.38	238.4	3.97E-01
	15:25	422884.1	10	8.37	238.3	3.97E-01
	15:35	423121.7	10	8.38	237.6	3.96E-01
	15:45	423360.1	10	8.35	238.4	3.97E-01
	15:55	423598.2	10	8.36	238.1	3.97E-01
End constant rate test Begin falling head test	16:00		5	8.26		
	16:05		5	8.10		
	16:10		5	7.97		
	16:15		5	7.83		
	16:20		5	7.68		
	16:25		5	7.55		

AVERAGE "Q" (CFS) = 3.97E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

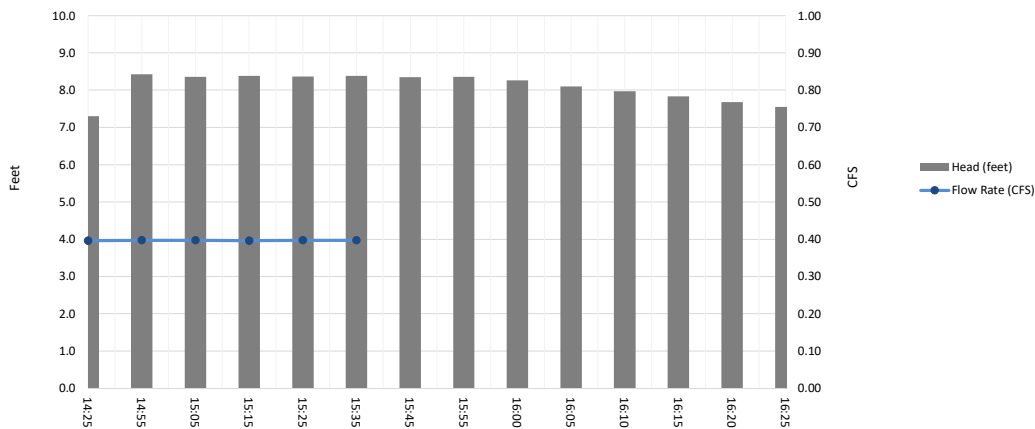
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): $Q_A = 4.74E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 4.74E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-36

COSV Drywell Study
Project No. 220-082G

Date: 9/29/2021

Test ID: DW-36
Location: southwest corner of E. 41st Ave.
and S. Glenrose Rd.

Drywell Type: Triple depth
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 181.2
Volume, a, (in³): 327891.8
Depth to outflow pipe (ft): ---

Notes:

Water in drywell at 16.8 ft below ground surface prior to starting test. Drywell is considered to be presoaked due to approximately 0.5 ft of water at start of test. Pre soak time shortened to 30 mins. Bottom of drywell contains some trash. Drywell is triple depth with a 5 ft blank at the top.

Depth to water prior to start: 16.8 ft

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	12:16	427989.3	0	0.50	---	0
	13:16	429540.2	60	7.25	1550.9	4.31E-01
Begin constant rate test	13:26	429796.8	10	7.29	256.6	4.28E-01
	13:36	430053.9	10	7.23	257.1	4.29E-01
	13:46	430311.8	10	7.24	257.9	4.30E-01
	13:56	430568.1	10	7.25	256.3	4.27E-01
	14:06	430825.6	10	7.20	257.5	4.29E-01
	14:16	431082.5	10	7.20	256.9	4.28E-01
End constant rate test Begin falling head test	14:21		5	6.10		
	14:26		5	5.55		
	14:31		5	5.20		
	14:36		5	5.10		
	14:41		5	4.99		
	14:46		5	4.88		
	14:51		5	4.80		
	14:56		5	4.74		

AVERAGE "Q" (CFS) = 4.28E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

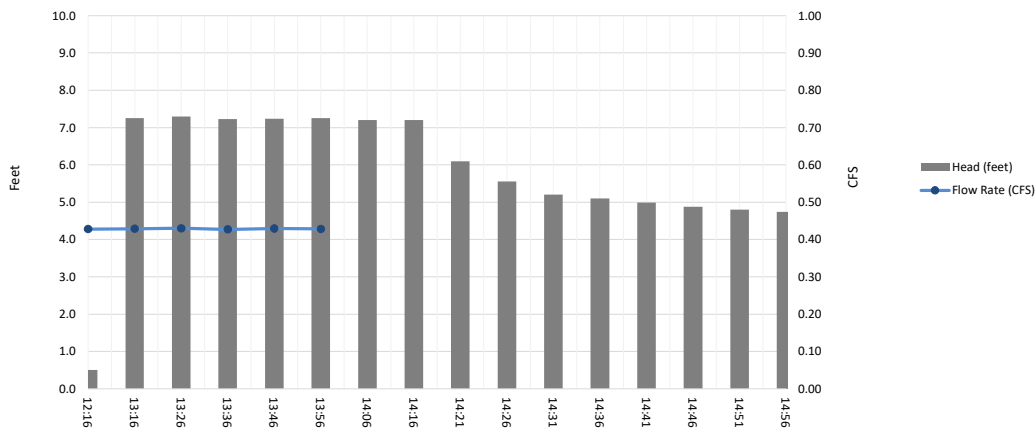
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Triple Depth (CFS) $Q_A = 8.28E-01$
Normalized Outflow Rate (cfs/ft): $Q_A = 5.92E-02$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-41

COSV Drywell Study
Project No. 220-082G

Date: 10/1/2021

Test ID: DW-41
Location: 1719 S. Kahuna Dr.

Drywell Type: Type A/1 (single depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 60.0
Volume, a, (in³): 108573.4
Depth to outflow pipe (ft): ---

Notes:

Bottom of drywell contains moist silt (mud). Tree roots growing through sidewall perforations.

Depth to water prior to start: --- ft

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	7:48	431084.4	0	-2.60	---	0
	8:48	432160.5	60	3.30	1076.1	2.99E-01
Begin constant rate test	8:58	432331.2	10	3.40	170.7	2.85E-01
	9:08	432497.6	10	3.39	166.4	2.77E-01
	9:18	432664.9	10	3.40	167.3	2.79E-01
	9:28	432832.0	10	3.40	167.1	2.78E-01
	9:38	433002.5	10	3.38	170.5	2.84E-01
End constant rate test	9:48	433170.9	10	3.40	168.4	2.81E-01
Begin falling head test	9:53		5	2.52		
	9:58		5	1.38		
	10:03		5	0.71		
	10:08		5	0.25		
	10:13		5	-0.18		
	10:18		5	-0.56		
	10:23		5	-0.71		
	10:28		5	-0.85		

AVERAGE "Q" (CFS) = 2.81E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

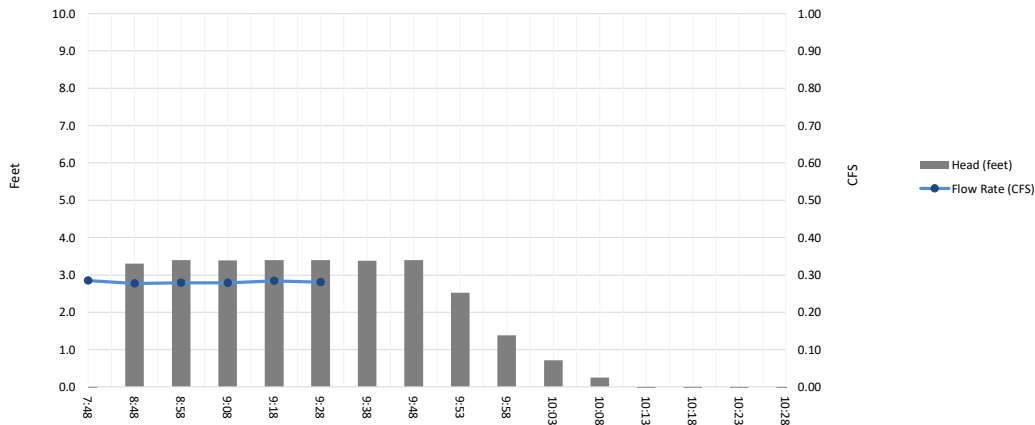
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type A/1 (CFS): Q_A = 4.97E-01
Normalized Outflow Rate (cfs/ft): Q_A = 8.28E-02

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-48

COSV Drywell Study
Project No. 220-082G

Date: 11/6/2021

Test ID: DW-48
Location: 8th and Woodlawn

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 102.0
Volume, a, (in³): 184574.9
Depth to outflow pipe (ft): ---

Notes:

Test conducted during rain event, after several days of rain. Drywell is considered to be presoaked due to several days of rain prior to testing. Pre soak time shortened to 30 mins. Drywell contains lots of trash. Drywell walls are moist, no standing water. Minor spalling of concrete.

Depth to water prior to start: --- ft

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	13:53	439293.3	0	0.00	---	0
	14:23	440665.5	30	2.10	1372.2	7.62E-01
Begin constant rate test	14:33	441158.0	10	2.10	492.5	8.21E-01
	14:43	441647.4	10	2.05	489.4	8.16E-01
	14:53	442137.7	10	2.10	490.3	8.17E-01
	15:03	442626.8	10	2.10	489.1	8.15E-01
	15:13	443117.0	10	2.15	490.2	8.17E-01
	15:23	443605.2	10	2.10	488.2	8.14E-01
	15:33	444096.5	10	2.10	491.3	8.19E-01
End constant rate test	15:33					
Begin falling head test	15:38			0.00		

AVERAGE "Q" (CFS) = 8.17E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

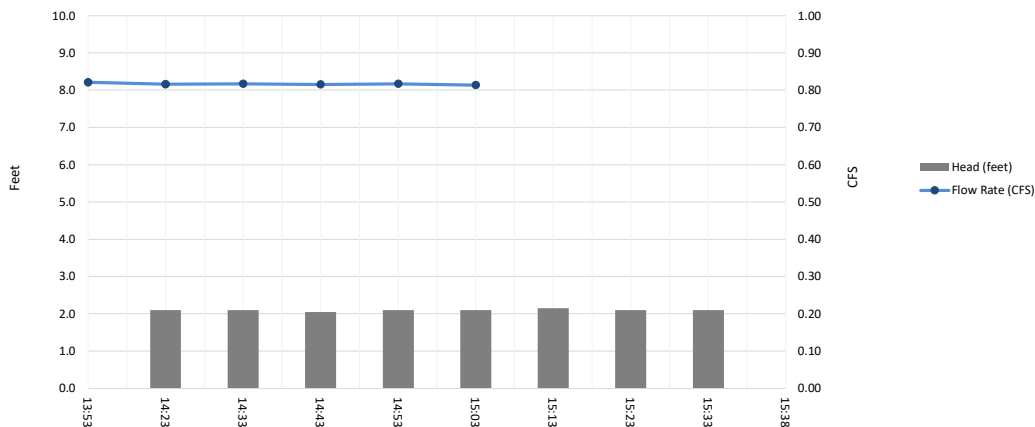
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): Q_A = 3.89E+00
Normalized Outflow Rate (cfs/ft): Q_A = 3.89E-01

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-55

COSV Drywell Study
Project No. 220-082G

Date: 11/12/2021

Test ID: DW-55
Location: southeast cnr of S. Edgerton Rd
and E. 10th Ave.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 105.6
Volume, a, (in³): 191089.3
Depth to outflow pipe (ft): 3.5

Notes:

Water in drywell at 9.7 ft below ground surface prior to starting test. Drywell considered pre-soaked due to approximately 1.8 ft of water in drywell at start of test. Pre soak time shortened to 30 mins. Drywell contains lots of trash. Drywell contains sediment in the bottom.

Depth to water prior to start: 9.71 ft

Time Test Started: 8:18 AM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	8:18	445942.0	0	1.79	---	0
	8:48	446605.1	30	4.55	663.1	3.68E-01
Begin constant rate test	8:58	446893.6	10	4.55	288.5	4.81E-01
	9:08	447188.3	10	4.55	294.7	4.91E-01
	9:18	447481.1	10	4.55	292.8	4.88E-01
	9:28	447774.2	10	4.55	293.1	4.89E-01
	9:38	448067.8	10	4.55	293.6	4.89E-01
	9:48	448361.9	10	4.55	294.1	4.90E-01
End constant rate test	9:58	448654.5	10	4.55	292.6	4.88E-01
Begin falling head test	10:03			3.15		
	10:08			2.85		
	10:13			2.63		
	10:18			2.40		
	10:23			2.35		
	10:28			2.27		
	10:33			2.21		

AVERAGE "Q" (CFS) = 4.88E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

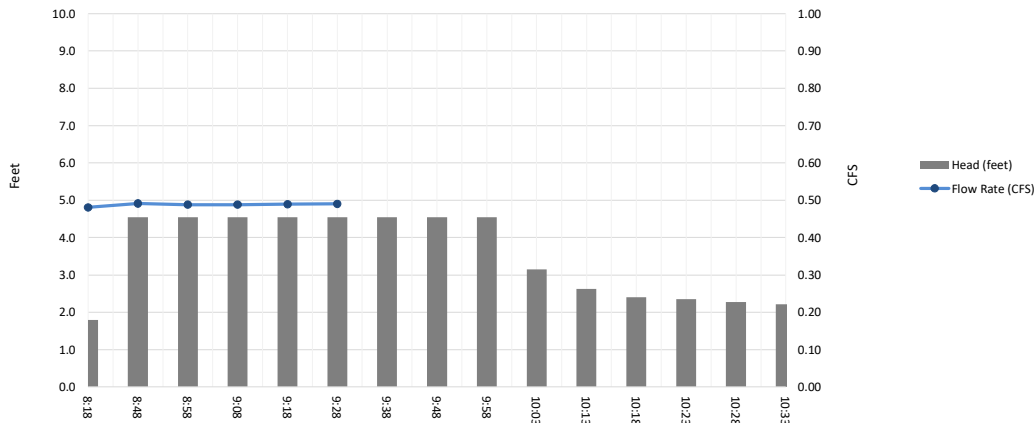
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): $Q_A = 1.07E+00$
Normalized Outflow Rate (cfs/ft): $Q_A = 1.07E-01$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-56

COSV Drywell Study
Project No. 220-082G

Date: 12/22/2022

Test ID: DW-56
Location: E. 11th Ave and S. Dickey St.

Drywell Type: Triple depth
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 178.8
Volume, a, (in³): 323548.9
Depth to outflow pipe (ft): ---

Notes:

Drywell has minor silt and debris in bottom, no water. Drywell tested with 2 water trucks- no hydrant available. Water truck switched at approximately 30 min intervals.

Depth to water prior to start: --- ft

Time Test Started: 12:05 PM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	12:05	450552.1	0	0.00	---	0
	13:05	451863.2	60	1.85	1311.1	3.64E-01
Begin constant rate test	13:15	452066.4	10	1.85	203.2	3.39E-01
	13:25	452268.9	10	1.85	202.5	3.38E-01
	13:35	452471.8	10	1.85	202.9	3.38E-01
	13:45	452673.7	10	1.85	201.9	3.37E-01
	13:55	452876.6	10	1.85	202.9	3.38E-01
	14:05	453079.1	10	1.85	202.5	3.37E-01
End constant rate test	14:05					
Begin falling head test	14:06		1	0.00		

AVERAGE "Q" (CFS) = 3.38E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

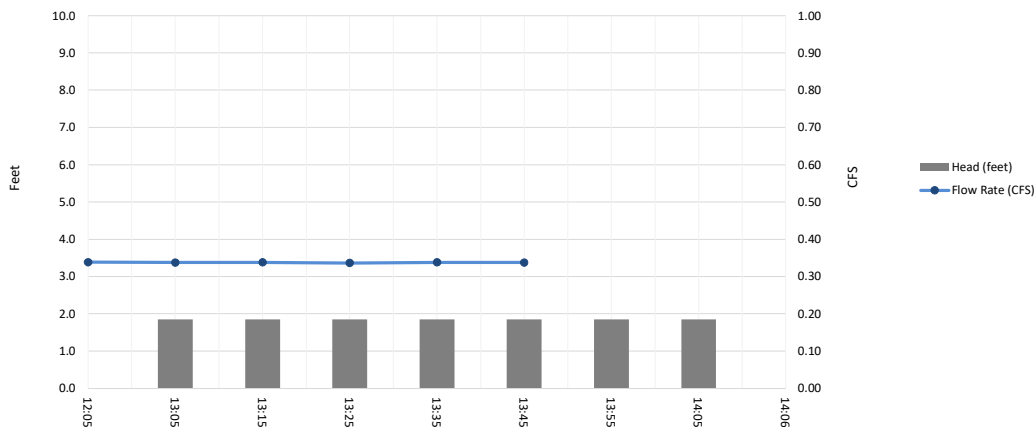
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Triple Depth (CFS) $Q_A = 2.57E+00$
Normalized Outflow Rate (cfs/ft): $Q_A = 1.83E-01$

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-57

COSV Drywell Study
Project No. 220-082G

Date: 10/1/2021

Test ID: DW-57
Location: 5606 S. Leeway Ct.

Drywell Type: Type B/2 (double depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6

Length, L, (in): 105.6
Volume, a, (in³): 191089.3
Depth to outflow pipe (ft): ---

Notes:

Water in drywell at 9.6 ft below ground surface prior to starting test. Drywell considered pre-soaked due to approximately 2 ft of water in drywell at start of test. Pre soak time shortened to 30 mins.

Depth to water prior to start: 9.6 ft

Time Test Started: 2:53 PM

Test Data

Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	14:53	434039.5	0	1.80	---	0
	15:23	434314.5	30	7.75	275.0	1.53E-01
Begin constant rate test	15:33	434381.1	10	7.78	66.6	1.11E-01
	15:43	434448.6	10	7.73	67.5	1.13E-01
	15:53	434515.3	10	7.75	66.7	1.11E-01
	16:03	434583.1	10	7.75	67.8	1.13E-01
	16:13	434649.9	10	7.75	66.8	1.11E-01
End constant rate test	16:23	434717.0	10	7.75	67.1	1.12E-01
Begin falling head test	16:58		35	7.78		
	17:03		5	7.55		
	17:08		5	7.25		
	17:13		5	6.84		
	17:18		5	6.68		
	17:23		5	6.40		
	17:28		5	6.17		
	17:33		5	5.95		

AVERAGE "Q" (CFS) = 1.12E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

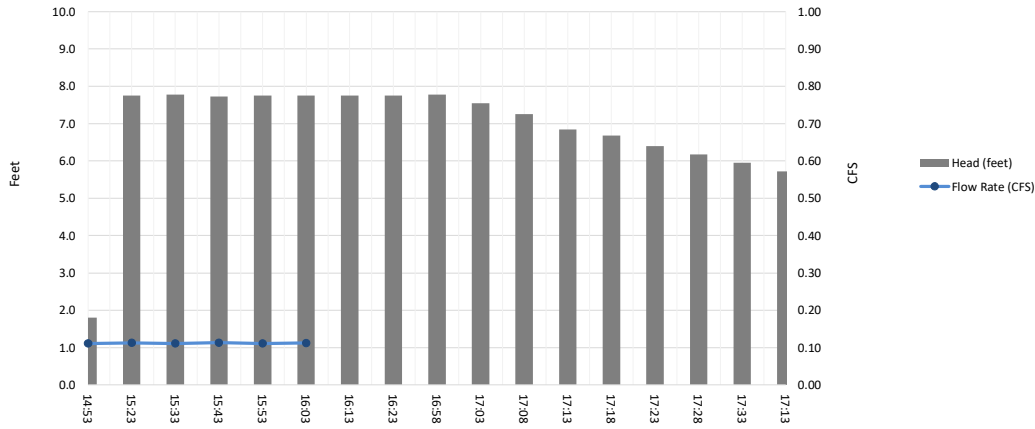
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type B/2 (CFS): Q_A = 1.57E-01
Normalized Outflow Rate (cfs/ft): Q_A = 1.57E-02

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



FULL-SCALE DRYWELL TEST DW-58

Date: 10/1/2021

COSV Drywell Study
Project No. 220-082G

Test ID: DW-58
Location: S. Koren Rd and E. Eastwood Ave.

Drywell Type: Type A/1 (single depth)
Meter: Master Meter 8044472

Drywell Dimensions

Diameter, D, (in): 48
Area, A, (in²): 1809.6
Length, L, (in): 60.0
Volume, a, (in³): 108573.4
Depth to outflow pipe (ft): ---

Notes:

Octagonal drywell with perforations in the cone. Bottom of drywell contains silt / sand.

Depth to water prior to start: --- ft

Test Data

Time Test Started:	11:28 AM					
Test Phase	Time	Meter Reading (ft)	Elapsed Time (min)	Head (ft)	Δ (cf)	Flow Rate (cfs)
Pre-soak	11:28	433178.0	0	0.00	---	0
	12:28	433637.1	60	3.25	459.1	1.28E-01
Begin constant rate test	12:38	433704.0	10	3.25	66.9	1.12E-01
	12:48	433771.1	10	3.25	67.1	1.12E-01
	12:58	433838.2	10	3.25	67.1	1.12E-01
	13:08	433904.8	10	3.25	66.6	1.11E-01
	13:18	433971.8	10	3.25	67.0	1.12E-01
End constant rate test	13:28	434039.2	10	3.25	67.4	1.12E-01
Begin falling head test	13:33		5	2.76		
	13:38		5	2.24		
	13:43		5	1.91		
	13:48		5	1.60		
	13:53		5	1.35		
	13:58		5	1.10		
	14:10		12	0.54		
	14:50		40	0.00		

AVERAGE "Q" (CFS) = 1.12E-01

Normalized Outflow (Q_A)

$$Q_A = (Q/H) * H_{Des}$$

Q_{Act} = actual outflow rate

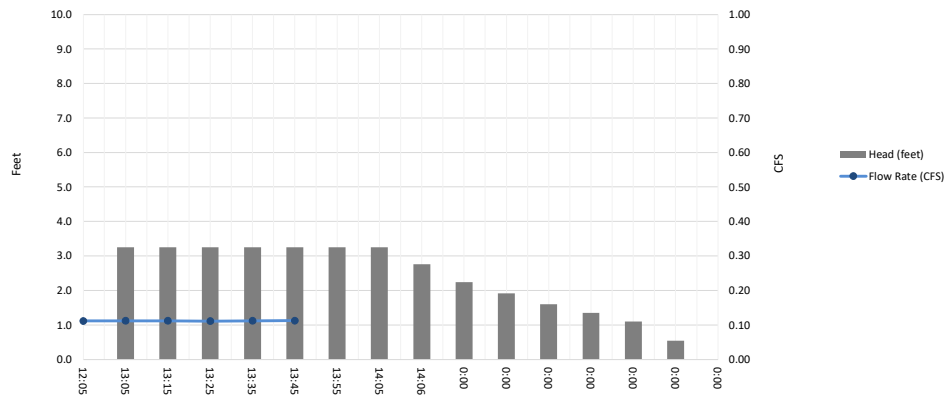
Q = stabilized flow rate near the end of the constant head portion of the test

H = height of water in the drywell during testing

H_D = Max. design drywell head (6 ft. for single-depth, 10 ft. for double-depth)

Type A/1 (CFS): Q_A = 2.06E-01
Normalized Outflow Rate (cfs/ft): Q_A = 3.43E-02

INFILTRATION RATE



Testing performed in general conformance with the *Spokane Regional Stormwater Manual Appendix 4B - Full Scale Drywell Test (April 2008)*



SINGLE RING INFILTROMETER TEST RESULTS

INF-1

COSV Drywell Study
Project No. 220-082G

Date: 11/11/21

Test ID: INF-1
Location: E. 37th Ave. and S. Rebecca St.

Soil Description: (GM) silty Gravel with sand, fine to coarse grained

Ring Dimensions

Diameter, D, (in):	12	Area, A, (in²):	113.1
Length, L, (in):	24	Volume, a, (in³):	2714.3
Embedment (in):	8		

Notes:

Test performed after several days of rain- saturated subsurface. Test was performed without leaks or other anomalies.

Permeability Test Data

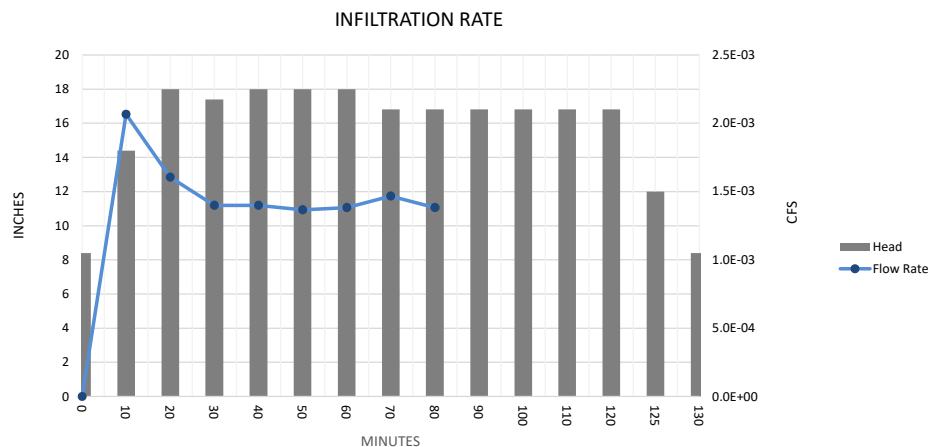
Start Time: 10:58 AM

Stage	Time (min)	Meter Reading (cf)	Head (in)	Δ (cf)	Flow Rate (cfs)	I (cfs/ft ²) (Q/A)	k (ft/s) (Q*L)/(A*H)
Pre-soak	0	13058.69	8.40	---	---	---	---
	30	13062.41	17.40	3.72	2.07E-03	2.63E-03	1.54E-03
	60	13065.30	18.00	2.89	1.61E-03	2.04E-03	1.16E-03
Begin constant rate	70	13066.14	16.80	0.84	1.40E-03	1.78E-03	1.08E-03
	80	13066.98	16.80	0.84	1.40E-03	1.78E-03	1.08E-03
	90	13067.80	16.80	0.82	1.37E-03	1.74E-03	1.06E-03
	100	13068.63	16.80	0.83	1.38E-03	1.76E-03	1.07E-03
	110	13069.51	16.80	0.88	1.47E-03	1.87E-03	1.13E-03
End constant rate	120	13070.34	16.80	0.83	1.38E-03	1.76E-03	1.07E-03
Falling head	125		12.00				
End Test	130		8.40				

Average Infiltration Rate (in/hr): 1.01E+00

Average 'k' (ft/s): 2.49E-03

Average 'k' (cm/s): 7.60E-02



Testing performed in general conformance with the Spokane Regional Stormwater Manual Appendix 4D - Single Ring Infiltrometer Test (April 2008)



SINGLE RING INFILTROMETER TEST RESULTS

INF-2

COSV Drywell Study
Project No. 220-082G

Date: 11/11/21

Test ID: INF-2
Location: Hazel's Creek

Soil Description: (SP) poorly-graded SAND, fine to medium grained

Ring Dimensions

Diameter, D, (in):	12	Area, A, (in²):	113.1
Length, L, (in):	24	Volume, a, (in³):	2714.3
Embedment (in):	8		

Notes:

Test was performed without leaks or other anomalies.

Permeability Test Data

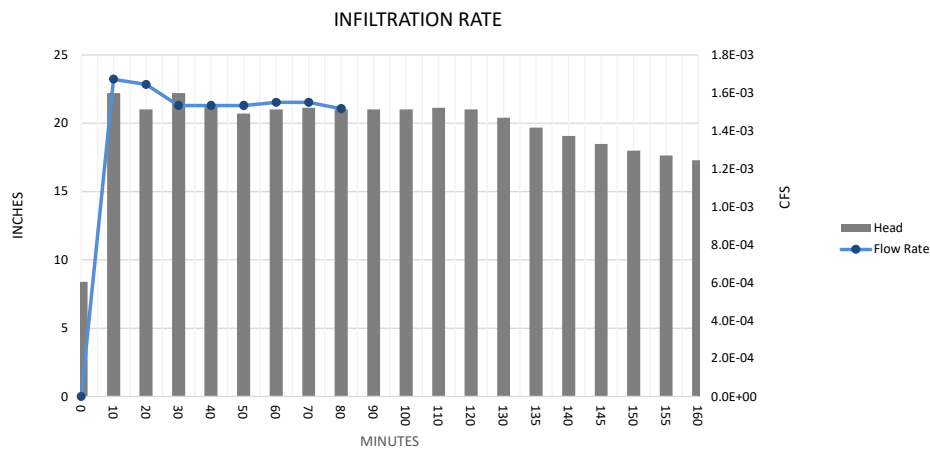
Start Time: 1:44 PM

Stage	Time (min)	Meter Reading (cf)	Head (in)	Δ (cf)	Flow Rate (cfs)	I (cfs/ft ²) (Q/A)	k (ft/s) (Q*L)/(A*H)
Pre-soak	0	13070.39	8.40	---	---	---	---
	30	13073.40	22.20	3.01	1.67E-03	2.13E-03	9.77E-04
	60	13076.36	21.00	2.96	1.64E-03	2.09E-03	1.02E-03
Begin constant rate	70	13077.28	21.12	0.92	1.53E-03	1.95E-03	9.42E-04
	80	13078.20	21.00	0.92	1.53E-03	1.95E-03	9.47E-04
	90	13079.12	21.00	0.92	1.53E-03	1.95E-03	9.47E-04
	100	13080.05	21.00	0.93	1.55E-03	1.97E-03	9.57E-04
	110	13080.98	21.12	0.93	1.55E-03	1.97E-03	9.52E-04
End constant rate	120	13081.89	21.00	0.91	1.52E-03	1.93E-03	9.37E-04
Falling head	130		21.00				
	135		21.00				
	140		21.12				
	145		21.00				
	150		20.40				
End Test	155		19.68				

Average Infiltration Rate (in/hr): 1.11E+00

Average 'k' (ft/s): 9.47E-04

Average 'k' (cm/s): 2.89E-02



Testing performed in general conformance with the Spokane Regional Stormwater Manual Appendix 4D - Single Ring Infiltrometer Test (April 2008)