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National Sedimentation Laboratory

Mississippi State University Extension Service

# Data Compilation for Conservation Effects Assessment Project: Yalobusha River Watershed, Final Report

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## EXECUTIVE SUMMARY

There is increasing private and public interest in whether the investment in conservation practice installation has been a worthy use of public funding. As part of the 2002 Farm Bill, the USDA spends around $4 billion annually on the following conservation programs: Environmental Quality Incentive Program (EQIP), Conservation Reserve Program (CRP), Conservation Security Program (CSP), Wetland Reserve Program (WRP), Wildlife Habitat Incentives Program (WHIP), and the Grassland Reserve Program (GRP). The Conservation Effects Assessment Project (CEAP) was initiated in 2003 as a joint effort between the USDA Agricultural Research Service (ARS) and the Natural Resources Conservation Service (NRCS) to quantify the benefits of applied conservation practices over the history of federal soil stewardship programs. CEAP has two components: National Assessment, and Watershed Assessment. The National Assessment will use a modeling approach to estimate the benefits of conservation practices for all watersheds of the US. The Watershed Assessment will rely on case studies from ARS Benchmark Watersheds, NRCS Special Emphasis Watersheds, and CSREES Special Grants Watersheds to provide in-depth water quality data bases for the National Assessment. The Yalobusha River Watershed (YRW) in Mississippi is one of 12 ARS Benchmark Watersheds in the Watershed Assessment CEAP effort. One of the main objectives for the YRW is to use historical data to quantify the benefits of the past applied conservation practices both environmentally and economically. This report documents data compiled by the Mississippi State University Extension Service as part of a Sub-contract Agreement (SCA) with the United States Department of Agriculture-ARS National Sedimentation Laboratory (NSL). Data collection included conservation practices established by the Natural Resource Conservation Service (NRCS), Farm Service Agency (FSA), Army Corp of Engineers (COE), and stream data from the United States Geological Survey (USGS). Conservation practice data includes: CRP, EQIP, WHIP, and COE grade control structures. A preliminary report for the smaller Topashaw Canal (TC) Watershed within the YRW is included in Appendix 5. This work found that 42% of the sediment yield in the TC watershed is from gully erosion. The most common conservation practice in the TC watershed to control gully erosion is to install grade stabilization structures. NRCS data suggest that these structures should reduce the annual sediment yield from 11.5 T/ha/yr to 0.1 T/ha/yr. However, measurements have not been made to determine the accuracy of these sediment reduction estimates. Quantification of the sediment reduction, both at the field and watershed scales, is the main focus of the watershed assessment component of this CEAP study which will be accomplished experimentally through monitoring of ephemeral gullies with and without drop-pipe structures, surveying of undisturbed gullies, along with monitoring of upstream and downstream sediment loads. However, this document strictly reports the compilation of historical data and not an analysis of these data. The landuse, conservation practices, soil distribution, and stream flow data compiled in this report will enable watershed modeling to determine how effective the CPs established since 1985 have been in reducing sediment yield.

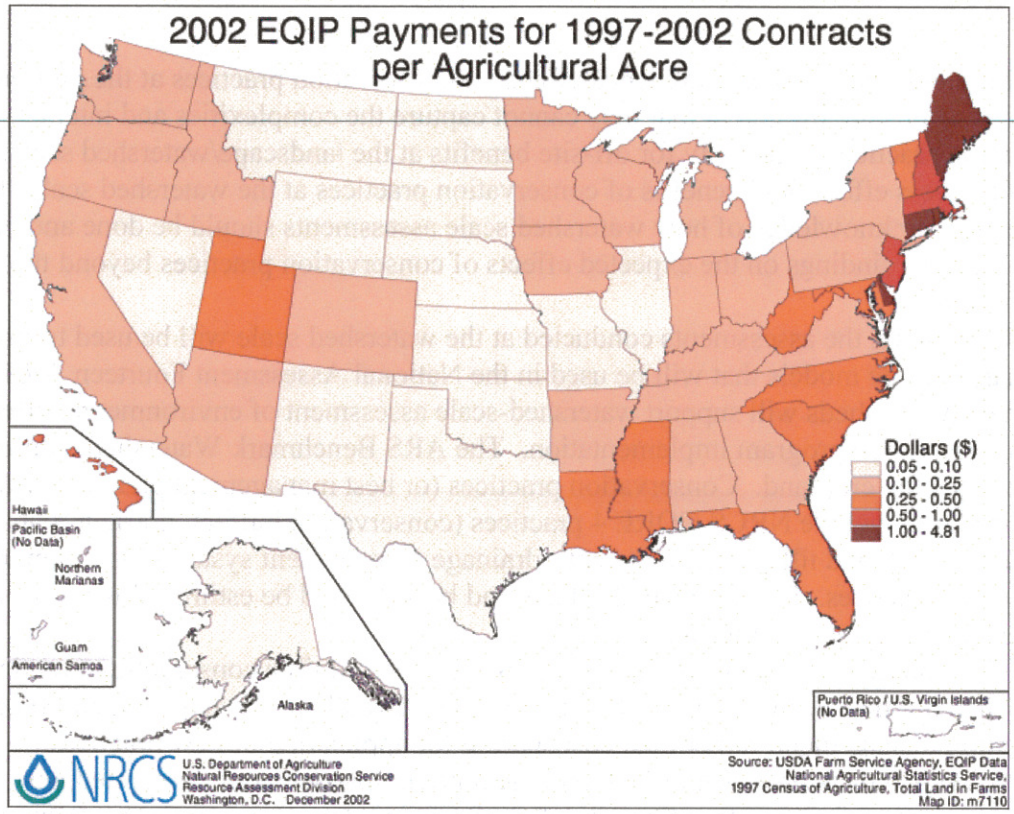



Figure 2. Distribution of EQIP funds in the United States (http://www.ers.usda.gov/Briefing/ConservationPolicy/retirement.htm).

The U.S. Department of Agriculture (USDA) implemented conservation initiatives conducted through several programs. The 2002 Farm Bill authorized an increase in the funding levels for EQIP and CRP, authorized continued funding for other conservation programs, and established new conservation programs. Overall, the 2002 Farm Bill authorized Federal expenditures for conservation practices on farms and ranches in the U.S. at a level about 80 percent above the level set under the 1996 Farm Bill. It is widely recognized that these conservation programs will protect millions of acres of agricultural land from degradation and will enhance environmental quality. The environmental benefits of the programs, however, have not been well quantified. Tracking the environmental benefits of the programs will allow policy-makers and program managers to implement and modify existing programs and design new programs to more effectively and efficiently meet the goals of Congress.

The NRCS and ARS are leading a project, known as the Conservation Effects Assessment Project (CEAP), to better quantify the effects of the USDA conservation programs. CEAP has two major components: 1) a National Assessment and 2) a Watershed Assessment Study. The National Assessment will be conducted using NRCS data and watershed-scale models developed by ARS and will provide estimates of conservation benefits at the national scale. Annual reporting began in 2005. The ARS Watershed Assessment Study (WAS), designed to provide detailed assessment of conservation programs on selected watersheds, is the subject of this project plan.

mechanistic models to quantify responses to conservation practices. The impacts of livestock and cropping systems on water quality are not sufficiently understood to guide improved conservation practices and their strategic location within watersheds. Intensive cropping systems require nutrient inputs and soil management that produce surpluses of nitrogen and phosphorus and mobilize soil in fields and streams banks that contaminate streams and aquifers. Concentration of animal feeding operations has been accompanied by intensive manure applications. There is increasing evidence that repeated applications of manure can result in increased movement of nitrogen (N), phosphorus (P) and pathogens into stream and river waters, with significant consequences for downstream water quality.

1.2 Scope of CEAP

The goal for the WAS is to provide detailed assessments of conservation programs in a few selected watersheds, provide a framework for evaluating and improving the performance of the national assessment models, and support coordinated research on the effects of conservation practices across a range of resource characteristics (such as climate, terrain, land use, and soils).

CEAP is expected to benefit the USDA Farm Bill conservation programs by providing a comprehensive analysis of resources, the quality of the environment, and social and economic benefits that accrue to rural communities and the nation from implementing conservation programs. Five objectives of CEAP-WAS are (http://ftp-fc.sc.egov.usda.gov/NHQ/nri/ceap/ceapwaswebrev121004.pdf):

1. Develop and implement a data system to organize, document, manipulate and compile water, soil, management, and economic data for assessment of conservation practices.

2. Measure and quantify water quality, water quantity, and ecosystem effects of conservation practices at the watershed scale in a variety of hydrologic and agronomic settings.

3. Quantify uncertainties of model predictions at multiple scales by comparing predictions of water quality to measured water, soil and land management effects of conservation practices.

4. Develop and apply policy planning tools to aid selection and placement of conservation practices to optimize profits, environmental quality, and conservation program efficiency.

Attaining these objectives will benefit the USDA Farm Bill conservation programs by providing a comprehensive analysis of resources, the quality of the environment, and social and economic benefits that accrue to rural communities and the nation from implementing conservation programs. The National Assessment component of CEAP is aimed at using state-of-the-science watershed models to quantify environmental outcomes of conservation practices in major agricultural regions throughout the United States. The data bases and process-level knowledge gained through CEAP-WAS will enable a more accurate CEAP National Assessment (NA). The CEAP-National Assessment will specifically address:

1. Develop and validate watershed and regional scale models that are useful to NRCS and other stakeholders for assessing the effects of conservation practices.

1.3 YRW Objectives

The overall objective for the YRW is to evaluate watershed responses to field, edge of field, and channel conservation practices. The specific objectives are:

1. Define the variability of hydrologic and biogeochemical processes that influence the effectiveness of conservation practices processes at different scales within the YRW.
2. Identify and quantify the effects of specific management / conservation practices and systems on contaminant and water transport.

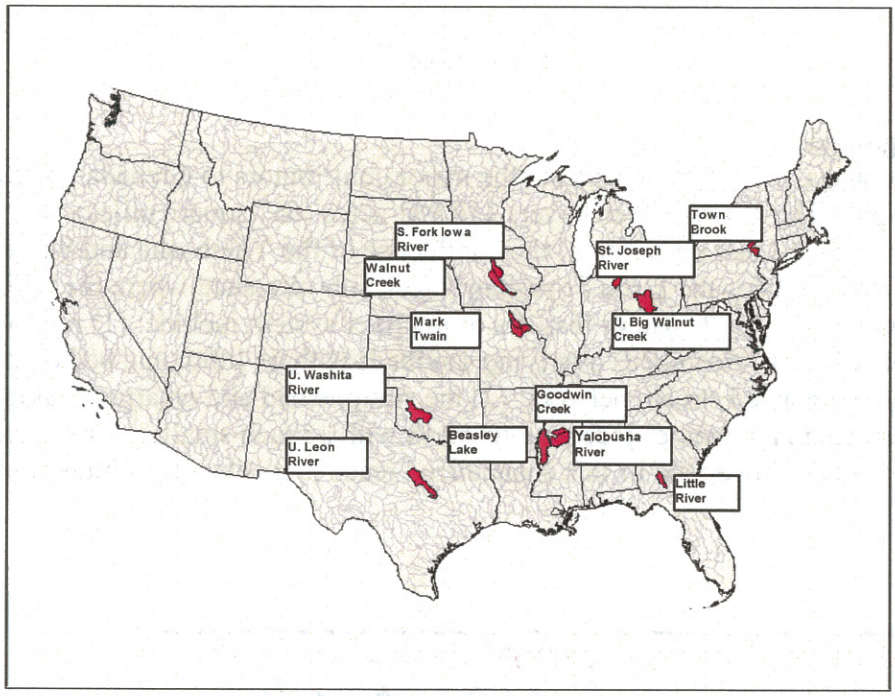



Figure 3. Locations of USDA-ARS Benchmark Watersheds.

***Approaches***

Subobjective: 1a. Compile the information collected to date in the Yalobusha River system on land use, conservation practices, and soil characteristics.

Subobjective 1b. Compile the information collected to date in the Yalobusha River system on streamflow and sediment concentrations.

Subobjective 2. Determine the effects of specific management / conservation practices and systems on contaminant and water transport processes at different scales within the YRW. The historical hydrologic and water quality data will be used to evaluate correlations with historical land use and conservation practices for various sized subwatersheds where stream data exists.

The USDA-ARS National Sedimentation Laboratory elected to accomplish Objectives 1a and 1b through an SCA position with the Mississippi State University (MSU) Cooperative

The YRW experiences deposition and flooding problems in downstream reaches, erosion via headward-progressing knickpoints, and massive bank failures in upper reaches. These general patterns are found throughout the region, and are associated with the consequences of accelerated erosion stemming from mismanagement of land and channelization. As a consequence of channel adjustment processes related to channelization in the late 1950s and early 1960s, upstream-migrating knickpoints have caused deepening of upstream reaches and tributary channels. Sufficient deepening occurred to cause significant channel widening by mass failure of channel banks. Woody vegetation, previously growing on these channel banks, delivered to the flow was transported downstream to form large debris plugs. The debris plugs function as dams, causing higher water levels and slower flow velocities than previously measured. This, in turn, causes even greater rates of deposition, further reducing channel capacity, and increasing the magnitude and frequency of floods.

## 2.2. Conservation Reserve Program

CRP data collection for the CEAP effort was compiled from USDA-FSA report (EPCE73-R002) based on the Hydrologic Unit Code (HUC) within the five-county area of the YRW. The HUC for the area of interest is 08030205. The HUC outlines the boundary in which the practices are collected for the YRW. The five counties within the boundary area are; Calhoun, Chickasaw, Grenada, Webster and Yalobusha.

The original national goals for CRP have remained over time though additional goals have been added through the years. The original national goals were to reduce erosion, improve water quality, and increase softwood timber production. Later signups would add goals to improve wildlife habitat and restore wetlands for example. The various conservation practice (CP) codes that are used for CRP documentation within the USDA Service Center offices are listed in Table 1. The codes refer to technical practices implemented on each field or field portion enrolled into CRP. CRP required the establishment of a cropping history prior to offering land for enrollment as a condition of eligibility. In some cases the land had a prior cropping history but had been planted to trees or grass at the time of acceptance into CRP. In these cases, special practice categories were established as shown in the table as CP10-Grass Already Established or CP11-Trees Already Established. In both cases a technical determination was made in the field to verify the adequacy of the cover prior to contract enrollment.

Originally, most CRP contracts were for a period of 10 years with some special practices, CP3A - Planting Hardwoods and CP22-Riparian Forest Buffer having 15 year enrollment options. As 10 year contracts began to approach expiration contract extensions were authorized and many participants extended the contract lengths for an additional 10 years.

Tree planting, primarily pines, constituted the largest portion of the CRP practices implemented in the study watershed. The most used practice in CRP practices in the YRW is tree plantings. CP3A is the planting of hardwood tree species. This program is implemented under the same requirement as CP3-Planting Pines and is eligible for a longer contract period. The normal contract period for practice CP3A-Planting Hardwoods is 15 years.

Additional practices such as CP1-Introduced Grasses is the seeding of eligible grasses on cropland to provide cover to control most forms of erosion. Practice CP10-Eligible Grasses Already Established is primarily used on fields that meet CRP cropland eligibility (cultivated 2

grass, trees, and shrubs. Net acreage does not count re-enrolled acres but rather reflects the net change in land use from cropland to permanent cover as a result of enrollment in CRP.

Table 2. Net CRP Acreage by County Enrolled in the Study Watershed 1996-2006.

| County | Net CRP Acres Enrolled† |
|---|---|
| Calhoun | 13,926.9 |
| Chickasaw | 16,034 |
| Grenada | 5,372.8 |
| Webster | 5,424.4 |
| Yalobusha | 1,935.8 |

† May contain a small amount of double counted acreage due to re-enrollments

2.3 Environmental Quality Incentives Program

Prior to 2001 the requested EQIP data was not in electronic spreadsheet form. From personal and electronic communications with the Area NRCS office in Tupelo, Mississippi electronic data were received on EQIP funding for years1996-2001.

The fiscal years 1999, 2000 and 2001 data were reported through what was known as the EQIP Priority Area, Figure 5. The priority area included a six county area known as the Grenada Yalobusha Watershed. The counties were Calhoun, Chickasaw, Grenada, Pontotoc, Webster and Yalobusha. Later, the priority area boundary changed removing Pontotoc as one of the focus counties.

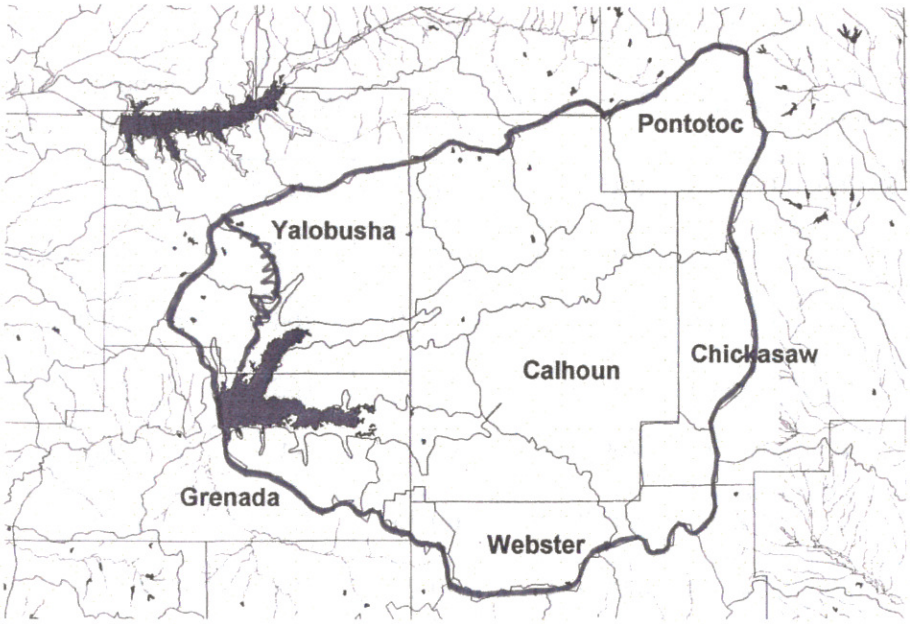



Figure 5. The boundary for the EQIP Priority Area conservation program.

## 3.1 YRW Description:

### 3.1.1 Digital Elevation Model (DEM)

The topographic information for the YRW was obtained from spatial representations of elevation contained within digital elevation models (DEMs) acquired from the USGS corresponding to each 7.5 minute quad map contained in the watershed. These DEM quads were then meshed together to form a DEM for the entire watershed, Figure 6. Based on the stream network and the DEM , watershed and subwatershed boundaries were delineated from the outlet designated for the YRW using TOPAGNPS and AGFLOW (a Fortran program to generate DEM related input parameters).



Figure 6. Digital elevation model of the Yalobusha River Watershed.

### 3.1.2 Nested YRW Boundary

While conservation practice data were collected for the entire YRW, during digitization of the spatial coordinates for these practices it became evident that the YRW was too large to complete within the time frame of the SCA. Therefore a smaller watershed, the Topashaw Canal watershed, TCW, was selected for more intensive analysis (Wilson et al., 2007). The USGS stream gaging stations on Topashaw Canal at Hohenlinden (latitude 33°45'29" and longitude 89°10'43") was chosen to redefine the CEAP study watershed (TC Watershed) because it included continuous measurements of both stream discharge and sediment concentration for the period of interest. Thus, the YRW provides a nested watershed data base for future analysis, Figure 7.

to remove minor soils polygons. This was accomplished by absorbing the minor soil polygons into an adjacent soil series with the largest shared length of border. Based on soil characteristics, no common soil series was found for the Longview, which occupies an insignificant area (131 ACRES, OR 0.03%) within the watershed. The Longview soil was not eliminated from the dataset on the basis of size, as the individual Longview soil polygons were above the threshold to be considered for geographic processing. In addition, there were numerous locations listed as sand pits, gravel pits, mining... that were lumped into a common category of gravel pits which occupied 227 acres (0.1%) in the YRW. The rectified soils distribution was plotted for the YRW (Figure 8) and a brief description of the major soil series within the YRW is provided.

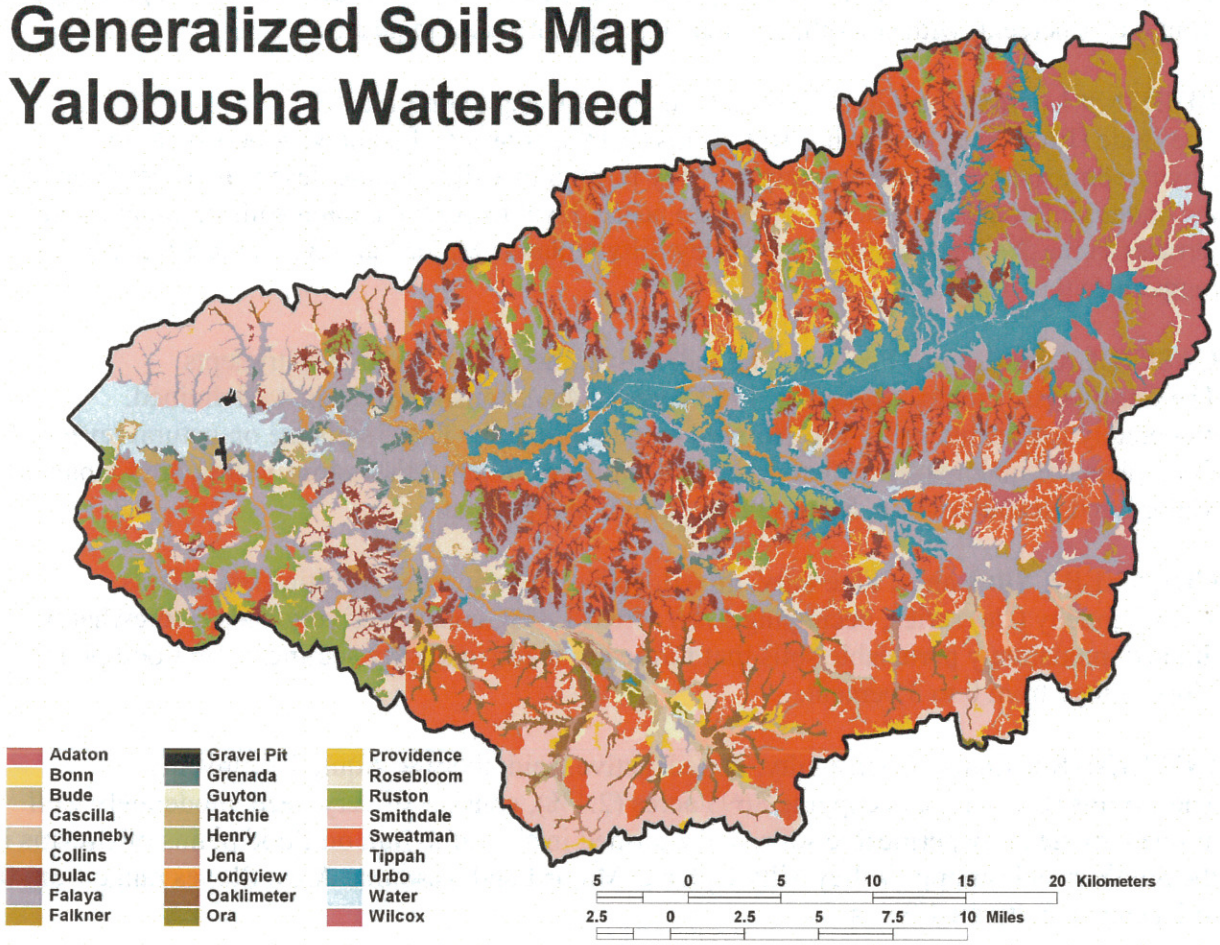



Figure 8. The soil series distribution within the YRW. Soil series occupying less than 0.1% of the YRW area were omitted.

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They are subject to flooding and are saturated with water at 1 to 2 feet during periods of high rainfall. Slopes range from 0 to 2 percent.

**FALKNER Silt Loam:** Fine-silty, siliceous, active, thermic Aquic Paleudalfs
The Falkner (Fk) series, occupying 15621 acres (3.8%), consists of deep somewhat poorly drained soils formed in a thin silty mantle and the underlying clayey marine deposits. Permeability is slow. These are nearly level and gently sloping soils in uplands and on stream terraces of the Southern Mississippi Valley Silty Uplands, Blackland Prairie, and the Southern Coastal Plain Major Land Resource Areas. Slopes range from 0 to 8 percent.

**GRENADA Silt Loam**: Fine-silty, mixed, active, thermic Oxyaquic Fraglossudalfs
The Grenada (Gr) series, occupying 3057 acres (0.7%), consists of very deep, moderately well drained soils that formed in thick loess. These soils are shallow or moderately deep to a fragipan that perches water during wet seasons in late winter and early in spring. Permeability is moderate above the fragipan and slow in the fragipan. These nearly level to strongly sloping soils are in the Southern Mississippi Valley Silty Uplands. Slopes range from 0 to 12 percent.

**GUYTON Silt Loam**: Fine-silty, siliceous, active, thermic Typic Glossaqualfs
The Guyton (Gy) series, occupying 708 acres (0.2%), consists of very deep, poorly drained and very poorly drained, slowly permeable soils that formed in thick loamy sediments. These soils are on Coastal Plain local stream flood plains and in depressional areas on late Pleistocene age terraces. Slopes range from 0 to 1 percent on a local stream alluvial plain, in hardwood woodland.

**HATCHIE Silt Loam:** Fine-silty, siliceous, active, thermic Aquic Fraglossudalfs
The Hatchie (Ha) series, occupying 10304 acres (2.5%), consists of very deep, somewhat poorly drained soils on low stream terraces in the Coastal Plain region. The soil formed in a mantle of loess over loamy alluvium. The soil has a fragipan in the lower subsoil. Slopes range from 0 to 2 percent.

**HENRY Silt Loam**: Coarse-silty, mixed, active, thermic Typic Fragiaqualfs
The Henry (He) series, occupying 4218 acres (1.0%), consists of very deep, poorly drained soils that have a slowly permeable fragipan in the subsoil. These soils formed in loess more than 4 feet in thick in depressions and nearly level areas on uplands and terraces; MLRA 134. Slopes are dominantly less than 1 percent, but range from 0 to 2 percent.

**JENA Silt Loam**: Coarse-loamy, siliceous, active, thermic Fluventic Dystrudepts
The Jena (Je) series, occupying 1899 acres (0.5%), consists of deep, well drained, moderately permeable soils formed in thick loamy sediments on recent alluvial plains. These soils are on slightly convex natural levees of streams in the Coastal Plains. Water runs off the surface at a negligible to low rate. Slope is dominantly less than 1 percent, but ranges up to 3 percent.

**LONGVIEW Silt Loam**: Fine-silty, siliceous, active, thermic Glossaquic Hapludalfs
The Longview (Lw) series, occupying 131 acres (0.0%), consists of deep, somewhat poorly


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Coastal Plain. They formed in marine sediment consisting of thinly bedded clayey shales and sandy and loamy material. The average annual air temperature is about 63 degrees F. and the average annual precipitation is about 50 inches. Slopes range from 1 to 35 percent.

**TIPPAH Silt Loam**: Fine-silty, mixed, active, thermic Aquic Paleudalfs
The Tippah (Ti) series, occupying 18262 acres (4.4%), consists of deep, moderately well drained soils formed in a thin layer of silty material and the underlying acid clayey sediment. Permeability is moderate in the surface and upper part of the subsoil and slow in lower part of the subsoil. These nearly level to strongly sloping soils are in landscapes with low relief in the Southern Mississippi Valley Silty Uplands. Slopes range from 0 to 12 percent.

**URBO Silty Clay Loam**: Fine, mixed, active, acid, thermic Vertic Epiaquepts
The Urbo (Ur) series, occupying 27365 acres (6.6%), consists of deep, somewhat poorly drained soils. Permeability is very slow. These nearly level to gently sloping soils formed in clayey alluvium on flood plains of streams that drain uplands of the Southern Coastal Plain and Blackland Prairie Major Land Resource Areas. Slopes range from 0 to 3 percent.

**WILCOX Clay**: Very-fine, smectitic, thermic Chromic Dystruderts
The Wilcox (Wi) series, occupying 12180 acres (2.9%), consists of deep, somewhat poorly drained, very slowly permeable soils formed in clayey sediments overlying shale. They are on uplands of the Southern Coastal Plain Major Land Resource Area. Near the type location, the average annual air temperature is about 63 degrees F., and the average annual precipitation is about 53 inches. Slopes range from 1 to 35 percent.

### 3.1.4 Landuse Distribution

The landuse information describing the watershed was obtained from a July 31, 1991 Landsat image covering the northeastern area of Mississippi. The Upper Yalobusha River Basin was contained within this Landsat image. The soils information was obtained from the Mississippi Automated Resource Information System (MARIS) (http://www.maris.state.ms.us/). The MARIS system was formed by the Mississippi legislature in 1986 to serve as the state government clearinghouse for digital spatial data about Mississippi. The land use, Figure 9, of the YRW consists of 18% cropland, 19% pasture or grassed areas, 53% forested areas, 6% wetland that is largely forest, and 4% surface water or urban areas.


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constituted 97% of the funds. From an area standpoint, CP3 and CP 22 were about equal and combined with CP3A represents the conversion of about 10% of the total YRW during this 10 year period.

Table 4. Cumulative CRP practices for YRW 1996-2006.

| Practice | Acreage (Ac) | Cost-Share ($) |
|---|---|---|
| CP1 | 326 | 19,103 |
| CP11 | 61 | 2,394 |
| CP12 | 2 | 3,451 |
| CP15A | 1 | 60 |
| CP2 | 100 | 9,325 |
| CP21 | 1244 | 78,501 |
| CP22 | 17987 | 759,402 |
| CP23 | 92 | 6,412 |
| CP3 | 17240 | 3,053,948 |
| CP31 | 255 | 12,292 |
| CP3A | 5226 | 1,997,205 |
| CP4D | 56 | 5,736 |
| CP9 | 105 | 12,077 |

Table 5 provides a summary of CRP by county with column one indicating the county in which the data was collected for the watershed, column two is the total number of farms, column three is total acreage placed in the CRP and column four indicates the actual cost-share amount spent by the USDA-FSA on these practices. The monetary amount is the expenditures by the USDA-FSA for the installed practices. The cost-share values are paid only as a percentage of actual cost of the implemented practice. The landowner has to cover part of the expense to implement these programs. The type of land, either erodible or highly erodible (HEL), will determine the actual cost share value upon program implementation. Normal distribution is based on the erodibility, the higher the erosion factor, greater the cost-share applied. Therefore, column 4 does not include the landowner's cost share amount.

CRP practice technical data collected in the five-county areas is reported as a function of time in Table 6. Column one indicates the year the practice(s) were implemented, column two is the total number of farms, column three is total acreage and column four indicates the actual cost-share amount spent by the USDA-FSA on these practices.


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technical assistance available. The technical aspects are developed by the standards set by NRCS. Through this voluntary program specific conservation practices are developed to help safeguard environmentally sensitive lands. Landowners and producers participating in EQIP do so to establish a long-term improvement plan to create greater sustainability for water quality, soil erosion control and to help safeguard wildlife habitat.

EQIP for Mississippi has been one of the most difficult to track for the total amount of acreage affected by the conservation programs implemented. The acreage impacted by grade stabilization structures, i.e. drop pipes, which is EQIP practice 410, is not accounted for in the NRCS planning and reporting system. Reported acreage for this particular practice represents the number of structures installed and not the actual acreage benefited from these structures. The calculation for the acreage is much different from the FSA in that CRP accounts for all acreage enrolled. EQIP is unique in that the amount of soil saved by these practices is reported through calculation of soil loss verses soil saved, as described in Appendix 5 for the Topashaw Canal watershed. Thus, for the overall reporting of EQIP, the acreage treated will be small compared to actual cost share paid for the impacted acres.

Summary of the EQIP data collected for the YRW area is reported as a function of time in Table 7. The summary includes all collected practice data for each of the referenced five counties within the boundary area. Column one is the year in which the data were collected for the watershed, column two is the total number of contracted farms, column three is the total acreage placed in the EQIP and column four indicates the actual cost-shared amount spent by the USDA-NRCS on these practices. Individual farm level data for EQIP practices installed within the YRW from 1996 to 2006 are reported in Appendix 2. Prior to 2001 there was a limited amount of electronic data that could be analyzed. Data reported for EQIP program years 1996 to 2002 are based on both electronic and verbal communications with the USDA-NRCS staff.

Table 7. Summary of EQIP Practices 2002-2006.

| Year | Farms | Acreage (acre) | Cost Share ($) |
|---|---|---|---|
| 2002 | 74 | 356.67 | 320413.00 |
| 2003 | 100 | 1083.72 | 473180.00 |
| 2004 | 208 | 4265.90 | 580000.00 |
| 2005 | 205 | 2412.60 | 591187.00 |
| 2006 | 480 | 1221 | 918743.39 |

Prior to 2002 electronic spreadsheet data being available, information gathered from hardcopy files reported total number of contracts and total amount of soil saved. The data for this period are reported in Table 8 in which column one indicates the county that the practice was implemented, the actual tract number for which the practice was installed in column 2, and the total amount of soil saved by the practice implementation in column 3. Only three contracts were funded prior to 2002 (1997 and 1998) in the YRW. During 1997 and 1998, the practices implemented were grade stabilization structure, i.e., drop pipes. The nature of installing the drop


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The EQIP has many different conservation practice methods that are employed to gain the intended outcome of each practice. The individual conservation practice codes and the respective names that data were implemented in the YRW during 2002 to 2006 are presented in Table 1. Theses codes indicate the type of conservation method that has been approved and contracted for implementation by the landowner. Table 10 outlines the various practices and how some of those practices are intertwined with other practices listed in Appendix 2. A single contracted farm could have more than three practices on the same acreage. The simultaneous implementation of conservation practices may cause the reported acreage for the YRW to be greater than the 168,750 ha watershed area.

Table 10. Environmental Quality Incentives Program codes for Yalobusha River watershed (http://www.ms.nrcs.usda.gov/programs/MSCountyEQIPInformation.html; http://www.ar.nrcs.usda.gov/programs/eqip/eqip_practice_descriptions_2007.html).

| Practice Codes | Practice |
|---|---|
| 313 | Waste Storage Facility (Dry/Freezer Unit) |
| 317 | Composting Facility |
| 338 | Prescribed Burning |
| 342 | Critical Area Planting |
| 350 | Sediment Basin |
| 351 | Well Decommissioning |
| 362 | Diversions |
| 378 | Pond |
| 381 | Silvopasture |
| 382 | Fence/Electric |
| 386 | Field Border |
| 410 | Grade Stabilization Structure |
| 412 | Grass Waterway |
| 490 | Forest Site Preparation |
| 512 | Pasture & Hay land Planting |
| 561 | Heavy Use Area Protection |
| 578 | Stream Crossing |
| 580 | Stream bank & Shoreline Protection |
| 587 | Structure for Water Control |


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runoff; Tree/Shrub Establishment (612) is the planting of seedlings and small shrubs; Watering Facilities (614) is the installation of troughs for livestock; Waste Utilization (633) use of agricultural waste such as manure, or other organic residues; Manure Transfer (634) is a conveyance system using structures, conduits, or equipment for the purpose of transferring animal manures; Quality Vegetative Management (645) is for management of pest and nutrients; Forest Harvest Trails & Landings (655) is for land preparation for pine and hardwood forest harvesting; Stream Crossing (728) is to develop a permanent stream crossing on roads, grassland and forest land; Residue Management/No-Till/Winter cover crops (329A) is an incentive program to support conservation tillage and residue management; Riparian Forest Buffer (391A) is an area of predominantly trees and/or shrubs established along a watercourse or water body for the purpose of improving water quality and riparian wildlife habitat, and increasing carbon storage; Contract Completion Incentive (CCI) was offered in 2006 as a financial incentive for participants to complete all structural practices in the contract within the first (A) or second (B) year.

A summary of the EQIP data for 2002 to 2006 by practice is provided in Table 11. These data clearly indicate the significance of grade control structures (410). Grade control structures constituted 69% of the total EQIP funds and an order of magnitude more than the next highest practice which is nutrient management for livestock (590). The next three highest, nutrient management (590), forest site preparation (490), ponds (378) and tree establishment (612) constitute only 7%, 4%, 3% and 3% of the area. All other practices are minor, receiving less than 2% of the funds. From an area standpoint, grade stabilization is still the most common practice even though, as discussed previously, the area associated with this practice is not well defined. The true area associated with grade stabilization structures would be the hydrologic contributing area (i.e. subwatershed contributing runoff to the drop-pipe) but this is not easily estimated.

Table 11. Cumulative acreage and cost-share for YRW during 2002 to 2006 by EQIP practice.

| Practice | Acreage (Ac) | Cost-Share ($) |
|---|---|---|
| 0 | 1200.0 | 1,140 |
| 313 | 0.6 | 65,798 |
| 317 | 1.2 | 23,348 |
| 338 | 63.6 | 2,123 |
| 342 | 43.2 | 29,102 |
| 350 | 9.0 | 26,456 |
| 351 | 6.0 | 900 |
| 362 | 21.6 | 21,724 |
| 378 | 122.0 | 109,543 |
| 381 | 1.0 | 1,674 |


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(http://www.usace.army.mil/who/). For the purpose of this research, grade stabilization structures, e.g. drop pipes, for the YRW needed to be documented. Data collected from the CoE are listed in Appendix 3. The number of drop pipes installed in the YRW boundary area was 143 total pipes, Figure 10, with 43 in the TC watershed and 5 in the LTC subwatershed. Data provided by the CoE did not document whether the pipes installed during this period of record were new drop-pipes or if some of these installations were to replace pre-existing drop-pipes.

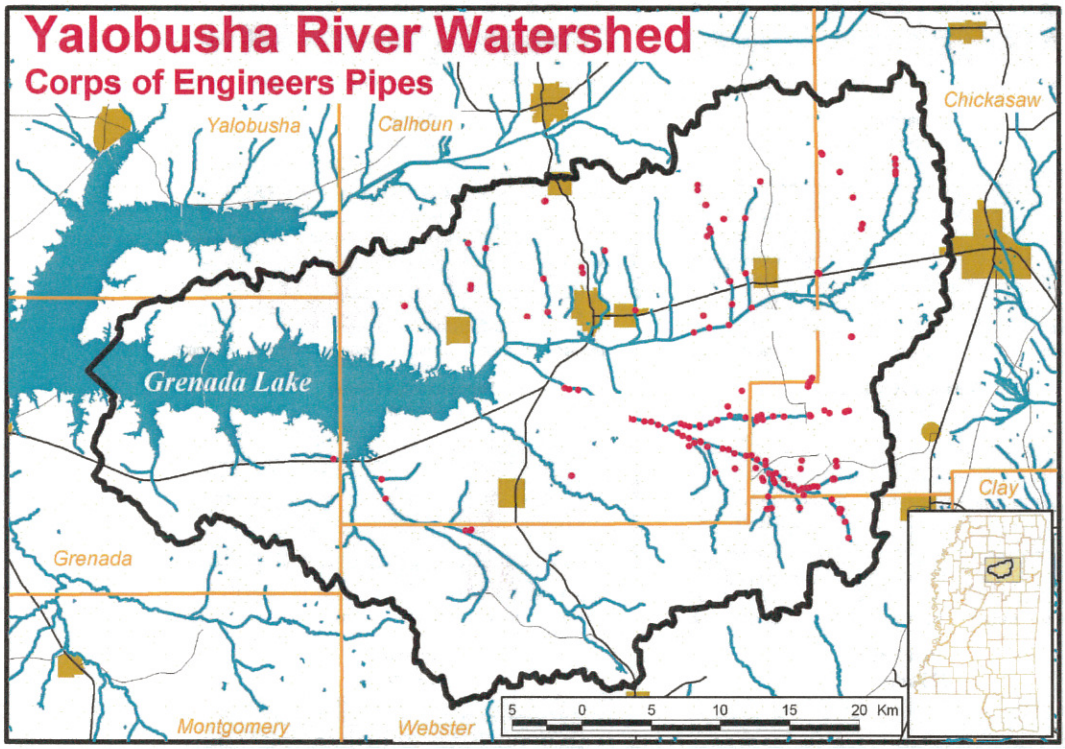



Figure 10. Locations of grade control structures, i.e. drop-pipes, installed within the YRW by the CoE.

3.5 USGS Streamflow Data

Continuous measurements of stream discharge have been made by USGS at six locations within the defined YRW. These measurements include three locations on the main channel of the Yalobusha River Canal, two on the Topashaw Creek Canal and one on Bear Creek. The daily streamflow and sediment concentration data provided by the USGS are included in Appendix 4. The period of record for these data are not consistent among sites, Figure 11. The earliest records of streamflow (1995) were for the Calhoun site, however, these data were no longer available after 1998. The site on Topashaw Canal near Calhoun also had data for a limited period of record (1996 to1997). The longest records of both streamflow and sediment concentration in the YRW


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## CONCLUSIONS

There have been major changes in the YRW and the surrounding region as a result of the Conservation Title of the 1985, 1992, 1997, and 2002 Farm Bills. This has included a major shift of cropland, particularly on highly erodible lands (HEL), to permanent cover of grass and/or trees due to CRP. In addition, the remaining cropland is almost exclusively on less erodible land and is managed with cropping and tillage systems, such as no-till, buffer strips, contour terraces, etc., that enable production while attaining conservation compliance requirements. This report has sought to compile data within the YRW on conservation practices installed under the Farm Bill, landuse, distribution of soils, and historic stream flow and sediment concentration measurements such that an analysis of the benefits of these programs can be assessed.

It is premature to make definitive assessments of the benefits of these conservation programs for the YRW. However, Wilson et al., (2007) provided a preliminary assessment for the smaller TC watershed within the YRW which is included in Appendix 5. General findings include:

(i) Due to the deeply incised nature of the stream channel as a result of historic channelization programs, streams within the watershed exhibit flashy hydrologic response to storms with high sediment concentrations. Thus, sediment is the primary cause of stream impairment.

(ii) CRP is the most prevalent conservation practice by acreage within the YRW and the smaller TC watershed.

(iii) The combination of incised channels and dramatic shift in landuse to conservation practices such as CRP, have contributed to streambank failure and gully erosion being the primary sources of current sediment yields. Wilson et al (2007) estimated for the TC watershed that gully erosion accounts for 42% of the sediment yield and Simon and Darby (1999) estimate that this source combined with sediment from streambank failure accounts for up to 85% of the sediment yield (Simon and Darby, 1999).

(iv) The acreage attributed to grade stabilization structures (Practice Code 410) was not accounted for, however, from a funding stand point this is currently the most prevalent practice in the watershed.

(v) Grade stabilization structures are the main practice designed for controlling erosion of gully inlets due to bank failures associated with convergent surface runoff, and, the reduction in erosion by this practice will be quantified experimentally and assessed numerically in the TC watershed as part of the CEAP Watershed Assessment Studies.


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## ACKNOWLEDGMENTS

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## DISCLAIMER

Information presented in this document is considered public information (unless otherwise noted) and may be distributed or copied. We strongly recommend that data be acquired directly from the agency that provided data for this report, i.e. CP data directly from NRCS and FSA, and stream data from USGS. While every effort has been made to provide accurate and complete information, the MSU Extension Service provides no guarantee as to the accuracy, reliability or completeness of these data. Some of the information referenced in this document are from websites created and maintained by other agencies.



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Wilson, G.W., P. Reid-Rhoades, R.L. Bingner, D.A. DiCarlo, and S.M. Dabney. 2007. Conservation Practices in Little Topashaw Creek CEAP Watershed, Mississippi. J. Soil and Water Conservation (submitted).


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|---|---|---|---|---|---|
| Calhoun | 1998 | 3216 | CP 3 | 13.2 | $607.00 |
| Calhoun | 1998 | 3316 | CP 3 | 6.7 | $201.00 |
| Calhoun | 1998 | 3348 | CP 3 | 16.4 | $754.00 |
| Calhoun | 1998 | 3363 | CP 3 | 73.5 | $3,374.00 |
| Calhoun | 1999 | 151 | CP 22 | 45.6 | $1,550.00 |
| Calhoun | 1999 | 223 | CP 22 | 14.7 | $500.00 |
| Calhoun | 1999 | 247 | CP 22 | 55.5 | $1,887.00 |
| Calhoun | 1999 | 278 | CP 22 | 16.6 | $564.00 |
| Calhoun | 1999 | 352 | CP 22 | 13.7 | $466.00 |
| Calhoun | 1999 | 386 | CP 22 | 8.3 | $282.00 |
| Calhoun | 1999 | 413 | CP 3 | 31.6 | $948.00 |
| Calhoun | 1999 | 476 | CP 22 | 17.1 | $581.00 |
| Calhoun | 1999 | 511 | CP 22 | 17.2 | $585.00 |
| Calhoun | 1999 | 529 | CP 22 | 2.5 | $175.00 |
| Calhoun | 1999 | 591 | CP 22 | 21.7 | $1,085.00 |
| Calhoun | 1999 | 609 | CP 3 | 97 | $2,910.00 |
| Calhoun | 1999 | 681 | CP 3 | 49.5 | $1,485.00 |
| Calhoun | 1999 | 688 | CP 3 | 10.5 | $315.00 |
| Calhoun | 1999 | 737 | CP 3 | 25.2 | $756.00 |
| Calhoun | 1999 | 748 | CP 3 | 20.4 | $612.00 |
| Calhoun | 1999 | 768 | CP 22 | 14.4 | $490.00 |
| Calhoun | 1999 | 864 | CP 22 | 10.3 | $384.00 |
| Calhoun | 1999 | 873 | CP 22 | 15.8 | $537.00 |
| Calhoun | 1999 | 937 | CP 22 | 9 | $306.00 |
| Calhoun | 1999 | 1098 | CP 22 | 1.9 | $65.00 |
| Calhoun | 1999 | 1119 | CP 22 | 13.2 | $449.00 |
| Calhoun | 1999 | 1145 | CP 22 | 16 | $544.00 |
| Calhoun | 1999 | 1187 | CP 3 | 9.1 | $273.00 |
| Calhoun | 1999 | 1199 | CP 22 | 10.6 | $360.00 |
| Calhoun | 1999 | 1214 | CP 22 | 1.1 | $37.00 |
| Calhoun | 1999 | 1216 | CP 3 | 6 | $180.00 |
| Calhoun | 1999 | 1281 | CP 22 | 15.2 | $517.00 |
| Calhoun | 1999 | 1559 | CP 22 | 9.7 | $330.00 |
| Calhoun | 1999 | 1691 | CP 22 | 22.2 | $755.00 |
| Calhoun | 1999 | 1878 | CP 22 | 6.4 | $218.00 |
| Calhoun | 1999 | 1967 | CP 3 | 14.6 | $438.00 |
| Calhoun | 1999 | 1967 | CP 22 | 9.5 | $323.00 |
| Calhoun | 1999 | 1985 | CP 22 | 2.8 | $95.00 |
| Calhoun | 1999 | 2046 | CP 3 | 88.9 | $3,023.00 |
| Calhoun | 1999 | 2176 | CP 22 | 83.6 | $2,842.00 |
| Calhoun | 1999 | 2245 | CP 3 | 4.7 | $160.00 |
| Calhoun | 1999 | 2364 | CP 3 | 51.2 | $1,741.00 |
| Calhoun | 1999 | 2466 | CP 22 | 17 | $578.00 |
| Calhoun | 1999 | 2498 | CP 3 | 43.2 | $1,469.00 |


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|---|---|---|---|---|---|
| Calhoun | 2000 | 852 | CP 3 | 10.7 | $364.00 |
| Calhoun | 2000 | 864 | CP 3 | 10.6 | $360.00 |
| Calhoun | 2000 | 873 | CP 3 | 9.7 | $330.00 |
| Calhoun | 2000 | 900 | CP 22 | 12.4 | $422.00 |
| Calhoun | 2000 | 912 | CP 22 | 9 | $306.00 |
| Calhoun | 2000 | 937 | CP 3 | 7.2 | $207.00 |
| Calhoun | 2000 | 983 | CP 3 | 113.7 | $3,288.00 |
| Calhoun | 2000 | 1044 | CP 3 | 239.2 | $6,909.00 |
| Calhoun | 2000 | 1046 | CP 22 | 25.8 | $877.00 |
| Calhoun | 2000 | 1053 | CP 22 | 3.8 | $129.00 |
| Calhoun | 2000 | 1211 | CP 22 | 29.1 | $989.00 |
| Calhoun | 2000 | 1296 | CP 22 | 12.4 | $422.00 |
| Calhoun | 2000 | 1347 | CP 22 | 8.7 | $296.00 |
| Calhoun | 2000 | 1397 | CP 22 | 27.5 | $935.00 |
| Calhoun | 2000 | 1499 | CP 3 | 39.2 | $1,129.00 |
| Calhoun | 2000 | 1688 | CP 22 | 5.4 | $184.00 |
| Calhoun | 2000 | 1878 | CP 3 | 13 | $374.00 |
| Calhoun | 2000 | 1902 | CP 22 | 4.5 | $153.00 |
| Calhoun | 2000 | 2106 | CP 22 | 9.9 | $337.00 |
| Calhoun | 2000 | 2176 | CP 3 | 105.8 | $3,597.00 |
| Calhoun | 2000 | 2223 | CP 3 | 83.1 | $2,825.00 |
| Calhoun | 2000 | 2223 | CP 22 | 34.9 | $1,187.00 |
| Calhoun | 2000 | 2328 | CP 3 | 31.7 | $915.00 |
| Calhoun | 2000 | 2466 | CP 3 | 17.3 | $588.00 |
| Calhoun | 2000 | 2481 | CP 22 | 66 | $2,243.00 |
| Calhoun | 2000 | 2498 | CP 3 | 89.4 | $2,716.00 |
| Calhoun | 2000 | 2660 | CP 22 | 5.6 | $190.00 |
| Calhoun | 2000 | 2683 | CP 22 | 2.6 | $88.00 |
| Calhoun | 2000 | 2684 | CP 22 | 3.3 | $112.00 |
| Calhoun | 2000 | 2716 | CP 3A | 6.4 | $488.00 |
| Calhoun | 2000 | 2777 | CP 3 | 27.7 | $846.00 |
| Calhoun | 2000 | 2777 | CP 22 | 36.7 | $1,248.00 |
| Calhoun | 2000 | 2894 | CP 3 | 26 | $745.00 |
| Calhoun | 2000 | 2928 | CP 22 | 2 | $68.00 |
| Calhoun | 2000 | 2929 | CP 3 | 19.6 | $568.00 |
| Calhoun | 2000 | 2929 | CP 22 | 13.1 | $445.00 |
| Calhoun | 2000 | 2946 | CP 3 | 59 | $1,703.00 |
| Calhoun | 2000 | 2947 | CP 3 | 15.3 | $462.00 |
| Calhoun | 2000 | 3022 | CP 22 | 28.8 | $979.00 |
| Calhoun | 2000 | 3042 | CP 3 | 1.5 | $44.00 |
| Calhoun | 2000 | 3075 | CP 22 | 66.4 | $2,985.00 |
| Calhoun | 2000 | 3078 | CP 22 | 20.5 | $697.00 |
| Calhoun | 2000 | 3079 | CP 22 | 92.7 | $3,152.00 |
| Calhoun | 2000 | 3112 | CP 3 | 22 | $636.00 |


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|---|---|---|---|---|---|
| Calhoun | 2001 | 978 | CP 22 | 18.9 | $643.00 |
| Calhoun | 2001 | 991 | CP 22 | 7 | $441.00 |
| Calhoun | 2001 | 1046 | CP 3 | 34.1 | $1,159.00 |
| Calhoun | 2001 | 1087 | CP 22 | 150.1 | $2,886.00 |
| Calhoun | 2001 | 1105 | CP 22 | 19.3 | $656.00 |
| Calhoun | 2001 | 1141 | CP 22 | 42 | $3,526.00 |
| Calhoun | 2001 | 1203 | CP 22 | 3.7 | $126.00 |
| Calhoun | 2001 | 1226 | CP 22 | 13 | $442.00 |
| Calhoun | 2001 | 1228 | CP 22 | 11.3 | $622.00 |
| Calhoun | 2001 | 1261 | CP 22 | 12.3 | $418.00 |
| Calhoun | 2001 | 1423 | CP 22 | 27.7 | $942.00 |
| Calhoun | 2001 | 1478 | CP 3 | 39.8 | $1,353.00 |
| Calhoun | 2001 | 1478 | CP 21 | 20 | $1,600.00 |
| Calhoun | 2001 | 1478 | CP 22 | 52.6 | $1,788.00 |
| Calhoun | 2001 | 1509 | CP 22 | 40.2 | $5,933.00 |
| Calhoun | 2001 | 1518 | CP 22 | 17.8 | $605.00 |
| Calhoun | 2001 | 1592 | CP 22 | 19 | $742.00 |
| Calhoun | 2001 | 1939 | CP 3 | 34.8 | $1,183.00 |
| Calhoun | 2001 | 2056 | CP 22 | 8.5 | $289.00 |
| Calhoun | 2001 | 2082 | CP 22 | 62.9 | $2,139.00 |
| Calhoun | 2001 | 2097 | CP 22 | 93.4 | $3,176.00 |
| Calhoun | 2001 | 2153 | CP 22 | 11.1 | $377.00 |
| Calhoun | 2001 | 2176 | CP 22 | 22.8 | $1,436.00 |
| Calhoun | 2001 | 2241 | CP 22 | 54.9 | $5,659.00 |
| Calhoun | 2001 | 2245 | CP 3 | 17.5 | $595.00 |
| Calhoun | 2001 | 2245 | CP 22 | 8.6 | $541.00 |
| Calhoun | 2001 | 2310 | CP 22 | 4.8 | $622.00 |
| Calhoun | 2001 | 2396 | CP 22 | 75.6 | $2,570.00 |
| Calhoun | 2001 | 2444 | CP 3 | 33.7 | $1,146.00 |
| Calhoun | 2001 | 2481 | CP 3 | 34.4 | $1,169.00 |
| Calhoun | 2001 | 2483 | CP 22 | 15.7 | $3,989.00 |
| Calhoun | 2001 | 2498 | CP 3 | 24.1 | $819.00 |
| Calhoun | 2001 | 2504 | CP 22 | 53.6 | $1,823.00 |
| Calhoun | 2001 | 2618 | CP 3 | 24.4 | $830.00 |
| Calhoun | 2001 | 2618 | CP 22 | 3 | $102.00 |
| Calhoun | 2001 | 2628 | CP 22 | 34.8 | $1,184.00 |
| Calhoun | 2001 | 2632 | CP 22 | 9.4 | $320.00 |
| Calhoun | 2001 | 2646 | CP 3 | 555.5 | $18,887.00 |
| Calhoun | 2001 | 2653 | CP 22 | 2.4 | $82.00 |
| Calhoun | 2001 | 2660 | CP 3 | 3.4 | $116.00 |
| Calhoun | 2001 | 2665 | CP 22 | 44.9 | $3,202.00 |
| Calhoun | 2001 | 2680 | CP 3 | 102.8 | $3,495.00 |
| Calhoun | 2001 | 2680 | CP 22 | 41.5 | $1,411.00 |
| Calhoun | 2001 | 2721 | CP 21 | 18 | $1,440.00 |


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|---|---|---|---|---|---|
| Calhoun | 2001 | 3313 | CP 3 | 19.2 | $653.00 |
| Calhoun | 2001 | 3313 | CP 22 | 37.4 | $1,272.00 |
| Calhoun | 2001 | 3349 | CP 22 | 126.6 | $4,304.00 |
| Calhoun | 2001 | 3354 | CP 3 | 7.9 | $408.00 |
| Calhoun | 2001 | 3354 | CP 21 | 144.3 | $11,544.00 |
| Calhoun | 2001 | 3354 | CP 22 | 18.1 | $2,340.00 |
| Calhoun | 2001 | 3382 | CP 3 | 29.4 | $1,000.00 |
| Calhoun | 2001 | 3382 | CP 22 | 21 | $714.00 |
| Calhoun | 2001 | 3400 | CP 3 | 11.4 | $388.00 |
| Calhoun | 2001 | 3400 | CP 22 | 8.3 | $282.00 |
| Calhoun | 2002 | 43 | CP 22 | 44.9 | $1,527.00 |
| Calhoun | 2002 | 92 | CP 22 | 1.2 | $41.00 |
| Calhoun | 2002 | 94 | CP 22 | 11.6 | $394.00 |
| Calhoun | 2002 | 260 | CP 22 | 32.6 | $1,108.00 |
| Calhoun | 2002 | 292 | CP 22 | 3.2 | $109.00 |
| Calhoun | 2002 | 318 | CP 22 | 24.3 | $826.00 |
| Calhoun | 2002 | 370 | CP 22 | 14.6 | $496.00 |
| Calhoun | 2002 | 423 | CP 22 | 42 | $1,428.00 |
| Calhoun | 2002 | 497 | CP 22 | 11.4 | $387.00 |
| Calhoun | 2002 | 558 | CP 22 | 9.3 | $316.00 |
| Calhoun | 2002 | 561 | CP 22 | 24 | $816.00 |
| Calhoun | 2002 | 708 | CP 22 | 17.6 | $598.00 |
| Calhoun | 2002 | 760 | CP 22 | 53.1 | $1,805.00 |
| Calhoun | 2002 | 853 | CP 22 | 12.1 | $411.00 |
| Calhoun | 2002 | 931 | CP 22 | 24.3 | $826.00 |
| Calhoun | 2002 | 976 | CP 22 | 6.1 | $207.00 |
| Calhoun | 2002 | 997 | CP 22 | 27.1 | $921.00 |
| Calhoun | 2002 | 1003 | CP 22 | 12.5 | $425.00 |
| Calhoun | 2002 | 1113 | CP 22 | 15.9 | $541.00 |
| Calhoun | 2002 | 1216 | CP 22 | 19.4 | $1,033.00 |
| Calhoun | 2002 | 1226 | CP 22 | 2.9 | $99.00 |
| Calhoun | 2002 | 1246 | CP 22 | 30.1 | $1,023.00 |
| Calhoun | 2002 | 1266 | CP 22 | 19.6 | $666.00 |
| Calhoun | 2002 | 1490 | CP 22 | 22.4 | $762.00 |
| Calhoun | 2002 | 1494 | CP 22 | 29.8 | $1,013.00 |
| Calhoun | 2002 | 2082 | CP 9 | 6.7 | $2,848.00 |
| Calhoun | 2002 | 2082 | CP 22 | 1 | $34.00 |
| Calhoun | 2002 | 2131 | CP 22 | 12.2 | $415.00 |
| Calhoun | 2002 | 2309 | CP 22 | 4.8 | $163.00 |
| Calhoun | 2002 | 2396 | CP 22 | 1.9 | $120.00 |
| Calhoun | 2002 | 2481 | CP 22 | 6.8 | $231.00 |
| Calhoun | 2002 | 2618 | CP 22 | 21.3 | $802.00 |
| Calhoun | 2002 | 2666 | CP 21 | 9.2 | $736.00 |
| Calhoun | 2002 | 2684 | CP 21 | 1 | $80.00 |


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|---|---|---|---|---|---|
| Calhoun | 2003 | 2785 | CP 22 | 67.8 | $2,304.00 |
| Calhoun | 2003 | 2847 | CP 22 | 6 | $378.00 |
| Calhoun | 2003 | 3002 | CP 22 | 25.8 | $2,064.00 |
| Calhoun | 2003 | 3058 | CP 22 | 44.9 | $2,554.00 |
| Calhoun | 2003 | 3124 | CP 22 | 8.7 | $296.00 |
| Calhoun | 2003 | 3180 | CP 22 | 6.5 | $221.00 |
| Calhoun | 2003 | 3195 | CP 22 | 4.2 | $143.00 |
| Calhoun | 2003 | 3196 | CP 22 | 28.5 | $969.00 |
| Calhoun | 2003 | 3206 | CP 22 | 32.1 | $1,091.00 |
| Calhoun | 2003 | 3215 | CP 22 | 357.1 | $12,141.00 |
| Calhoun | 2003 | 3221 | CP 22 | 51.6 | $1,754.00 |
| Calhoun | 2003 | 3228 | CP 22 | 280 | $9,955.00 |
| Calhoun | 2003 | 3246 | CP 22 | 12.9 | $439.00 |
| Calhoun | 2003 | 3285 | CP 22 | 15.3 | $520.00 |
| Calhoun | 2003 | 3342 | CP 22 | 69.3 | $9,486.00 |
| Calhoun | 2003 | 3398 | CP 22 | 7.1 | $241.00 |
| Calhoun | 2004 | 13 | CP 22 | 8.4 | $656.00 |
| Calhoun | 2004 | 176 | CP 3 | 5 | $170.00 |
| Calhoun | 2004 | 183 | CP 22 | 8.5 | $536.00 |
| Calhoun | 2004 | 270 | CP 22 | 13.2 | $832.00 |
| Calhoun | 2004 | 603 | CP 22 | 2.6 | $88.00 |
| Calhoun | 2004 | 663 | CP 22 | 7.1 | $447.00 |
| Calhoun | 2004 | 687 | CP 22 | 14.7 | $500.00 |
| Calhoun | 2004 | 702 | CP 22 | 19.4 | $660.00 |
| Calhoun | 2004 | 708 | CP 22 | 14.6 | $496.00 |
| Calhoun | 2004 | 748 | CP 3 | 13.6 | $462.00 |
| Calhoun | 2004 | 748 | CP 22 | 12.2 | $415.00 |
| Calhoun | 2004 | 786 | CP 22 | 48.4 | $1,768.00 |
| Calhoun | 2004 | 891 | CP 22 | 21.8 | $1,087.00 |
| Calhoun | 2004 | 938 | CP 3 | 15 | $510.00 |
| Calhoun | 2004 | 960 | CP 3 | 14.7 | $500.00 |
| Calhoun | 2004 | 997 | CP 3 | 10.2 | $347.00 |
| Calhoun | 2004 | 1152 | CP 22 | 1.1 | $37.00 |
| Calhoun | 2004 | 1251 | CP 22 | 3.6 | $122.00 |
| Calhoun | 2004 | 1473 | CP 22 | 9.5 | $323.00 |
| Calhoun | 2004 | 1902 | CP 22 | 12.5 | $425.00 |
| Calhoun | 2004 | 1956 | CP 22 | 21.8 | $741.00 |
| Calhoun | 2004 | 2218 | CP 22 | 59.1 | $2,009.00 |
| Calhoun | 2004 | 2245 | CP 22 | 22.2 | $755.00 |
| Calhoun | 2004 | 2497 | CP 22 | 4.5 | $153.00 |
| Calhoun | 2004 | 2537 | CP 22 | 16.2 | $551.00 |
| Calhoun | 2004 | 2716 | CP 22 | 12.2 | $415.00 |
| Calhoun | 2004 | 2847 | CP 3 | 5.5 | $187.00 |
| Calhoun | 2004 | 2870 | CP 22 | 4.2 | $143.00 |


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|---|---|---|---|---|---|
| Calhoun | 2006 | 3402 | CP 22 | 12.1 | $763.00 |
| | | | | | |
| Chickasaw | 1991 | 15 | CP 3A | 56.2 | $1,124.00 |
| Chickasaw | 1991 | 1325 | CP 3A | 279 | $11,500.00 |
| Chickasaw | 1991 | 2178 | CP 3A | 180.9 | $8,500.00 |
| Chickasaw | 1991 | 2470 | CP 3A | 163.8 | $4,914.00 |
| Chickasaw | 1992 | 200 | CP 3A | 54.1 | $2,705.00 |
| Chickasaw | 1992 | 795 | CP 3A | 67.7 | $3,385.00 |
| Chickasaw | 1992 | 805 | CP 3A | 49.8 | $2,490.00 |
| Chickasaw | 1992 | 1030 | CP 3A | 83.3 | $4,165.00 |
| Chickasaw | 1992 | 1122 | CP 3A | 17.2 | $860.00 |
| Chickasaw | 1992 | 1168 | CP 3A | 47.8 | $2,390.00 |
| Chickasaw | 1992 | 1183 | CP 3A | 14 | $700.00 |
| Chickasaw | 1992 | 1258 | CP 3A | 98.7 | $4,935.00 |
| Chickasaw | 1992 | 1305 | CP 3A | 138.9 | $6,945.00 |
| Chickasaw | 1992 | 1531 | CP 3A | 116.1 | $3,484.00 |
| Chickasaw | 1992 | 1575 | CP 3A | 319.8 | $15,990.00 |
| Chickasaw | 1992 | 1603 | CP 3A | 36.3 | $1,815.00 |
| Chickasaw | 1992 | 1675 | CP 3A | 384.8 | $19,240.00 |
| Chickasaw | 1992 | 1840 | CP 3A | 31.7 | $1,585.00 |
| Chickasaw | 1992 | 2007 | CP 3A | 12.4 | $248.00 |
| Chickasaw | 1992 | 2233 | CP 3A | 64 | $3,200.00 |
| Chickasaw | 1992 | 2234 | CP 3A | 17.4 | $1,044.00 |
| Chickasaw | 1992 | 2235 | CP 3A | 23.4 | $1,404.00 |
| Chickasaw | 1992 | 2274 | CP 3A | 427.7 | $21,385.00 |
| Chickasaw | 1992 | 2445 | CP 3A | 116.5 | $5,825.00 |
| Chickasaw | 1992 | 2510 | CP 3A | 23.1 | $1,155.00 |
| Chickasaw | 1996 | 1007 | CP 3 | 234.9 | $9,396.00 |
| Chickasaw | 1996 | 1058 | CP 1 | 10.2 | $459.00 |
| Chickasaw | 1996 | 1058 | CP 3 | 19.7 | $591.00 |
| Chickasaw | 1996 | 2321 | CP 3 | 21.9 | $876.00 |
| Chickasaw | 1998 | 52 | CP 11 | 8.4 | $216.00 |
| Chickasaw | 1998 | 154 | CP 3 | 6.3 | $189.00 |
| Chickasaw | 1998 | 154 | CP 4D | 6 | $180.00 |
| Chickasaw | 1998 | 238 | CP 22 | 14.7 | $500.00 |
| Chickasaw | 1998 | 266 | CP 3 | 6.3 | $189.00 |
| Chickasaw | 1998 | 266 | CP 22 | 4.6 | $156.00 |
| Chickasaw | 1998 | 321 | CP 3 | 53.4 | $1,602.00 |
| Chickasaw | 1998 | 335 | CP 3 | 23.6 | $708.00 |
| Chickasaw | 1998 | 562 | CP 3A | 12 | $720.00 |
| Chickasaw | 1998 | 594 | CP 3 | 45.2 | $1,356.00 |
| Chickasaw | 1998 | 763 | CP 3 | 159.7 | $4,791.00 |
| Chickasaw | 1998 | 848 | CP 3 | 9.1 | $273.00 |
| Chickasaw | 1998 | 863 | CP 3 | 14.2 | $426.00 |



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|---|---|---|---|---|---|
| Chickasaw | 2000 | 1609 | CP 3 | 51.8 | $1,761.00 |
| Chickasaw | 2000 | 1784 | CP 22 | 3.5 | $119.00 |
| Chickasaw | 2000 | 1901 | CP 1 | 6.7 | $436.00 |
| Chickasaw | 2000 | 1967 | CP 3 | 172.4 | $5,862.00 |
| Chickasaw | 2000 | 2152 | CP 3 | 37.8 | $1,285.00 |
| Chickasaw | 2000 | 2187 | CP 3 | 16.5 | $561.00 |
| Chickasaw | 2000 | 2203 | CP 3 | 142.5 | $4,845.00 |
| Chickasaw | 2000 | 2330 | CP 22 | 21 | $714.00 |
| Chickasaw | 2000 | 2352 | CP 22 | 8.6 | $292.00 |
| Chickasaw | 2000 | 2428 | CP 21 | 30.2 | $852.00 |
| Chickasaw | 2000 | 2428 | CP 22 | 30 | $1,020.00 |
| Chickasaw | 2000 | 2464 | CP 3 | 174.2 | $5,923.00 |
| Chickasaw | 2000 | 2495 | CP 3 | 1055.5 | $35,887.00 |
| Chickasaw | 2000 | 2511 | CP 1 | 6.6 | $429.00 |
| Chickasaw | 2000 | 2511 | CP 3 | 84.4 | $2,870.00 |
| Chickasaw | 2000 | 2513 | CP 3 | 186.8 | $6,351.00 |
| Chickasaw | 2000 | 2513 | CP 22 | 45.7 | $1,554.00 |
| Chickasaw | 2000 | 2552 | CP 3 | 291.2 | $9,901.00 |
| Chickasaw | 2000 | 2607 | CP 22 | 16.8 | $733.00 |
| Chickasaw | 2001 | 81 | CP 3 | 29.5 | $1,095.00 |
| Chickasaw | 2001 | 81 | CP 3A | 21.3 | $1,278.00 |
| Chickasaw | 2001 | 85 | CP 3 | 94.6 | $3,216.00 |
| Chickasaw | 2001 | 85 | CP 22 | 3.5 | $119.00 |
| Chickasaw | 2001 | 127 | CP 3 | 47 | $1,598.00 |
| Chickasaw | 2001 | 127 | CP 21 | 5.5 | $330.00 |
| Chickasaw | 2001 | 127 | CP 22 | 4.8 | $163.00 |
| Chickasaw | 2001 | 233 | CP 22 | 54.5 | $1,853.00 |
| Chickasaw | 2001 | 266 | CP 3 | 57.7 | $1,962.00 |
| Chickasaw | 2001 | 266 | CP 22 | 4.6 | $156.00 |
| Chickasaw | 2001 | 322 | CP 22 | 6.4 | $218.00 |
| Chickasaw | 2001 | 439 | CP 3 | 21.4 | $728.00 |
| Chickasaw | 2001 | 517 | CP 22 | 1 | $34.00 |
| Chickasaw | 2001 | 519 | CP 3 | 53.2 | $1,537.00 |
| Chickasaw | 2001 | 527 | CP 3 | 54.8 | $1,863.00 |
| Chickasaw | 2001 | 571 | CP 3 | 102.1 | $3,471.00 |
| Chickasaw | 2001 | 571 | CP 22 | 10.2 | $345.00 |
| Chickasaw | 2001 | 586 | CP 3 | 41 | $1,214.00 |
| Chickasaw | 2001 | 728 | CP 3 | 30.1 | $1,023.00 |
| Chickasaw | 2001 | 728 | CP 22 | 3.2 | $109.00 |
| Chickasaw | 2001 | 763 | CP 22 | 40.6 | $1,624.00 |
| Chickasaw | 2001 | 764 | CP 4D | 4.7 | $1,175.00 |
| Chickasaw | 2001 | 812 | CP 22 | 22.5 | $765.00 |
| Chickasaw | 2001 | 835 | CP 22 | 36.2 | $1,231.00 |
| Chickasaw | 2001 | 951 | CP 22 | 18.8 | $639.00 |


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|---|---|---|---|---|---|
| Chickasaw | 2001 | 2164 | CP 22 | 46.8 | $1,591.00 |
| Chickasaw | 2001 | 2201 | CP 22 | 25.7 | $874.00 |
| Chickasaw | 2001 | 2202 | CP 22 | 3.6 | $122.00 |
| Chickasaw | 2001 | 2206 | CP 3 | 48.6 | $1,405.00 |
| Chickasaw | 2001 | 2209 | CP 3 | 44.3 | $1,280.00 |
| Chickasaw | 2001 | 2209 | CP 22 | 9.6 | $326.00 |
| Chickasaw | 2001 | 2234 | CP 22 | 42.2 | $1,435.00 |
| Chickasaw | 2001 | 2243 | CP 22 | 6 | $204.00 |
| Chickasaw | 2001 | 2279 | CP 1 | 7.7 | $462.00 |
| Chickasaw | 2001 | 2293 | CP 22 | 6.2 | $211.00 |
| Chickasaw | 2001 | 2321 | CP 3A | 77.4 | $4,644.00 |
| Chickasaw | 2001 | 2321 | CP 21 | 34.5 | $2,070.00 |
| Chickasaw | 2001 | 2321 | CP 22 | 52.9 | $3,174.00 |
| Chickasaw | 2001 | 2380 | CP 22 | 31.1 | $1,057.00 |
| Chickasaw | 2001 | 2385 | CP 22 | 8.2 | $279.00 |
| Chickasaw | 2001 | 2389 | CP 22 | 2.8 | $95.00 |
| Chickasaw | 2001 | 2390 | CP 22 | 11.3 | $384.00 |
| Chickasaw | 2001 | 2391 | CP 22 | 8.8 | $299.00 |
| Chickasaw | 2001 | 2395 | CP 3 | 23.4 | $796.00 |
| Chickasaw | 2001 | 2427 | CP 3 | 57.2 | $1,945.00 |
| Chickasaw | 2001 | 2428 | CP 3 | 15 | $510.00 |
| Chickasaw | 2001 | 2428 | CP 22 | 44.2 | $1,503.00 |
| Chickasaw | 2001 | 2434 | CP 22 | 116.1 | $4,430.00 |
| Chickasaw | 2001 | 2436 | CP 22 | 9.8 | $333.00 |
| Chickasaw | 2001 | 2445 | CP 3 | 29.3 | $996.00 |
| Chickasaw | 2001 | 2487 | CP 22 | 15.2 | $516.00 |
| Chickasaw | 2001 | 2507 | CP 3 | 93.6 | $2,705.00 |
| Chickasaw | 2001 | 2511 | CP 22 | 6.5 | $394.00 |
| Chickasaw | 2001 | 2513 | CP 3 | 19.6 | $666.00 |
| Chickasaw | 2001 | 2513 | CP 9 | 7.5 | $450.00 |
| Chickasaw | 2001 | 2513 | CP 22 | 53.1 | $1,800.00 |
| Chickasaw | 2001 | 2531 | CP 3 | 62.7 | $2,132.00 |
| Chickasaw | 2001 | 2546 | CP 3 | 44.7 | $1,292.00 |
| Chickasaw | 2001 | 2546 | CP 22 | 4.8 | $163.00 |
| Chickasaw | 2001 | 2550 | CP 22 | 22.8 | $775.00 |
| Chickasaw | 2001 | 2564 | CP 3 | 14.9 | $431.00 |
| Chickasaw | 2001 | 2614 | CP 22 | 22 | $748.00 |
| Chickasaw | 2001 | 2630 | CP 3 | 29 | $986.00 |
| Chickasaw | 2001 | 2630 | CP 22 | 9.4 | $320.00 |
| Chickasaw | 2001 | 2633 | CP 9 | 10 | $1,000.00 |
| Chickasaw | 2001 | 2633 | CP 22 | 202.4 | $6,882.00 |
| Chickasaw | 2001 | 2636 | CP 22 | 4.4 | $150.00 |
| Chickasaw | 2001 | 2658 | CP 3 | 195.7 | $6,197.00 |
| Chickasaw | 2001 | 2658 | CP 22 | 70.3 | $2,390.00 |


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|---|---|---|---|---|---|
| Chickasaw | 2003 | 1247 | CP 21 | 16.2 | $972.00 |
| Chickasaw | 2003 | 1247 | CP 22 | 6.7 | $228.00 |
| Chickasaw | 2003 | 1335 | CP 22 | 7.1 | $241.00 |
| Chickasaw | 2003 | 1348 | CP 21 | 4 | $240.00 |
| Chickasaw | 2003 | 1348 | CP 22 | 18.9 | $643.00 |
| Chickasaw | 2003 | 1376 | CP 21 | 14.5 | $725.00 |
| Chickasaw | 2003 | 1527 | CP 22 | 14.4 | $490.00 |
| Chickasaw | 2003 | 1537 | CP 21 | 1 | $60.00 |
| Chickasaw | 2003 | 1537 | CP 22 | 3.7 | $126.00 |
| Chickasaw | 2003 | 1579 | CP 22 | 26.4 | $898.00 |
| Chickasaw | 2003 | 1609 | CP 22 | 5.7 | $194.00 |
| Chickasaw | 2003 | 1668 | CP 21 | 113.8 | $6,828.00 |
| Chickasaw | 2003 | 1668 | CP 22 | 41.4 | $1,408.00 |
| Chickasaw | 2003 | 1801 | CP 22 | 11.5 | $391.00 |
| Chickasaw | 2003 | 1919 | CP 21 | 10 | $600.00 |
| Chickasaw | 2003 | 1996 | CP 22 | 2.9 | $99.00 |
| Chickasaw | 2003 | 2071 | CP 22 | 7.2 | $245.00 |
| Chickasaw | 2003 | 2313 | CP 22 | 8.2 | $279.00 |
| Chickasaw | 2003 | 2485 | CP 21 | 13.1 | $655.00 |
| Chickasaw | 2003 | 2485 | CP 22 | 12.3 | $418.00 |
| Chickasaw | 2003 | 2508 | CP 21 | 22.5 | $1,028.00 |
| Chickasaw | 2003 | 2511 | CP 22 | 0.4 | $14.00 |
| Chickasaw | 2003 | 2513 | CP 22 | 30.1 | $921.00 |
| Chickasaw | 2003 | 2630 | CP 22 | 176.6 | $6,004.00 |
| Chickasaw | 2003 | 2633 | CP 15A | 1 | $60.00 |
| Chickasaw | 2003 | 2633 | CP 21 | 21.6 | $1,236.00 |
| Chickasaw | 2003 | 2633 | CP 22 | 10.3 | $350.00 |
| Chickasaw | 2003 | 2658 | CP 22 | 10.1 | $606.00 |
| Chickasaw | 2003 | 2698 | CP 22 | 1.1 | $38.00 |
| Chickasaw | 2003 | 2699 | CP 22 | 9.5 | $323.00 |
| Chickasaw | 2003 | 2714 | CP 22 | 7.4 | $252.00 |
| Chickasaw | 2004 | 2 | CP 3 | 21.4 | $72,816.00 |
| Chickasaw | 2004 | 2 | CP 3A | 5.8 | $36,315.00 |
| Chickasaw | 2004 | 2 | CP 22 | 0.6 | $38.00 |
| Chickasaw | 2004 | 344 | CP 22 | 8.3 | $282.00 |
| Chickasaw | 2004 | 537 | CP 22 | 32 | $1,088.00 |
| Chickasaw | 2004 | 539 | CP 3 | 34.5 | $1,173.00 |
| Chickasaw | 2004 | 539 | CP 22 | 2.4 | $82.00 |
| Chickasaw | 2004 | 649 | CP 22 | 11.6 | $394.00 |
| Chickasaw | 2004 | 739 | CP 22 | 5.5 | $187.00 |
| Chickasaw | 2004 | 1002 | CP 22 | 3 | $102.00 |
| Chickasaw | 2004 | 1007 | CP 3A | 20.3 | $1,269,175.00 |
| Chickasaw | 2004 | 1007 | CP 22 | 25 | $1,130.00 |
| Chickasaw | 2004 | 1016 | CP 3 | 9.9 | $33,716.00 |


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|---|---|---|---|---|---|
| Chickasaw | 2005 | 1484 | CP 22 | 6.6 | $224.00 |
| Chickasaw | 2005 | 1568 | CP 22 | 10.4 | $534.00 |
| Chickasaw | 2005 | 1579 | CP 22 | 13.3 | $452.00 |
| Chickasaw | 2005 | 1674 | CP 22 | 41.3 | $1,404.00 |
| Chickasaw | 2005 | 1762 | CP 22 | 27.2 | $925.00 |
| Chickasaw | 2005 | 1940 | CP 22 | 8.8 | $299.00 |
| Chickasaw | 2005 | 2098 | CP 22 | 16.7 | $568.00 |
| Chickasaw | 2005 | 2295 | CP 22 | 19.1 | $649.00 |
| Chickasaw | 2005 | 2507 | CP 22 | 144.7 | $6,684.00 |
| Chickasaw | 2005 | 2526 | CP 9 | 10 | $600.00 |
| Chickasaw | 2005 | 2526 | CP 22 | 211.2 | $12,672.00 |
| Chickasaw | 2005 | 2646 | CP 22 | 5.9 | $201.00 |
| | | | | | |
| Grenada | 1998 | 167 | CP 3 | 38.4 | $1,306.00 |
| Grenada | 1998 | 587 | CP 3 | 17.6 | $598.00 |
| Grenada | 1998 | 783 | CP 3 | 62 | $1,869.00 |
| Grenada | 1998 | 857 | CP 3 | 3.2 | $109.00 |
| Grenada | 1998 | 864 | CP 3 | 7.9 | $269.00 |
| Grenada | 1998 | 955 | CP 3 | 11.2 | $306.00 |
| Grenada | 1998 | 1026 | CP 3 | 18.8 | $547.00 |
| Grenada | 1998 | 1132 | CP 3 | 120.8 | $3,567.00 |
| Grenada | 1998 | 1259 | CP 3 | 4.3 | $116.00 |
| Grenada | 1998 | 1343 | CP 3A | 32.8 | $2,984.00 |
| Grenada | 1998 | 1498 | CP 3 | 234.1 | $8,010.00 |
| Grenada | 1998 | 1577 | CP 3 | 4.6 | $138.00 |
| Grenada | 1998 | 1586 | CP 3 | 13.9 | $498.00 |
| Grenada | 1998 | 1587 | CP 3 | 1.2 | $498.00 |
| Grenada | 1998 | 1588 | CP 3 | 1.3 | $498.00 |
| Grenada | 1999 | 78 | CP 3A | 25.3 | $1,898.00 |
| Grenada | 1999 | 857 | CP 3 | 26.4 | $792.00 |
| Grenada | 1999 | 1257 | CP 3 | 114.8 | $3,444.00 |
| Grenada | 1999 | 1352 | CP 3 | 46.6 | $1,398.00 |
| Grenada | 1999 | 1505 | CP 11 | 13.9 | $1,881.00 |
| Grenada | 1999 | 1516 | CP 3A | 84.3 | $6,323.00 |
| Grenada | 1999 | 1645 | CP 22 | 72.7 | $2,591.00 |
| Grenada | 1999 | 1646 | CP 22 | 0.2 | $2,591.00 |
| Grenada | 1999 | 1679 | CP 3 | 10.2 | $306.00 |
| Grenada | 1999 | 1739 | CP 3A | 52.4 | $7,305.00 |
| Grenada | 1999 | 1741 | CP 3A | 45 | $7,305.00 |
| Grenada | 2000 | 292 | CP 22 | 48.7 | $1,656.00 |
| Grenada | 2000 | 513 | CP 3 | 10 | $340.00 |
| Grenada | 2000 | 595 | CP 22 | 12.9 | $439.00 |
| Grenada | 2000 | 630 | CP 22 | 13.7 | $466.00 |
| Grenada | 2000 | 717 | CP 3A | 10.6 | $742.00 |


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|---|---|---|---|---|---|
| Grenada | 2002 | 715 | CP 22 | 14.4 | $792.00 |
| Grenada | 2002 | 867 | CP 22 | 106.1 | $5,836.00 |
| Grenada | 2002 | 933 | CP 22 | 19.8 | $672.00 |
| Grenada | 2002 | 1257 | CP 22 | 6.1 | $207.00 |
| Grenada | 2002 | 1262 | CP 22 | 12.1 | $666.00 |
| Grenada | 2002 | 1295 | CP 22 | 51.6 | $1,754.00 |
| Grenada | 2002 | 1407 | CP 22 | 3 | $102.00 |
| Grenada | 2002 | 1509 | CP 22 | 9.5 | $323.00 |
| Grenada | 2002 | 1547 | CP 22 | 1.4 | $48.00 |
| Grenada | 2002 | 1552 | CP 22 | 21 | $714.00 |
| Grenada | 2002 | 1573 | CP 22 | 81 | $2,754.00 |
| Grenada | 2002 | 1586 | CP 22 | 6.7 | $369.00 |
| Grenada | 2002 | 1606 | CP 22 | 12.3 | $418.00 |
| Grenada | 2002 | 1619 | CP 22 | 36.1 | $1,227.00 |
| Grenada | 2002 | 1620 | CP 22 | 6.3 | $214.00 |
| Grenada | 2002 | 1621 | CP 22 | 7.6 | $258.00 |
| Grenada | 2002 | 1625 | CP 22 | 7.9 | $434.00 |
| Grenada | 2002 | 1628 | CP 22 | 33.3 | $1,132.00 |
| Grenada | 2002 | 1629 | CP 22 | 5.2 | $177.00 |
| Grenada | 2002 | 1637 | CP 22 | 2.8 | $224.00 |
| Grenada | 2002 | 1720 | CP 22 | 50 | $1,700.00 |
| Grenada | 2002 | 1723 | CP 22 | 311.4 | $10,676.00 |
| Grenada | 2002 | 1760 | CP 22 | 33.5 | $1,139.00 |
| Grenada | 2002 | 1761 | CP 22 | 12.7 | $432.00 |
| Grenada | 2003 | 17 | CP 22 | 10 | $340.00 |
| Grenada | 2003 | 339 | CP 22 | 14.6 | $803.00 |
| Grenada | 2003 | 563 | CP 22 | 19.9 | $677.00 |
| Grenada | 2003 | 564 | CP 22 | 33.7 | $1,146.00 |
| Grenada | 2003 | 717 | CP 22 | 33 | $1,650.00 |
| Grenada | 2003 | 739 | CP 22 | 12.1 | $411.00 |
| Grenada | 2003 | 773 | CP 22 | 8.4 | $336.00 |
| Grenada | 2003 | 808 | CP 22 | 4.2 | $143.00 |
| Grenada | 2003 | 846 | CP 22 | 30.3 | $1,030.00 |
| Grenada | 2003 | 1134 | CP 9 | 10 | $550.00 |
| Grenada | 2003 | 1134 | CP 22 | 178.2 | $9,801.00 |
| Grenada | 2003 | 1136 | CP 22 | 73.4 | $3,670.00 |
| Grenada | 2003 | 1158 | CP 9 | 10 | $550.00 |
| Grenada | 2003 | 1158 | CP 22 | 31.3 | $1,721.00 |
| Grenada | 2003 | 1458 | CP 22 | 7.3 | $248.00 |
| Grenada | 2003 | 1475 | CP 22 | 66.3 | $1,823.00 |
| Grenada | 2003 | 1528 | CP 22 | 6.8 | $303.00 |
| Grenada | 2003 | 1659 | CP 22 | 59.8 | $2,033.00 |
| Grenada | 2003 | 1706 | CP 22 | 16.5 | $561.00 |
| Grenada | 2003 | 1708 | CP 9 | 3.2 | $109.00 |



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|---|---|---|---|---|---|
| Webster | 1998 | 413 | CP 3 | 7.6 | $228.00 |
| Webster | 1998 | 1047 | CP 3 | 30.9 | $927.00 |
| Webster | 1998 | 1092 | CP 22 | 0.7 | $21.00 |
| Webster | 1998 | 1121 | CP 3 | 108.2 | $3,246.00 |
| Webster | 1998 | 1150 | CP 3 | 37 | $1,110.00 |
| Webster | 1998 | 1573 | CP 3 | 60.6 | $1,818.00 |
| Webster | 1998 | 1758 | CP 3 | 208 | $6,240.00 |
| Webster | 1998 | 1938 | CP 3 | 54.7 | $1,641.00 |
| Webster | 1998 | 2112 | CP 22 | 29.2 | $993.00 |
| Webster | 1998 | 2281 | CP 3 | 39.1 | $1,329.00 |
| Webster | 1998 | 2282 | CP 3 | 30.3 | $1,030.00 |
| Webster | 1998 | 2323 | CP 3 | 10.7 | $364.00 |
| Webster | 1998 | 2363 | CP 22 | 46.1 | $1,568.00 |
| Webster | 1998 | 2449 | CP 22 | 23.4 | $1,588.00 |
| Webster | 1998 | 2488 | CP 3 | 6 | $180.00 |
| Webster | 1998 | 2530 | CP 22 | 9.8 | $333.00 |
| Webster | 1999 | 27 | CP 22 | 15.8 | $537.00 |
| Webster | 1999 | 28 | CP 22 | 9.4 | $320.00 |
| Webster | 1999 | 119 | CP 22 | 30.5 | $2,069.00 |
| Webster | 1999 | 241 | CP 22 | 6.1 | $207.00 |
| Webster | 1999 | 251 | CP 3 | 13 | $390.00 |
| Webster | 1999 | 304 | CP 22 | 3.5 | $791.00 |
| Webster | 1999 | 415 | CP 22 | 15.4 | $524.00 |
| Webster | 1999 | 485 | CP 22 | 18.4 | $626.00 |
| Webster | 1999 | 557 | CP 22 | 171.7 | $5,838.00 |
| Webster | 1999 | 783 | CP 22 | 7.9 | $269.00 |
| Webster | 1999 | 994 | CP 3 | 24.1 | $730.00 |
| Webster | 1999 | 1069 | CP 22 | 13.9 | $472.00 |
| Webster | 1999 | 1142 | CP 22 | 4 | $136.00 |
| Webster | 1999 | 1148 | CP 22 | 8 | $272.00 |
| Webster | 1999 | 1358 | CP 22 | 37.2 | $1,265.00 |
| Webster | 1999 | 1673 | CP 22 | 38.8 | $1,559.00 |
| Webster | 1999 | 1734 | CP 22 | 15.7 | $609.00 |
| Webster | 1999 | 1811 | CP 22 | 3.2 | $109.00 |
| Webster | 1999 | 1813 | CP 22 | 20.4 | $1,102.00 |
| Webster | 1999 | 1837 | CP 22 | 9.1 | $309.00 |
| Webster | 1999 | 1838 | CP 22 | 30.3 | $1,698.00 |
| Webster | 1999 | 1862 | CP 3 | 14.4 | $432.00 |
| Webster | 1999 | 1862 | CP 22 | 32.4 | $1,102.00 |
| Webster | 1999 | 1955 | CP 22 | 21 | $714.00 |
| Webster | 1999 | 1972 | CP 22 | 2.4 | $82.00 |
| Webster | 1999 | 2092 | CP 22 | 4.4 | $150.00 |
| Webster | 1999 | 2157 | CP 22 | 12 | $408.00 |
| Webster | 1999 | 2163 | CP 22 | 25.7 | $1,713.00 |


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|---|---|---|---|---|---|
| Webster | 2000 | 1374 | CP 22 | 4.3 | $146.00 |
| Webster | 2000 | 1646 | CP 22 | 6 | $204.00 |
| Webster | 2000 | 1811 | CP 22 | 22.7 | $772.00 |
| Webster | 2000 | 1874 | CP 22 | 3.6 | $422.00 |
| Webster | 2000 | 2239 | CP 22 | 90.7 | $3,084.00 |
| Webster | 2000 | 2243 | CP 22 | 5.3 | $180.00 |
| Webster | 2000 | 2245 | CP 22 | 0.9 | $31.00 |
| Webster | 2000 | 2247 | CP 22 | 30.7 | $1,044.00 |
| Webster | 2000 | 2276 | CP 22 | 4.6 | $156.00 |
| Webster | 2000 | 2282 | CP 22 | 3.5 | $119.00 |
| Webster | 2000 | 2305 | CP 3 | 15 | $432.00 |
| Webster | 2000 | 2328 | CP 3 | 10 | $289.00 |
| Webster | 2000 | 2328 | CP 22 | 16.9 | $574.00 |
| Webster | 2000 | 2335 | CP 22 | 12.4 | $422.00 |
| Webster | 2000 | 2336 | CP 22 | 26.9 | $915.00 |
| Webster | 2000 | 2451 | CP 22 | 9.6 | $326.00 |
| Webster | 2000 | 2462 | CP 22 | 7.4 | $252.00 |
| Webster | 2001 | 14 | CP 3 | 4.3 | $153.00 |
| Webster | 2001 | 217 | CP 22 | 40.1 | $2,506.00 |
| Webster | 2001 | 350 | CP 22 | 7.8 | $265.00 |
| Webster | 2001 | 417 | CP 22 | 1 | $34.00 |
| Webster | 2001 | 421 | CP 22 | 7.5 | $255.00 |
| Webster | 2001 | 572 | CP 3 | 73.7 | $2,547.00 |
| Webster | 2001 | 597 | CP 3 | 16.4 | $581.00 |
| Webster | 2001 | 934 | CP 22 | 24 | $816.00 |
| Webster | 2001 | 1011 | CP 22 | 14.6 | $496.00 |
| Webster | 2001 | 1017 | CP 22 | 0.9 | $31.00 |
| Webster | 2001 | 1247 | CP 22 | 17.6 | $598.00 |
| Webster | 2001 | 1362 | CP 22 | 8 | $272.00 |
| Webster | 2001 | 1960 | CP 3 | 1.6 | $54.00 |
| Webster | 2001 | 1960 | CP 22 | 5.9 | $201.00 |
| Webster | 2001 | 2164 | CP 22 | 21.2 | $720.00 |
| Webster | 2001 | 2239 | CP 22 | 21.8 | $742.00 |
| Webster | 2001 | 2254 | CP 22 | 10.4 | $354.00 |
| Webster | 2001 | 2276 | CP 3 | 2.4 | $68.00 |
| Webster | 2001 | 2282 | CP 3 | 1.7 | $58.00 |
| Webster | 2001 | 2289 | CP 22 | 4.2 | $143.00 |
| Webster | 2001 | 2290 | CP 22 | 20.8 | $707.00 |
| Webster | 2001 | 2323 | CP 3 | 8.7 | $296.00 |
| Webster | 2001 | 2324 | CP 3 | 19.3 | $656.00 |
| Webster | 2001 | 2328 | CP 3 | 18.2 | $652.00 |
| Webster | 2001 | 2328 | CP 22 | 7.1 | $241.00 |
| Webster | 2001 | 2377 | CP 22 | 10.4 | $354.00 |
| Webster | 2001 | 2378 | CP 22 | 4.9 | $167.00 |


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|---|---|---|---|---|---|
| Webster | 2004 | 26 | CP 22 | 2.7 | $92.00 |
| Webster | 2004 | 323 | CP 22 | 20.2 | $1,263.00 |
| Webster | 2004 | 401 | CP 22 | 55.9 | $1,901.00 |
| Webster | 2004 | 567 | CP 22 | 27.2 | $551.00 |
| Webster | 2004 | 638 | CP 3 | 5.6 | $190.00 |
| Webster | 2004 | 1238 | CP 3A | 33.3 | $4,163.00 |
| Webster | 2004 | 1395 | CP 22 | 1.3 | $44.00 |
| Webster | 2004 | 1396 | CP 22 | 4 | $136.00 |
| Webster | 2004 | 2028 | CP 22 | 48.4 | $1,646.00 |
| Webster | 2004 | 2139 | CP 22 | 10.3 | $351.00 |
| Webster | 2004 | 2321 | CP 3 | 11.7 | $796.00 |
| Webster | 2004 | 2328 | CP 3 | 20.7 | $1,408.00 |
| Webster | 2004 | 2333 | CP 22 | 4.2 | $143.00 |
| Webster | 2004 | 2336 | CP 3 | 71 | $4,828.00 |
| Webster | 2004 | 2497 | CP 3 | 25.6 | $174,118.00 |
| Webster | 2004 | 2497 | CP 22 | 54.6 | $6,865.00 |
| Webster | 2005 | 794 | CP 22 | 12.6 | $788.00 |
| Webster | 2005 | 1723 | CP 22 | 1.7 | $155.00 |
| Webster | 2005 | 1808 | CP 22 | 102.3 | $6,394.00 |
| Webster | 2005 | 2028 | CP 22 | 6.8 | $534.00 |
| Webster | 2005 | 2059 | CP 22 | 120.6 | $10,975.00 |
| Webster | 2005 | 2210 | CP 22 | 7.2 | $450.00 |
| Webster | 2005 | 2499 | CP 22 | 112.7 | $7,131.00 |
| Webster | 2005 | 2532 | CP 22 | 9.7 | $606.00 |
| Webster | 2006 | 442 | CP 22 | 50.1 | $4,710.00 |
| Webster | 2006 | 2239 | CP 3 | 87.3 | $2,968.00 |
| | | | | | |
| Yalobusha | 1998 | 201 | CP 11 | 38.2 | $297.00 |
| Yalobusha | 1998 | 898 | CP 3 | 38 | $1,140.00 |
| Yalobusha | 1998 | 1023 | CP 3 | 33.9 | $1,017.00 |
| Yalobusha | 1998 | 1091 | CP 3 | 5 | $150.00 |
| Yalobusha | 1998 | 1098 | CP 22 | 20.2 | $2,020.00 |
| Yalobusha | 1998 | 1326 | CP 22 | 10.2 | $1,020.00 |
| Yalobusha | 1998 | 1539 | CP 3 | 97 | $2,910.00 |
| Yalobusha | 1998 | 1643 | CP 3 | 55.4 | $1,662.00 |
| Yalobusha | 1998 | 1692 | CP 3 | 43.8 | $1,092.00 |
| Yalobusha | 1998 | 1692 | CP 22 | 27.1 | $1,897.00 |
| Yalobusha | 1998 | 1705 | CP 3A | 2.5 | $188.00 |
| Yalobusha | 1998 | 1706 | CP 3 | 90.3 | $2,469.00 |
| Yalobusha | 1998 | 1706 | CP 3A | 7.3 | $759.00 |
| Yalobusha | 1998 | 1706 | CP 22 | 3 | $210.00 |
| Yalobusha | 1998 | 1733 | CP 3A | 46.7 | $3,503.00 |
| Yalobusha | 1998 | 1733 | CP 22 | 3 | $300.00 |
| Yalobusha | 1998 | 1748 | CP 1 | 2.1 | $81.00 |


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|---|---|---|---|---|---|
| Yalobusha | 2005 | 1258 | CP 22 | 4.5 | $153.00 |
| Yalobusha | 2005 | 1486 | CP 22 | 43 | $1,462.00 |
| Yalobusha | 2005 | 1486 | CP 31 | 63.7 | $3,121.00 |
| Yalobusha | 2005 | 1542 | CP 22 | 7 | $238.00 |
| Yalobusha | 2005 | 1819 | CP 22 | 16.1 | $547.00 |
| Yalobusha | 2005 | 1826 | CP 22 | 15.2 | $517.00 |
| Yalobusha | 2005 | 1923 | CP 22 | 23.1 | $785.00 |
| Yalobusha | 2006 | 218 | CP 22 | 19.9 | $597.00 |
| Yalobusha | 2006 | 1023 | CP 3 | 19.8 | $673.00 |
| Yalobusha | 2006 | 1542 | CP 3A | 6.1 | $450.00 |
| Yalobusha | 2006 | 1897 | CP 22 | 5 | $150.00 |
| Yalobusha | 2006 | 1960 | CP 22 | 16.3 | $1,060.00 |
| Yalobusha | 2006 | 2004 | CP 22 | 26.3 | $1,683.00 |


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| | | | | | |
|---|---|---|---|---|---|
| Chickasaw | 2002 | 1850 | 342 | 6 | $2,400.00 |
| Chickasaw | 2002 | 1850 | 386 | 25 | $3,750.00 |
| Chickasaw | 2002 | 1850 | 512 | 10 | $0.00 |
| | | | | | |
| Grenada | 2002 | 1498 | 410 | 1 | $5,531.00 |
| Grenada | 2002 | 1414 | 410 | 1 | $2,898.00 |
| Grenada | 2002 | 1047 | 362 | 0.26 | $0.00 |
| Grenada | 2002 | 1047 | 362 | 0.0218 | $0.00 |
| Grenada | 2002 | 1047 | 410 | 2 | $6,413.00 |
| Grenada | 2002 | 200 | 410 | 3 | $3,453.00 |
| Grenada | 2002 | 773 | 410 | 1 | $13,340.00 |
| Grenada | 2002 | 1401 | 362 | 0.0218 | $0.00 |
| Grenada | 2002 | 1401 | 410 | 3 | $6,681.00 |
| Grenada | 2002 | 743 | 410 | 2 | $9,561.00 |
| Grenada | 2002 | 422 | 410 | 1 | $5,861.00 |
| Grenada | 2002 | 725 | 362 | 0.074 | $0.00 |
| Grenada | 2002 | 725 | 410 | 2 | $4,155.00 |
| Grenada | 2002 | 1510 | 350 | 1 | $5,039.00 |
| Grenada | 2002 | 510 | 410 | 1 | $6,812.00 |
| Grenada | 2002 | 1015 | 410 | 1 | $7,734.00 |
| Grenada | 2002 | 739 | 342 | 3 | $8,362.00 |
| Grenada | 2002 | 739 | 362 | 0.22 | $0.00 |
| Grenada | 2002 | 1201 | 410 | 1 | $14,266.00 |
| Grenada | 2002 | 78 | 391A | 3 | $128.00 |
| Grenada | 2002 | 78 | 410 | 2 | $7,081.00 |
| Grenada | 2002 | 195 | 362 | 0.0175 | $0.00 |
| Grenada | 2002 | 195 | 410 | 1 | $1,518.00 |
| Grenada | 2002 | 1589 | 362 | 0.0121 | $0.00 |
| Grenada | 2002 | 1589 | 410 | 1 | $1,565.00 |
| | | | | | |
| Webster | 2002 | 672 | 410 | 2 | $9,848.00 |
| Webster | 2002 | 1638 | 410 | 3 | $9,248.00 |
| Webster | 2002 | 3 | 410 | 1 | $2,533.00 |
| Webster | 2002 | 23 | 410 | 1 | $3,102.00 |
| Webster | 2002 | 62 | 410 | 2 | $5,102.00 |
| Webster | 2002 | 1933 | 410 | 1 | $3,521.00 |
| Webster | 2002 | 594 | 410 | 3 | $5,691.00 |
| | | | | | |
| Yalobusha | 2002 | 1771 | 362 | 0.00581 | $0.00 |
| Yalobusha | 2002 | 1771 | 410 | 3 | $12,204.00 |
| | | | | | |
| Calhoun | 2003 | 3139 | 528A | 0 | $3,317.00 |
| Calhoun | 2003 | 3139 | 410 | 1 | $4,422.00 |
| Calhoun | 2003 | 3034 | 410 | 1 | $4,112.00 |
| Calhoun | 2003 | 3034 | 528A | 0 | $3,084.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Grenada | 2003 | 496 | 410 | 1 | $2,846.00 |
| Grenada | 2003 | 570 | 410 | 1 | $5,282.00 |
| Grenada | 2003 | 597 | 410 | 1 | $5,913.00 |
| Grenada | 2003 | 485 | 410 | 2 | $5,723.00 |
| Grenada | 2003 | 668 | 410 | 1 | $2,817.00 |
| Grenada | 2003 | 1132 | 410 | 1 | $5,502.00 |
| Grenada | 2003 | 706 | 410 | 1 | $6,905.00 |
| Grenada | 2003 | 830 | 410 | 1 | $7,917.00 |
| Grenada | 2003 | 217 | 410 | 1 | $3,500.00 |
| Grenada | 2003 | 1343 | 410 | 1 | $9,093.00 |
| Grenada | 2003 | 300 | 410 | 1 | $2,339.00 |
| Grenada | 2003 | 704 | 410 | 2 | $4,035.00 |
| Grenada | 2003 | 342 | 410 | 1 | $4,715.00 |
| Grenada | 2003 | 1464 | 587 | 1 | $6,580.00 |
| Grenada | 2003 | 456 | 410 | 1 | $6,069.00 |
| Grenada | 2003 | 62 | 410 | 1 | $5,358.00 |
| Grenada | 2003 | 213 | 410 | 1 | $6,636.00 |
| Grenada | 2003 | 249 | 410 | 1 | $2,836.00 |
| Grenada | 2003 | 1330 | 410 | 2 | $4,631.00 |
| Grenada | 2003 | 339 | 410 | 1 | $2,413.00 |
| Grenada | 2003 | 345 | 410 | 1 | $2,446.00 |
| Grenada | 2003 | 1589 | 410 | 1 | $2,091.00 |
| Grenada | 2003 | 1155 | 350 | 1 | $1,523.00 |
| Grenada | 2003 | 1644 | 410 | 3 | $6,847.00 |
| Grenada | 2003 | 855 | 410 | 1 | $2,067.00 |
| Grenada | 2003 | 855 | 580 | 200 | $5,483.00 |
| Grenada | 2003 | 1349 | 580 | 1 | $8,900.00 |
| Grenada | 2003 | 429 | 410 | 1 | $12,280.00 |
| Grenada | 2003 | 447 | 410 | 1 | $1,596.00 |
| | | | | | |
| Webster | 2003 | 1858 | 410 | 1 | $10,473.00 |
| Webster | 2003 | 1933 | 410 | 2 | $7,233.00 |
| Webster | 2003 | 387 | 410 | 1 | $4,446.00 |
| Webster | 2003 | 2042 | 410 | 2 | $3,214.00 |
| Webster | 2003 | 356 | 410 | 1 | $4,012.00 |
| Webster | 2003 | 2042 | 410 | 1 | $1,896.00 |
| Webster | 2003 | 2146 | 410 | 1 | $1,786.00 |
| Webster | 2003 | 84 | 410 | 3 | $5,416.00 |
| Webster | 2003 | 71 | 410 | 1 | $6,328.00 |
| Webster | 2003 | 71 | 362 | 0.5 | $0.00 |
| Webster | 2003 | 1771 | 410 | 1 | $2,453.00 |
| Webster | 2003 | 2423 | 590 | 8.9 | $715.00 |
| Webster | 2003 | 2423 | 528A | 0 | $644.00 |
| Webster | 2003 | 1933 | 590 | 25 | $2,429.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Calhoun | 2004 | 1420 | 410 | 1 | $2,978.00 |
| Calhoun | 2004 | 2897 | 362 | 0 | $560.00 |
| Calhoun | 2004 | 2897 | 410 | 3 | $7,738.00 |
| Calhoun | 2004 | 1156 | 362 | 0 | $263.00 |
| Calhoun | 2004 | 1156 | 410 | 2 | $4,493.00 |
| Calhoun | 2004 | 2137 | 410 | 1 | $3,332.00 |
| Calhoun | 2004 | 3322 | 362 | 0 | $70.00 |
| Calhoun | 2004 | 3322 | 410 | 1 | $3,852.00 |
| Calhoun | 2004 | 3057 | 362 | 0 | $263.00 |
| Calhoun | 2004 | 3057 | 410 | 1 | $1,971.00 |
| Calhoun | 2004 | 1098 | 410 | 1 | $1,876.00 |
| Calhoun | 2004 | 2561 | 410 | 1 | $1,713.00 |
| Calhoun | 2004 | 2981 | 362 | 0 | $350.00 |
| Calhoun | 2004 | 500 | 612 | 75 | $3,600.00 |
| Calhoun | 2004 | 500 | 490 | 75 | $3,375.00 |
| Calhoun | 2004 | 270 | 490 | 13.4 | $670.00 |
| Calhoun | 2004 | 270 | 612 | 13.4 | $429.00 |
| Calhoun | 2004 | 3329 | 490 | 20 | $1,500.00 |
| Calhoun | 2004 | 3329 | 612 | 20 | $960.00 |
| Calhoun | 2004 | 891 | 490 | 12.7 | $635.00 |
| Calhoun | 2004 | 891 | 612 | 12.7 | $406.00 |
| Calhoun | 2004 | 863 | 490 | 7 | $525.00 |
| Calhoun | 2004 | 863 | 612 | 7 | $336.00 |
| Calhoun | 2004 | 828 | 490 | 35 | $1,750.00 |
| Calhoun | 2004 | 828 | 612 | 35 | $1,120.00 |
| Calhoun | 2004 | 3265 | 490 | 13 | $650.00 |
| Calhoun | 2004 | 3265 | 612 | 13 | $416.00 |
| Calhoun | 2004 | 1032 | 612 | 33 | $1,056.00 |
| Calhoun | 2004 | 1032 | 490 | 33 | $1,650.00 |
| Calhoun | 2004 | 2272 | 410 | 1 | $3,532.00 |
| Calhoun | 2004 | 339 | 410 | 1 | $1,989.00 |
| Calhoun | 2004 | 339 | 590 | 25.7 | $988.00 |
| Calhoun | 2004 | 2483 | 410 | 1 | $1,672.00 |
| Calhoun | 2004 | 2483 | 590 | 25 | $291.00 |
| Calhoun | 2004 | 326 | 410 | 1 | $2,166.00 |
| Calhoun | 2004 | 2407 | 410 | 1 | $2,012.00 |
| Calhoun | 2004 | 226 | 410 | 1 | $1,721.00 |
| Calhoun | 2004 | 226 | 590 | 7.1 | $180.00 |
| Calhoun | 2004 | 213 | 410 | 1 | $1,654.00 |
| Calhoun | 2004 | 213 | 590 | 11.5 | $115.00 |
| Calhoun | 2004 | 2046 | 410 | 1 | $6,707.00 |
| Calhoun | 2004 | 3293 | 410 | 1 | $2,687.00 |
| Calhoun | 2004 | 2943 | 410 | 1 | $3,963.00 |
| Calhoun | 2004 | 2943 | 590 | 55 | $1,400.00 |
| Calhoun | 2004 | 3323 | 410 | 1 | $2,264.00 |


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|---|---|---|---|---|---|
| Chickasaw | 2004 | 2005 | 382 | 0 | $413.00 |
| Chickasaw | 2004 | 2005 | 590 | 145 | $5,182.00 |
| Chickasaw | 2004 | 2005 | 595 | 145 | $870.00 |
| Chickasaw | 2004 | 2272 | 378 | 2 | $2,360.00 |
| Chickasaw | 2004 | 2272 | 382 | 0 | $1,220.00 |
| Chickasaw | 2004 | 2272 | 590 | 155 | $3,255.00 |
| Chickasaw | 2004 | 2272 | 595 | 155 | $930.00 |
| Chickasaw | 2004 | 951 | 378 | 1 | $921.00 |
| Chickasaw | 2004 | 951 | 590 | 97.3 | $2,730.00 |
| Chickasaw | 2004 | 951 | 595 | 97.3 | $584.00 |
| Chickasaw | 2004 | 835 | 378 | 1 | $1,180.00 |
| Chickasaw | 2004 | 835 | 590 | 199.8 | $1,603.00 |
| Chickasaw | 2004 | 835 | 595 | 199.8 | $1,199.00 |
| | | | | | |
| Grenada | 2004 | 821 | 342 | 3 | $144.00 |
| Grenada | 2004 | 821 | 410 | 4 | $5,571.00 |
| Grenada | 2004 | 821 | 0 | 600 | $720.00 |
| Grenada | 2004 | 821 | 0 | 600 | $420.00 |
| Grenada | 2004 | 334 | 410 | 1 | $7,111.00 |
| Grenada | 2004 | 170 | 410 | 1 | $1,341.00 |
| Grenada | 2004 | 62 | 410 | 2 | $8,649.00 |
| Grenada | 2004 | 1208 | 410 | 3 | $10,016.00 |
| Grenada | 2004 | 456 | 410 | 2 | $6,229.00 |
| Grenada | 2004 | 175 | 410 | 2 | $4,850.00 |
| Grenada | 2004 | 1330 | 410 | 3 | $10,967.00 |
| Grenada | 2004 | 82 | 410 | 1 | $2,582.00 |
| Grenada | 2004 | 41 | 580 | 89 | $408.00 |
| Grenada | 2004 | 1126 | 410 | 3 | $556.00 |
| Grenada | 2004 | 447 | 410 | 2 | $4,653.00 |
| Grenada | 2004 | 1674 | 410 | 2 | $7,556.00 |
| Grenada | 2004 | 845 | 410 | 1 | $1,226.00 |
| Grenada | 2004 | 468 | 382 | 0 | $2,472.00 |
| Grenada | 2004 | 468 | 410 | 3 | $14,601.00 |
| Grenada | 2004 | 468 | 590 | 84.4 | $3,391.00 |
| Grenada | 2004 | 1312 | 410 | 2 | $11,505.00 |
| Grenada | 2004 | 1312 | 590 | 100 | $3,666.00 |
| Grenada | 2004 | 756 | 378 | 1 | $2,500.00 |
| Grenada | 2004 | 725 | 382 | 0 | $600.00 |
| Grenada | 2004 | 1498 | 342 | 2.2 | $674.00 |
| Grenada | 2004 | 1498 | 590 | 92 | $3,473.00 |
| Grenada | 2004 | 985 | 410 | 2 | $3,482.00 |
| Grenada | 2004 | 985 | 590 | 33.5 | $928.00 |
| Grenada | 2004 | 1350 | 410 | 1 | $1,136.00 |
| Grenada | 2004 | 1350 | 590 | 13.5 | $596.00 |
| Grenada | 2004 | 444 | 382 | 0 | $160.00 |


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|---|---|---|---|---|---|
| Yalobusha | 2004 | 1917 | 410 | 1 | $2,005.00 |
| Yalobusha | 2004 | 1897 | 410 | 2 | $19,562.00 |
| Yalobusha | 2004 | 1897 | 410 | 1 | $8,609.00 |
| Yalobusha | 2004 | 1633 | 410 | 1 | $3,245.00 |
| Yalobusha | 2004 | 43 | 410 | 1 | $18,743.00 |
| | | | | | |
| Calhoun | 2005 | 3341 | 490 | 20 | $1,000.00 |
| Calhoun | 2005 | 3341 | 612 | 20 | $640.00 |
| Calhoun | 2005 | 3031 | 490 | 9.5 | $475.00 |
| Calhoun | 2005 | 3031 | 612 | 9.5 | $304.00 |
| Calhoun | 2005 | 2097 | 490 | 85 | $4,250.00 |
| Calhoun | 2005 | 2097 | 612 | 85 | $2,720.00 |
| Calhoun | 2005 | 3075 | 595 | 4 | $800.00 |
| Calhoun | 2005 | 1744 | 595 | 3 | $600.00 |
| Calhoun | 2005 | 2553 | 490 | 20 | $1,000.00 |
| Calhoun | 2005 | 2553 | 612 | 20 | $640.00 |
| Calhoun | 2005 | 2863 | 490 | 15 | $750.00 |
| Calhoun | 2005 | 2863 | 595 | 3 | $600.00 |
| Calhoun | 2005 | 2863 | 612 | 15 | $480.00 |
| Calhoun | 2005 | 1664 | 490 | 25 | $1,250.00 |
| Calhoun | 2005 | 1664 | 612 | 25 | $800.00 |
| Calhoun | 2005 | 3364 | 490 | 52 | $2,600.00 |
| Calhoun | 2005 | 3364 | 612 | 52 | $1,664.00 |
| Calhoun | 2005 | 2981 | 410 | 30 | $1,500.00 |
| Calhoun | 2005 | 2981 | 612 | 30 | $960.00 |
| Calhoun | 2005 | 2531 | 490 | 25 | $1,250.00 |
| Calhoun | 2005 | 2531 | 612 | 25 | $800.00 |
| Calhoun | 2005 | 1844 | 655 | 1.3 | $573.00 |
| Calhoun | 2005 | 26 | 378 | 1 | $2,264.00 |
| Calhoun | 2005 | 2158 | 410 | 1 | $3,743.00 |
| Calhoun | 2005 | 676 | 382 | 0 | $560.00 |
| Calhoun | 2005 | 1358 | 378 | 1 | $1,080.00 |
| Calhoun | 2005 | 3155 | 378 | 1 | $1,080.00 |
| Calhoun | 2005 | 3268 | 382 | 0 | $1,180.00 |
| Calhoun | 2005 | 1239 | 382 | 0 | $560.00 |
| Calhoun | 2005 | 2980 | 382 | 0 | $480.00 |
| Calhoun | 2005 | 3349 | 410 | 1 | $4,816.00 |
| Calhoun | 2005 | 1294 | 410 | 1 | $3,101.00 |
| Calhoun | 2005 | 523 | 410 | 1 | $5,006.00 |
| Calhoun | 2005 | 3237 | 410 | 1 | $4,488.00 |
| Calhoun | 2005 | 3052 | 410 | 2 | $7,451.00 |
| Calhoun | 2005 | 3316 | 410 | 1 | $3,323.00 |
| Calhoun | 2005 | 2955 | 410 | 1 | $2,736.00 |
| Calhoun | 2005 | 3125 | 410 | 1 | $3,978.00 |
| Calhoun | 2005 | 3237 | 410 | 1 | $2,660.00 |


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|---|---|---|---|---|---|
| Grenada | 2005 | 1633 | 382 | 0 | $300.00 |
| Grenada | 2005 | 1633 | 590 | 48.9 | $1,159.00 |
| Grenada | 2005 | 1692 | 378 | 1 | $2,500.00 |
| Grenada | 2005 | 1716 | 378 | 1 | $2,500.00 |
| Grenada | 2005 | 1634 | 561 | 0 | $2,160.00 |
| Grenada | 2005 | 1634 | 590 | 84 | $1,569.00 |
| Grenada | 2005 | 1208 | 410 | 1 | $2,632.00 |
| Grenada | 2005 | 1208 | 590 | 100 | $3,922.00 |
| Grenada | 2005 | 1208 | 728 | 1 | $842.00 |
| Grenada | 2005 | 170 | 410 | 1 | $2,307.00 |
| Grenada | 2005 | 170 | 590 | 43 | $1,180.00 |
| Grenada | 2005 | 292 | 378 | 1 | $2,500.00 |
| Grenada | 2005 | 292 | 590 | 100 | $2,637.00 |
| Grenada | 2005 | 345 | 378 | 1 | $2,171.00 |
| Grenada | 2005 | 1444 | 382 | 0 | $350.00 |
| Grenada | 2005 | 1444 | 590 | 47 | $1,889.00 |
| Grenada | 2005 | 1341 | 410 | 1 | $5,810.00 |
| Grenada | 2005 | 1341 | 590 | 100 | $2,758.00 |
| Grenada | 2005 | 1349 | 410 | 1 | $4,965.00 |
| Grenada | 2005 | 1059 | 378 | 1 | $1,287.00 |
| Grenada | 2005 | 1059 | 410 | 1 | $2,348.00 |
| Grenada | 2005 | 1123 | 410 | 1 | $7,933.00 |
| Grenada | 2005 | 1547 | 410 | 1 | $2,819.00 |
| Grenada | 2005 | 1546 | 410 | 2 | $5,681.00 |
| Grenada | 2005 | 1578 | 410 | 1 | $2,550.00 |
| Grenada | 2005 | 592 | 410 | 2 | $6,296.00 |
| Grenada | 2005 | 496 | 410 | 1 | $9,570.00 |
| Grenada | 2005 | 513 | 410 | 3 | $7,106.00 |
| Grenada | 2005 | 1681 | 410 | 1 | $6,065.00 |
| Grenada | 2005 | 559 | 342 | 1 | $327.00 |
| Grenada | 2005 | 559 | 410 | 1 | $3,272.00 |
| Grenada | 2005 | 1047 | 410 | 1 | $5,303.00 |
| Grenada | 2005 | 1498 | 410 | 1 | $2,935.00 |
| Grenada | 2005 | 1262 | 410 | 1 | $2,916.00 |
| Grenada | 2005 | 665 | 410 | 1 | $4,799.00 |
| Grenada | 2005 | 1346 | 410 | 1 | $5,661.00 |
| Grenada | 2005 | 581 | 410 | 1 | $4,857.00 |
| Grenada | 2005 | 1502 | 410 | 1 | $3,458.00 |
| Grenada | 2005 | 1278 | 410 | 3 | $5,198.00 |
| Grenada | 2005 | 1565 | 410 | 1 | $6,900.00 |
| Grenada | 2005 | 485 | 410 | 2 | $7,063.00 |
| Grenada | 2005 | 1501 | 410 | 3 | $4,541.00 |
| Grenada | 2005 | 1219 | 410 | 1 | $1,500.00 |
| Grenada | 2005 | 468 | 410 | 1 | $1,125.00 |
| Grenada | 2005 | 1312 | 410 | 2 | $5,984.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Webster | 2005 | 1463 | 410 | 1 | $567.00 |
| Webster | 2005 | 2305 | 410 | 1 | $3,020.00 |
| Webster | 2005 | 2328 | 410 | 1 | $5,605.00 |
| Webster | 2005 | 1943 | 410 | 1 | $629.00 |
| Webster | 2005 | 42 | 410 | 1 | $1,547.00 |
| Webster | 2005 | 4126 | 410 | 1 | $799.00 |
| Webster | 2005 | 85 | 410 | 2 | $1,485.00 |
| | | | | | |
| Yalobusha | 2005 | 707 | 378 | 1 | $1,108.00 |
| Yalobusha | 2005 | 707 | 410 | 1 | $3,195.00 |
| Yalobusha | 2005 | 707 | 590 | 15.5 | $578.00 |
| Yalobusha | 2005 | 818 | 378 | 1 | $1,431.00 |
| Yalobusha | 2005 | 818 | 590 | 20.6 | $1,271.00 |
| Yalobusha | 2005 | 821 | 382 | 0 | $792.00 |
| Yalobusha | 2005 | 821 | 410 | 1 | $4,168.00 |
| Yalobusha | 2005 | 821 | 590 | 77 | $2,993.00 |
| Yalobusha | 2005 | 1031 | 378 | 2 | $2,455.00 |
| Yalobusha | 2005 | 1031 | 410 | 1 | $4,946.00 |
| Yalobusha | 2005 | 1031 | 590 | 60.2 | $1,181.00 |
| Yalobusha | 2005 | 1897 | 382 | 0 | $250.00 |
| Yalobusha | 2005 | 1897 | 410 | 1 | $1,220.00 |
| Yalobusha | 2005 | 1897 | 590 | 47.1 | $1,694.00 |
| Yalobusha | 2005 | 1931 | 378 | 1 | $539.00 |
| Yalobusha | 2005 | 1931 | 382 | 0 | $400.00 |
| Yalobusha | 2005 | 1931 | 590 | 25 | $901.00 |
| Yalobusha | 2005 | 24 | 590 | 48.9 | $785.00 |
| Yalobusha | 2005 | 24 | 614 | 3 | $5,151.00 |
| Yalobusha | 2005 | 1820 | 490 | 0 | $438.00 |
| Yalobusha | 2005 | 1820 | 612 | 14.6 | $467.00 |
| Yalobusha | 2005 | 1098 | 595 | 5 | $1,000.00 |
| Yalobusha | 2005 | 1912 | 410 | 1 | $4,535.00 |
| Yalobusha | 2005 | 1727 | 410 | 1 | $5,767.00 |
| Yalobusha | 2005 | 1917 | 410 | 1 | $1,049.00 |
| Yalobusha | 2005 | 838 | 342 | 1.5 | $478.00 |
| Yalobusha | 2005 | 1574 | 410 | 2 | $2,360.00 |
| | | | | | |
| Calhoun | 2006 | A272 | 362 | 2 | $604.00 |
| Calhoun | 2006 | B241 | 362 | 2 | $906.00 |
| Calhoun | 2006 | B370 | 362 | 2 | $113.25 |
| Calhoun | 2006 | C202 | 362 | 2 | $641.75 |
| Calhoun | 2006 | C203 | 362 | 1 | $830.50 |
| Calhoun | 2006 | C205 | 362 | 2 | $113.25 |
| Calhoun | 2006 | C266 | 362 | 2 | $566.25 |
| Calhoun | 2006 | A135 | 378 | 1 | $1,746.00 |
| Calhoun | 2006 | B319 | 378 | 1 | $1,164.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Calhoun | 2006 | B055 | 410 | 1 | $10,067.00 |
| Calhoun | 2006 | B762 | 490 | 1 | $1,310.00 |
| Chickasaw | 2006 | A735 | 342 | 1 | $1,487.16 |
| Chickasaw | 2006 | E561 | 342 | 1 | $2,542.75 |
| Chickasaw | 2006 | B935 | 350 | 1 | $11,740.00 |
| Chickasaw | 2006 | F128 | 378 | 1 | $1,282.77 |
| Chickasaw | 2006 | A765 | 382 | 5 | $430.00 |
| Chickasaw | 2006 | A727 | 410 | 1 | $2,178.00 |
| Chickasaw | 2006 | A741 | 317 | 1 | $16,848.00 |
| Chickasaw | 2006 | E762 | 342 | 1 | $266.00 |
| Chickasaw | 2006 | A729 | 350 | 1 | $2,315.00 |
| Chickasaw | 2006 | E520 | 350 | 1 | $2,287.50 |
| Chickasaw | 2006 | A732 | 351 | 1 | $150.00 |
| Chickasaw | 2006 | E762 | 362 | 2 | $816.00 |
| Chickasaw | 2006 | A745 | 378 | 1 | $3,563.50 |
| Chickasaw | 2006 | A751 | 378 | 1 | $412.00 |
| Chickasaw | 2006 | A751 | 378 | 2 | $703.00 |
| Chickasaw | 2006 | A751 | 378 | 3 | $315.00 |
| Chickasaw | 2006 | A765 | 378 | 1 | $4,160.00 |
| Chickasaw | 2006 | E529 | 378 | 1 | $809.50 |
| Chickasaw | 2006 | E764 | 378 | 1 | $2,955.60 |
| Chickasaw | 2006 | A762 | 378 | 1 | $2,361.00 |
| Chickasaw | 2006 | A762 | 382 | 2 | $645.00 |
| Chickasaw | 2006 | F022 | 382 | 1 | $516.00 |
| Chickasaw | 2006 | A725 | 410 | 1 | $2,763.75 |
| Chickasaw | 2006 | A725 | 410 | 2 | $2,499.75 |
| Chickasaw | 2006 | A759 | 410 | 1 | $2,825.25 |
| Chickasaw | 2006 | B936 | 410 | 1 | $1,224.00 |
| Chickasaw | 2006 | B936 | 410 | 2 | $924.00 |
| Chickasaw | 2006 | B936 | 410 | 3 | $930.00 |
| Chickasaw | 2006 | B937 | 410 | 1 | $1,623.75 |
| Chickasaw | 2006 | B937 | 410 | 2 | $1,529.25 |
| Chickasaw | 2006 | B937 | 410 | 3 | $1,665.75 |
| Chickasaw | 2006 | A742 | 490 | 1 | $25.50 |
| Chickasaw | 2006 | E521 | 490 | 1 | $711.00 |
| Chickasaw | 2006 | A765 | 512 | 2 | $616.00 |
| Chickasaw | 2006 | A770 | 512 | 1 | $1,066.00 |
| Chickasaw | 2006 | E758 | 512 | 2 | $273.00 |
| Chickasaw | 2006 | A745 | 590 | 2 | $4,059.46 |
| Chickasaw | 2006 | A751 | 590 | 4 | $837.07 |
| Chickasaw | 2006 | E529 | 590 | 2 | $4,508.40 |
| Chickasaw | 2006 | F022 | 590 | 2 | $3,851.10 |
| Chickasaw | 2006 | F128 | 590 | 2 | $3,514.15 |
| Chickasaw | 2006 | E758 | 590 | 3 | $2,795.00 |
| Chickasaw | 2006 | A762 | 590 | 5 | $3,014.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Grenada | 2006 | A212 | 410 | 1 | $1,941.00 |
| Grenada | 2006 | A212 | 410 | 2 | $2,050.00 |
| Grenada | 2006 | A212 | 410 | 3 | $1,754.00 |
| Grenada | 2006 | A276 | 410 | 1 | $752.25 |
| Grenada | 2006 | A277 | 410 | 1 | $8,139.75 |
| Grenada | 2006 | A277 | 410 | 2 | $2,450.25 |
| Grenada | 2006 | A282 | 410 | 1 | $3,295.50 |
| Grenada | 2006 | A285 | 410 | 1 | $6,704.25 |
| Grenada | 2006 | A286 | 410 | 1 | $2,950.50 |
| Grenada | 2006 | A286 | 410 | 2 | $2,916.00 |
| Grenada | 2006 | A287 | 410 | 1 | $3,976.50 |
| Grenada | 2006 | A287 | 410 | 2 | $6,104.25 |
| Grenada | 2006 | A289 | 410 | 2 | $2,712.75 |
| Grenada | 2006 | A289 | 410 | 3 | $1,651.50 |
| Grenada | 2006 | A290 | 410 | 1 | $2,968.50 |
| Grenada | 2006 | A292 | 410 | 1 | $2,709.75 |
| Grenada | 2006 | A292 | 410 | 2 | $7,656.00 |
| Grenada | 2006 | A301 | 410 | 1 | $3,663.00 |
| Grenada | 2006 | A301 | 410 | 2 | $2,831.25 |
| Grenada | 2006 | A301 | 410 | 3 | $1,247.25 |
| Grenada | 2006 | A303 | 410 | 1 | $3,825.75 |
| Grenada | 2006 | A305 | 410 | 2 | $5,319.75 |
| Grenada | 2006 | A306 | 410 | 1 | $6,690.60 |
| Grenada | 2006 | A306 | 410 | 2 | $5,806.80 |
| Grenada | 2006 | A307 | 410 | 2 | $9,543.75 |
| Grenada | 2006 | A344 | 410 | 1 | $2,532.00 |
| Grenada | 2006 | A344 | 410 | 2 | $2,405.50 |
| Grenada | 2006 | A345 | 410 | 1 | $2,667.00 |
| Grenada | 2006 | A345 | 410 | 2 | $1,637.25 |
| Grenada | 2006 | A593 | 410 | 2 | $5,871.00 |
| Grenada | 2006 | A593 | 410 | 3 | $3,809.25 |
| Grenada | 2006 | A593 | 410 | 4 | $6,425.25 |
| Grenada | 2006 | A801 | 410 | 1 | $2,987.25 |
| Grenada | 2006 | A801 | 410 | 2 | $5,157.75 |
| Grenada | 2006 | B534 | 410 | 1 | $3,021.00 |
| Grenada | 2006 | B541 | 410 | 1 | $4,644.00 |
| Grenada | 2006 | B552 | 410 | 1 | $2,546.25 |
| Grenada | 2006 | C191 | 410 | 1 | $2,949.30 |
| Grenada | 2006 | C191 | 410 | 2 | $4,208.40 |
| Grenada | 2006 | C191 | 410 | 3 | $8,416.80 |
| Grenada | 2006 | C937 | 410 | 1 | $2,109.00 |
| Grenada | 2006 | D582 | 410 | 1 | $4,977.00 |
| Grenada | 2006 | D583 | 410 | 1 | $2,154.75 |
| Grenada | 2006 | D603 | 410 | 1 | $2,112.00 |
| Grenada | 2006 | D671 | 410 | 1 | $9,004.50 |



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| | | | | | |
|---|---|---|---|---|---|
| Webster | 2006 | C665 | 410 | 1 | $4,566.00 |
| Webster | 2006 | C669 | 410 | 1 | $823.50 |
| Webster | 2006 | C674 | 410 | 1 | $1,599.00 |
| Webster | 2006 | C691 | 410 | 1 | $837.00 |
| Webster | 2006 | C691 | 410 | 2 | $867.60 |
| Webster | 2006 | C691 | 410 | 3 | $896.40 |
| Webster | 2006 | C721 | 410 | 1 | $1,256.25 |
| Webster | 2006 | C936 | 410 | 1 | $1,314.75 |
| Webster | 2006 | C936 | 410 | 2 | $918.75 |
| Webster | 2006 | C978 | 410 | 1 | $7,581.00 |
| Webster | 2006 | C978 | 410 | 2 | $1,110.75 |
| Webster | 2006 | D291 | 410 | 1 | $1,845.00 |
| Webster | 2006 | D311 | 410 | 1 | $8,616.00 |
| Webster | 2006 | D759 | 410 | 1 | $1,161.75 |
| Webster | 2006 | D759 | 410 | 2 | $1,524.75 |
| Webster | 2006 | C812 | 490 | 1 | $510.00 |
| Webster | 2006 | C815 | 490 | 1 | $468.00 |
| Webster | 2006 | C827 | 490 | 1 | $954.80 |
| Webster | 2006 | C837 | 490 | 2 | $750.00 |
| Webster | 2006 | C839 | 490 | 1 | $420.00 |
| Webster | 2006 | C852 | 490 | 1 | $3,293.00 |
| Webster | 2006 | C875 | 490 | 1 | $1,050.00 |
| Webster | 2006 | C875 | 490 | 2 | $2,000.00 |
| Webster | 2006 | C880 | 490 | 1 | $276.00 |
| Webster | 2006 | D308 | 490 | 1 | $1,125.00 |
| Webster | 2006 | C687 | 590 | 1 | $862.11 |
| Webster | 2006 | C687 | 590 | 2 | $301.16 |
| Webster | 2006 | D272 | 590 | 3 | $567.00 |
| Webster | 2006 | D288 | 590 | 2 | $603.63 |
| Webster | 2006 | D309 | 590 | 2 | $179.98 |
| Webster | 2006 | E967 | 590 | 4 | $680.40 |
| Webster | 2006 | C936 | 595 | 3 | $648.00 |
| Webster | 2006 | D272 | 595 | 5 | $324.00 |
| Webster | 2006 | D288 | 595 | 3 | $324.00 |
| Webster | 2006 | C812 | 612 | 2 | $544.00 |
| Webster | 2006 | C815 | 612 | 2 | $499.20 |
| Webster | 2006 | C827 | 612 | 2 | $492.80 |
| Webster | 2006 | C831 | 612 | 2 | $1,952.00 |
| Webster | 2006 | C837 | 612 | 3 | $160.00 |
| Webster | 2006 | C839 | 612 | 2 | $448.00 |
| Webster | 2006 | C852 | 612 | 2 | $1,698.40 |
| Webster | 2006 | C875 | 612 | 3 | $672.00 |
| Webster | 2006 | C880 | 612 | 2 | $294.40 |
| Webster | 2006 | D308 | 612 | 3 | $720.00 |
| Webster | 2006 | C973 | 614 | 2 | $1,076.00 |



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| | | | | | |
|---|---|---|---|---|---|
| Yalobusha | 2006 | E617 | 378 | 8 | $860.20 |
| Yalobusha | 2006 | E618 | 378 | 7 | $160.00 |
| Yalobusha | 2006 | E930 | 378 | 1 | $2,650.50 |
| Yalobusha | 2006 | E986 | 378 | 1 | $900.00 |
| Yalobusha | 2006 | E988 | 378 | 5 | $2,700.00 |
| Yalobusha | 2006 | E990 | 378 | 1 | $1,440.00 |
| Yalobusha | 2006 | E991 | 378 | 1 | $4,500.00 |
| Yalobusha | 2006 | E993 | 378 | 2 | $2,700.00 |
| Yalobusha | 2006 | B598 | 378 | 4 | $3,600.00 |
| Yalobusha | 2006 | C618 | 378 | 3 | $600.00 |
| Yalobusha | 2006 | C618 | 378 | 4 | $600.00 |
| Yalobusha | 2006 | D442 | 378 | 1 | $4,500.00 |
| Yalobusha | 2006 | D899 | 378 | 4 | $2,000.00 |
| Yalobusha | 2006 | E618 | 378 | 8 | $2,340.00 |
| Yalobusha | 2006 | E928 | 378 | 6 | $1,800.00 |
| Yalobusha | 2006 | F108 | 378 | 4 | $1,800.00 |
| Yalobusha | 2006 | A857 | 382 | 6 | $1,377.72 |
| Yalobusha | 2006 | A857 | 382 | 7 | $665.64 |
| Yalobusha | 2006 | D900 | 382 | 2 | $774.00 |
| Yalobusha | 2006 | D900 | 382 | 3 | $516.00 |
| Yalobusha | 2006 | E984 | 382 | 4 | $1,084.00 |
| Yalobusha | 2006 | A297 | 410 | 1 | $1,674.75 |
| Yalobusha | 2006 | A297 | 410 | 2 | $1,451.25 |
| Yalobusha | 2006 | A299 | 410 | 1 | $1,848.75 |
| Yalobusha | 2006 | A413 | 410 | 1 | $1,716.00 |
| Yalobusha | 2006 | B547 | 410 | 4 | $4,950.00 |
| Yalobusha | 2006 | D197 | 410 | 3 | $3,026.90 |
| Yalobusha | 2006 | D197 | 410 | 4 | $2,115.75 |
| Yalobusha | 2006 | D903 | 410 | 1 | $2,647.73 |
| Yalobusha | 2006 | E645 | 410 | 1 | $7,385.25 |
| Yalobusha | 2006 | E645 | 410 | 2 | $7,604.25 |
| Yalobusha | 2006 | E649 | 410 | 1 | $5,890.50 |
| Yalobusha | 2006 | E984 | 410 | 5 | $4,702.50 |
| Yalobusha | 2006 | E989 | 410 | 1 | $4,080.00 |
| Yalobusha | 2006 | E617 | 412 | 5 | $280.80 |
| Yalobusha | 2006 | A413 | 490 | 2 | $510.00 |
| Yalobusha | 2006 | E667 | 490 | 1 | $912.00 |
| Yalobusha | 2006 | E670 | 490 | 2 | $2,600.00 |
| Yalobusha | 2006 | E669 | 490 | 1 | $4,000.00 |
| Yalobusha | 2006 | D196 | 512 | 1 | $1,319.76 |
| Yalobusha | 2006 | E628 | 561 | 3 | $387.00 |
| Yalobusha | 2006 | E987 | 561 | 2 | $697.00 |
| Yalobusha | 2006 | E993 | 561 | 5 | $810.00 |
| Yalobusha | 2006 | A857 | 590 | 1 | $1,575.48 |
| Yalobusha | 2006 | B309 | 590 | 1 | $1,991.58 |



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| | | | | | |
|---|---|---|---|---|---|
| Yalobusha | 2006 | B309 | 378 | 4 | $4,050.00 |
| Yalobusha | 2006 | D626 | 382 | 2 | $430.00 |
| Yalobusha | 2006 | E617 | 382 | 6 | $559.00 |
| Yalobusha | 2006 | E628 | 382 | 1 | $367.20 |
| Yalobusha | 2006 | E986 | 382 | 2 | $1,393.00 |
| Yalobusha | 2006 | E987 | 382 | 1 | $510.84 |
| Yalobusha | 2006 | E991 | 382 | 2 | $2,372.00 |
| Yalobusha | 2006 | F108 | 382 | 5 | $1,021.68 |
| Yalobusha | 2006 | B309 | 382 | 3 | $403.00 |
| Yalobusha | 2006 | B598 | 382 | 3 | $3,328.00 |
| Yalobusha | 2006 | C618 | 382 | 6 | $860.00 |
| Yalobusha | 2006 | D442 | 382 | 2 | $929.00 |
| Yalobusha | 2006 | D899 | 382 | 5 | $344.00 |
| Yalobusha | 2006 | D899 | 382 | 6 | $1,376.00 |
| Yalobusha | 2006 | E617 | 382 | 7 | $559.00 |
| Yalobusha | 2006 | E618 | 382 | 5 | $602.00 |
| Yalobusha | 2006 | E618 | 382 | 6 | $516.00 |
| Yalobusha | 2006 | E928 | 382 | 5 | $875.00 |
| Yalobusha | 2006 | E930 | 382 | 2 | $511.00 |
| Yalobusha | 2006 | E988 | 382 | 6 | $2,012.00 |
| Yalobusha | 2006 | E990 | 382 | 2 | $1,022.00 |
| Yalobusha | 2006 | E993 | 382 | 3 | $1,022.00 |
| Yalobusha | 2006 | E664 | 490 | 1 | $321.00 |
| Yalobusha | 2006 | E665 | 490 | 1 | $189.00 |
| Yalobusha | 2006 | E666 | 490 | 1 | $900.00 |
| Yalobusha | 2006 | B309 | 490 | 5 | $1,800.00 |
| Yalobusha | 2006 | E668 | 490 | 1 | $4,230.00 |
| Yalobusha | 2006 | E988 | 490 | 3 | $1,800.00 |
| Yalobusha | 2006 | C618 | 512 | 7 | $801.00 |
| Yalobusha | 2006 | E617 | 512 | 4 | $902.00 |
| Yalobusha | 2006 | E628 | 512 | 7 | $1,260.00 |
| Yalobusha | 2006 | A857 | 590 | 2 | $819.20 |
| Yalobusha | 2006 | B547 | 590 | 2 | $436.00 |
| Yalobusha | 2006 | D197 | 590 | 7 | $415.80 |
| Yalobusha | 2006 | D442 | 590 | 4 | $930.71 |
| Yalobusha | 2006 | D626 | 590 | 4 | $476.28 |
| Yalobusha | 2006 | D900 | 590 | 5 | $1,512.00 |
| Yalobusha | 2006 | E617 | 590 | 2 | $757.51 |
| Yalobusha | 2006 | E618 | 590 | 2 | $226.80 |
| Yalobusha | 2006 | E928 | 590 | 2 | $718.00 |
| Yalobusha | 2006 | E928 | 590 | 3 | $400.00 |
| Yalobusha | 2006 | E986 | 590 | 6 | $672.16 |
| Yalobusha | 2006 | E987 | 590 | 4 | $544.32 |
| Yalobusha | 2006 | E988 | 590 | 1 | $566.00 |
| Yalobusha | 2006 | E990 | 590 | 4 | $1,107.62 |



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## Appendix 3. COE Grade Stabilization Structure

| | | 05 | Quad | T,R,S | Coordinates | |
|---|---|---|---|---|---|---|
| year | Site # | | (1:24000) | | (Latitude) | (Longitude) |
| 1997 | YAL- 1 | C | Big Creek | 23N, 8E,16 | N33° 51' 42.98" | W89° 27' 26.20" |
| 1997 | YAL- 2 | C | Bruce | 23W, 9E,10 | N33° 52' 44.41" | W89° 20' 59.68" |
| 1997 | YAL- 3 | C | Bruce | 23W, 9E, 2 | N33° 53' 10.50" | W89° 19' 14.55" |
| 1997 | YAL- 4 | C | Calhoun City | 23N, 9E,15 | N33° 51' 27.57" | W89° 20' 47.98" |
| 1997 | YAL- 6 | C | Vardaman | 14S, 2E, 7 | N33° 52' 55.34" | W89° 08' 15.61" |
| 1997 | YAL- 7 | C | Calhoun City | 22N,10E, 8 | N33° 47' 14.29" | W89° 16' 20.87" |
| 1997 | YAL- 8 | C | Calhoun City | 22N,10E, 8 | N33° 47' 13.42" | W89° 16' 02.36" |
| 1997 | YAL- 9 | C | Atlanta | 22N,10E,15 | N33° 46' 48.13" | W89° 14' 48.13" |
| 1997 | YAL-10 | C | Atlanta | 22N,10E,11 | N33° 46' 28.18" | W89° 13' 44.20" |
| 1997 | YAL-12 | C | Atlanta | 15S, 1E,21 | N33° 45' 54.01" | W89° 11' 36.65" |
| 1997 | YAL-13 | C | Vardaman | 13S, 1E,32 | N33° 54' 21.24" | W89° 13' 21.76" |
| 1997 | YAL-14 | C | Bruce | 23W, 9E, 2 | N33° 52' 57.95" | W89° 19' 11.73" |
| 1997 | 15 | C | Calhoun City | | N33° 51' 31.39" | W89° 16' 44.37" |
| 1997 | 16 | C | Atlanta | | N33° 51' 35.41" | W89° 11' 19.11" |
| 1997 | 17 | C | Bruce | | N33° 53' 49.23" | W89° 18' 08.78" |
| 1997 | 18 | C | Atlanta | | N33° 46' 40.78" | W89° 14' 34.07" |
| 1997 | 19 | C | Big Creek | | N33° 52' 21.92" | W89° 24' 23.08" |
| 1997 | 20 | C | Mantee | | N33° 42' 43.05" | W89° 06' 54.24" |
| 1997 | 21 | C | Mantee | | N33° 43' 41.10" | W89° 07' 17.70" |
| 1997 | 22 | C | Hohenlinden | | N33° 43' 53.41" | W89° 09' 08.88" |
| 1997 | 23 | C | Hohenlinden | | N33° 43' 53.28" | W89° 09' 07.39" |
| 1997 | 24 | C | Hohenlinden | | N33° 44' 19.64" | W89° 10' 36.14" |
| 1997 | 25 | C | Hohenlinden | | N33° 43' 50.80" | W89° 10' 40.89" |
| 1997 | 26 | C | Woodland | | N33° 45' 41.05" | W89° 07' 27.37" |
| 1997 | 27 | C | Atlanta | | N33° 45' 12.71" | W89° 10' 33.68" |
| 1997 | 28 | C | Atlanta | | N33° 45' 54.84" | W89° 11' 21.51" |
| 1997 | 29 | C | Woodland | | N33° 50' 26.75" | W89° 06' 41.37" |
| 1997 | 30 | C | Vardaman | | N33° 52' 53.02" | W89° 08' 11.07" |
| 1997 | 31 | C | Houston West | | N33° 54' 36.01" | W89° 06' 12.98" |
| 1997 | 32 | C | Houston West | | N33° 54' 47.19" | W89° 06' 10.01" |
| 1997 | 34 | C | Houston West | | N33° 55' 48.83" | W89° 06' 34.76" |
| 1997 | 35 | C | Atlanta | | N33° 47' 26.68" | W89° 08' 39.29" |
| 1997 | 36 | C | Atlanta | | N33° 45' 13.46" | W89° 10' 14.41" |
| 1997 | 37 | C | Atlanta | | N33° 47' 15.00" | W89° 11' 07.31" |
| 1997 | 38 | C | Atlanta | | N33° 47' 16.61" | W89° 10' 50.13" |
| 1997 | 39 | C | Hohenlinden | | N33° 44' 34.18" | W89° 09' 10.10" |



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|---|---|---|---|---|---|---|
| 2001 | YAL-02-03 | A | Hohenlinden | | N33 ° 44.659" | W89 ° 08.770 |
| 2001 | YAL-02-04 | A | Hohenlinden | | N33 ° 44.661" | W89 ° 08.662 |
| 2001 | YAL-02-05 | A | Hohenlinden | | N33 ° 44.710" | W89 ° 08.491 |
| 2001 | YAL-02-07 | A | Hohenlinden | | N33 ° 44.798" | W89 ° 09.661 |
| 2001 | YAL-02-08 | A | Hohenlinden | | N33 ° 44.713" | W89 ° 09.388 |
| 2001 | YAL-02-09 | A | Hohenlinden | | N33 ° 44.385" | W89 ° 08.940 |
| 2001 | YAL-02-10 | A | Atlanta | | N33 ° 45.433" | W89 ° 11.173 |
| 2001 | YAL-02-11 | A | Woodland | | N33 ° 45.478" | W89 ° 07.444 |
| 2001 | YAL-02-12 | A | Hohenlinden | | N33 ° 44.982" | W89 ° 10.365 |
| 2001 | YAL-02-13 | A | Hohenlinden | | N33 ° 43.853" | W89 ° 10.628 |
| 2001 | YAL-02-14 | A | Atlanta | | N33 ° 45.167" | W89 ° 10.396 |
| 2001 | YAL-02-15 | A | Atlanta | | N33 ° 45.032" | W89 ° 10.891 |
| 2001 | YAL-02-16 | A | Hohenlinden | | N33 ° 44.939" | W89 ° 10.833 |
| 2001 | YAL-02-17 | A | Atlanta | | N33 ° 45.538" | W89 ° 10.726 |
| 2002 | YAL-02-18 | A | Atlanta | | N33 ° 45.395" | W89 ° 09.081 |
| 2002 | YAL-02-19 | A | Atlanta | | N33 ° 45.711" | W89 ° 09.032 |
| 2002 | YAL-02-20 | A | Atlanta | | N33 ° 45.704" | W89 ° 10.719 |
| 2002 | YAL-02-21 | A | Atlanta | | N33 ° 45.743" | W89 ° 11.115 |
| 2002 | YAL-02-22 | A | Atlanta | | N33 ° 47.457" | W89 ° 10.912 |
| 2002 | YAL-02-23 | A | Atlanta | | N33 ° 47.404" | W89 ° 11.071 |
| 2002 | YAL-02-24 | A | Atlanta | | N33 ° 47.401" | W89 ° 09.843 |
| 2002 | YAL-02-25 | A | Atlanta | | N33 ° 48.544" | W89 ° 08.724 |
| 2002 | YAL-02-26 | A | Atlanta | | N33° 48' 38.37" | W89° 08' 42.33" |
| 2002 | YAL-02-27 | A | Atlanta | | N33 48' 733" | W89 08.645" |
| 2002 | YAL-02-28 | A | Atlanta | | N33 48' 887" | W89 08.525" |
| 2002 | YAL-02-29 | A | Atlanta | | N33 47.626" | W89 07.990" |
| 2002 | YAL-02-30 | A | Atlanta | | N33 47.527" | W89 07.747" |
| 2002 | YAL-02-31 | A | Woodland | | N33 47.560" | W89 07.032" |
| 2002 | YAL-02-32 | A | Woodland | | N33 47.589" | W89 06.922" |
| 2002 | YAL-02-33 | A | Woodland | | N33 47.609" | W89 06.844" |
| 2003 | YAL-04-30 | F | | | N33° 54' 7.3" | W89° 24' 29.5" |
| 2003 | YAL-04-31 | F | | | N33° 53' 55.6" | W89° 23' 40.3" |
| 2003 | YAL-04-32 | F | | | N33° 51' 17.3" | W89° 21' 46.0" |
| 2003 | YAL-04-33 | F | | | N33° 48' 00.0" | W89° 18' 25.1" |
| 2003 | YAL-04-34 | F | | | N33° 48' 27.8" | W89° 19' 25.2" |
| 2003 | YAL-04-35 | F | | | N33° 47' 56.8" | W89° 18' 26.0" |
| 2003 | YAL-04-36 | F | | | N33° 45' 9.6" | W89° 19' 45.1" |
| 2003 | YAL-04-37 | F | | | N33° 47' 21.5" | W89° 17' 02.9" |
| 2003 | YAL-04-38 | F | | | N33° 47' 06.3" | W89° 15' 42.8" |
| 2003 | YAL-04-39 | F | | | N33° 46' 24.6" | W89° 14' 01.7" |
| 2003 | YAL-04-40 | F | | | N33° 46' 08.6" | W89° 12' 25.3" |
| 2003 | YAL-04-41 | F | | | N33° 47' 27.3" | W89° 12' 22.3" |
| 2003 | YAL-04-42 | F | | | N33° 47' 48.1" | W89° 12' 27.0" |


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## Appendix 4

**Table of USGS streamflow, sediment concentration, and sediment discharge data available for gaging stations in the YRW.**

| | Calhoun | | | Topashaw-Calhoun | | | Derma | | | Vardaman | | | Topashaw-Hohenlinden | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7282000 | | | 7282100 | | | 7281977 | | | 7281960 | | | 7282075 | | |
| Date | Streamflow (cfs) | Concentration (mg/L) | Sediment Discharge (tons/day) | Streamflow (cfs) | Sediment Concentration (mg/L) | Sediment Discharge (tons/day) | Streamflow (CFS) | Concentration (mg/L) | Sediment Discharge (tons/day) | Streamflow (CFS) | Concentration (mg/L) | Sediment Discharge (tons/day) | Streamflow (cfs) | Sediment Concentration (mg/L) | Sediment Discharge (tons/day) |
| 10/1/1995 | 3.6 | | | | | | | | | | | | | | |
| 10/2/1995 | 3.3 | | | | | | | | | | | | | | |
| 10/3/1995 | 6.5 | | | | | | | | | | | | | | |
| 10/4/1995 | 11 | | | | | | | | | | | | | | |
| 10/5/1995 | 11 | | | | | | | | | | | | | | |
| 10/6/1995 | 8.6 | | | | | | | | | | | | | | |
| 10/7/1995 | 7 | | | | | | | | | | | | | | |
| 10/8/1995 | 5.8 | | | | | | | | | | | | | | |
| 10/9/1995 | 5.1 | | | | | | | | | | | | | | |
| 10/10/1995 | 4.5 | | | | | | | | | | | | | | |
| 10/11/1995 | 4.1 | | | | | | | | | | | | | | |
| 10/12/1995 | 3.7 | | | | | | | | | | | | | | |
| 10/13/1995 | 3.5 | | | | | | | | | | | | | | |
| 10/14/1995 | 3.7 | | | | | | | | | | | | | | |
| 10/15/1995 | 3.7 | | | | | | | | | | | | | | |
| 10/16/1995 | 3.5 | | | | | | | | | | | | | | |
| 10/17/1995 | 3.3 | | | | | | | | | | | | | | |
| 10/18/1995 | 3.2 | | | | | | | | | | | | | | |
| 10/19/1995 | 3 | | | | | | | | | | | | | | |
| 10/20/1995 | 2.9 | | | | | | | | | | | | | | |
| 10/21/1995 | 2.8 | | | | | | | | | | | | | | |
| 10/22/1995 | 2.6 | | | | | | | | | | | | | | |
| 10/23/1995 | 2.5 | | | | | | | | | | | | | | |
| 10/24/1995 | 2.4 | | | | | | | | | | | | | | |
| 10/25/1995 | 2.3 | | | | | | | | | | | | | | |
| 10/26/1995 | 2.2 | | | | | | | | | | | | | | |
| 10/27/1995 | 46 | | | | | | | | | | | | | | |
| 10/28/1995 | 146 | | | | | | | | | | | | | | |
| 10/29/1995 | 33 | | | | | | | | | | | | | | |
| 10/30/1995 | 15 | | | | | | | | | | | | | | |
| 10/31/1995 | 10 | | | | | | | | | | | | | | |
| 11/1/1995 | 7.89999 | | | | | | | | | | | | | | |
| 11/2/1995 | 27 | | | | | | | | | | | | | | |
| 11/3/1995 | 72 | | | | | | | | | | | | | | |
| 11/4/1995 | 38 | | | | | | | | | | | | | | |
| 11/5/1995 | 21 | | | | | | | | | | | | | | |
| 11/6/1995 | 15 | | | | | | | | | | | | | | |
| 11/7/1995 | 56 | | | | | | | | | | | | | | |
| 11/8/1995 | 135 | | | | | | | | | | | | | | |
| 11/9/1995 | 49 | | | | | | | | | | | | | | |
| 11/10/1995 | 28 | | | | | | | | | | | | | | |
| 11/11/1995 | 382 | | | | | | | | | | | | | | |
| 11/12/1995 | 259 | | | | | | | | | | | | | | |
| 11/13/1995 | 83 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/6/1996 | 2000 | | | | | | | | | | | | | | |
| 1/7/1996 | 1380 | | | | | | | | | | | | | | |
| 1/8/1996 | 577 | | | | | | | | | | | | | | |
| 1/9/1996 | 380 | | | | | | | | | | | | | | |
| 1/10/1996 | 315 | | | | | | | | | | | | | | |
| 1/11/1996 | 729 | | | | | | | | | | | | | | |
| 1/12/1996 | 1070 | | | | | | | | | | | | | | |
| 1/13/1996 | 541 | | | | | | | | | | | | | | |
| 1/14/1996 | 376 | | | | | | | | | | | | | | |
| 1/15/1996 | 284 | | | | | | | | | | | | | | |
| 1/16/1996 | 229 | | | | | | | | | | | | | | |
| 1/17/1996 | 203 | | | | | | | | | | | | | | |
| 1/18/1996 | 474 | | | | | | | | | | | | | | |
| 1/19/1996 | 682 | | | | | | | | | | | | | | |
| 1/20/1996 | 409 | | | | | | | | | | | | | | |
| 1/21/1996 | 322 | | | | | | | | | | | | | | |
| 1/22/1996 | 257 | | | | | | | | | | | | | | |
| 1/23/1996 | 226 | | | | | | | | | | | | | | |
| 1/24/1996 | 1710 | | | | | | | | | | | | | | |
| 1/25/1996 | 717 | | | | | | | | | | | | | | |
| 1/26/1996 | 1190 | | | | | | | | | | | | | | |
| 1/27/1996 | 1950 | | | | | | | | | | | | | | |
| 1/28/1996 | 852 | | | | | | | | | | | | | | |
| 1/29/1996 | 489 | | | | | | | | | | | | | | |
| 1/30/1996 | 662 | | | | | | | | | | | | | | |
| 1/31/1996 | 1340 | | | | | | | | | | | | | | |
| 2/1/1996 | 699 | | | | | | | | | | | | | | |
| 2/2/1996 | 1410 | | | | | | | | | | | | | | |
| 2/3/1996 | 700 | | | | | | | | | | | | | | |
| 2/4/1996 | 250 | | | | | | | | | | | | | | |
| 2/5/1996 | 200 | | | | | | | | | | | | | | |
| 2/6/1996 | 350 | | | | | | | | | | | | | | |
| 2/7/1996 | 150 | | | | | | | | | | | | | | |
| 2/8/1996 | 130 | | | | | | | | | | | | | | |
| 2/9/1996 | 100 | | | | | | | | | | | | | | |
| 2/10/1996 | 80 | | | | | | | | | | | | | | |
| 2/11/1996 | 70 | | | | | | | | | | | | | | |
| 2/12/1996 | 65 | | | | | | | | | | | | | | |
| 2/13/1996 | 63 | | | | | | | | | | | | | | |
| 2/14/1996 | 59 | | | | | | | | | | | | | | |
| 2/15/1996 | 53 | | | | | | | | | | | | | | |
| 2/16/1996 | 42 | | | | | | | | | | | | | | |
| 2/17/1996 | 35 | | | | | | | | | | | | | | |
| 2/18/1996 | 35 | | | | | | | | | | | | | | |
| 2/19/1996 | 36 | | | | | | | | | | | | | | |
| 2/20/1996 | 165 | | | | | | | | | | | | | | |
| 2/21/1996 | 96 | | | | | | | | | | | | | | |
| 2/22/1996 | 56 | | | | | | | | | | | | | | |
| 2/23/1996 | 49 | | | | | | | | | | | | | | |
| 2/24/1996 | 35 | | | | | | | | | | | | | | |
| 2/25/1996 | 25 | | | | | | | | | | | | | | |
| 2/26/1996 | 22 | | | | | | | | | | | | | | |
| 2/27/1996 | 24 | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/1996 | 4290 | | | | | | | | | | | | | | |
| 4/22/1996 | 3190 | | | | | | | | | | | | | | |
| 4/23/1996 | 9510 | | | | | | | | | | | | | | |
| 4/24/1996 | 2860 | | | | | | | | | | | | | | |
| 4/25/1996 | 1160 | | | | | | | | | | | | | | |
| 4/26/1996 | 724 | | | | | | | | | | | | | | |
| 4/27/1996 | 542 | | | | | | | | | | | | | | |
| 4/28/1996 | 439 | | | | | | | | | | | | | | |
| 4/29/1996 | 547 | | | | | | | | | | | | | | |
| 4/30/1996 | 694 | | | | | | | | | | | | | | |
| 5/1/1996 | 477 | | | | | | | | | | | | | | |
| 5/2/1996 | 327 | | | | | | | | | | | | | | |
| 5/3/1996 | 226 | | | | | | | | | | | | | | |
| 5/4/1996 | 152 | | | | | | | | | | | | | | |
| 5/5/1996 | 104 | | | | | | | | | | | | | | |
| 5/6/1996 | 76 | | | | | | | | | | | | | | |
| 5/7/1996 | 55 | | | | | | | | | | | | | | |
| 5/8/1996 | 44 | | | | | | | | | | | | | | |
| 5/9/1996 | 31 | | | | | | | | | | | | | | |
| 5/10/1996 | 25 | | | | | | | | | | | | | | |
| 5/11/1996 | 23 | | | | | | | | | | | | | | |
| 5/12/1996 | 26 | | | | | | | | | | | | | | |
| 5/13/1996 | 23 | | | | | | | | | | | | | | |
| 5/14/1996 | 18 | | | | | | | | | | | | | | |
| 5/15/1996 | 16 | | | | | | | | | | | | | | |
| 5/16/1996 | 13 | | | | | | | | | | | | | | |
| 5/17/1996 | 11 | | | | | | | | | | | | | | |
| 5/18/1996 | 9.6 | | | | | | | | | | | | | | |
| 5/19/1996 | 8.29999 | | | | | | | | | | | | | | |
| 5/20/1996 | 7.2 | | | | | | | | | | | | | | |
| 5/21/1996 | 7.2 | | | | | | | | | | | | | | |
| 5/22/1996 | 6.7 | | | | | | | | | | | | | | |
| 5/23/1996 | 6 | | | | | | | | | | | | | | |
| 5/24/1996 | 5 | | | | | | | | | | | | | | |
| 5/25/1996 | 4.1 | | | | | | | | | | | | | | |
| 5/26/1996 | 3.6 | | | | | | | | | | | | | | |
| 5/27/1996 | 3.1 | | | | | | | | | | | | | | |
| 5/28/1996 | 20 | | | | | | | | | | | | | | |
| 5/29/1996 | 33 | | | | | | | | | | | | | | |
| 5/30/1996 | 14 | | | | | | | | | | | | | | |
| 5/31/1996 | 8.1 | | | | | | | | | | | | | | |
| 6/1/1996 | 5.5 | | | | | | | | | | | | | | |
| 6/2/1996 | 193 | | | | | | | | | | | | | | |
| 6/3/1996 | 139 | | | | | | | | | | | | | | |
| 6/4/1996 | 25 | | | | | | | | | | | | | | |
| 6/5/1996 | 12 | | | | | | | | | | | | | | |
| 6/6/1996 | 7.1 | | | | | | | | | | | | | | |
| 6/7/1996 | 5 | | | | | | | | | | | | | | |
| 6/8/1996 | 5.7 | | | | | | | | | | | | | | |
| 6/9/1996 | 26 | | | | | | | | | | | | | | |
| 6/10/1996 | 22 | | | | | | | | | | | | | | |
| 6/11/1996 | 12 | | | | | | | | | | | | | | |
| 6/12/1996 | 1720 | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/5/1996 | 163 | | | | | | | | | | | | | | |
| 8/6/1996 | 73 | | | | | | | | | | | | | | |
| 8/7/1996 | 52 | | | | | | | | | | | | | | |
| 8/8/1996 | 37 | | | | | | | | | | | | | | |
| 8/9/1996 | 823 | | | | | | | | | | | | | | |
| 8/10/1996 | 452 | | | | | | | | | | | | | | |
| 8/11/1996 | 150 | | | | | | | | | | | | | | |
| 8/12/1996 | 682 | | | | | | | | | | | | | | |
| 8/13/1996 | 356 | | | | | | | | | | | | | | |
| 8/14/1996 | 137 | | | | | | | | | | | | | | |
| 8/15/1996 | 70 | | | | | | | | | | | | | | |
| 8/16/1996 | 45 | | | | | | | | | | | | | | |
| 8/17/1996 | 33 | | | | | | | | | | | | | | |
| 8/18/1996 | 29 | | | | | | | | | | | | | | |
| 8/19/1996 | 32 | | | | | | | | | | | | | | |
| 8/20/1996 | 29 | | | | | | | | | | | | | | |
| 8/21/1996 | 23 | | | | | | | | | | | | | | |
| 8/22/1996 | 18 | | | | | | | | | | | | | | |
| 8/23/1996 | 15 | | | | | | | | | | | | | | |
| 8/24/1996 | 13 | | | | | | | | | | | | | | |
| 8/25/1996 | 11 | | | | | | | | | | | | | | |
| 8/26/1996 | 127 | | | | | | | | | | | | | | |
| 8/27/1996 | 96 | | | | | | | | | | | | | | |
| 8/28/1996 | 77 | | | | | | | | | | | | | | |
| 8/29/1996 | 66 | | | | | | | | | | | | | | |
| 8/30/1996 | 166 | | | | | | | | | | | | | | |
| 8/31/1996 | 516 | | | | | | | | | | | | | | |
| 9/1/1996 | 172 | | | | | | | | | | | | | | |
| 9/2/1996 | 164 | | | | | | | | | | | | | | |
| 9/3/1996 | 387 | | | | | | | | | | | | | | |
| 9/4/1996 | 287 | | | | | | | | | | | | | | |
| 9/5/1996 | 121 | | | | | | | | | | | | | | |
| 9/6/1996 | 67 | | | | | | | | | | | | | | |
| 9/7/1996 | 49 | | | | | | | | | | | | | | |
| 9/8/1996 | 38 | | | | | | | | | | | | | | |
| 9/9/1996 | 36 | | | | | | | | | | | | | | |
| 9/10/1996 | 30 | | | | | | | | | | | | | | |
| 9/11/1996 | 25 | | | | | | | | | | | | | | |
| 9/12/1996 | 21 | | | | | | | | | | | | | | |
| 9/13/1996 | 18 | | | | | | | | | | | | | | |
| 9/14/1996 | 15 | | | | | | | | | | | | | | |
| 9/15/1996 | 13 | | | | | | | | | | | | | | |
| 9/16/1996 | 1090 | | | | | | | | | | | | | | |
| 9/17/1996 | 717 | | | | | | | | | | | | | | |
| 9/18/1996 | 266 | | | | | | | | | | | | | | |
| 9/19/1996 | 86 | | | | | | | | | | | | | | |
| 9/20/1996 | 47 | | | | | | | | | | | | | | |
| 9/21/1996 | 915 | | | | | | | | | | | | | | |
| 9/22/1996 | 820 | | | | | | | | | | | | | | |
| 9/23/1996 | 344 | | | | | | | | | | | | | | |
| 9/24/1996 | 101 | | | | | | | | | | | | | | |
| 9/25/1996 | 52 | | | | | | | | | | | | | | |
| 9/26/1996 | 35 | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/19/1996 | 425 | 286 | 335.3 | 86 | 278.8 | 68.04 | | | | | | | | | | |
| 11/20/1996 | 154 | 192.1 | 82.2 | 36 | 164.7 | 16.39 | | | | | | | | | | |
| 11/21/1996 | 89 | 129.1 | 31.16 | 26 | 117.5 | 8.112 | | | | | | | | | | |
| 11/22/1996 | 72 | 92.57 | 18.03 | 22 | 87.07 | 5.096 | | | | | | | | | | |
| 11/23/1996 | 47 | 82.25 | 10.42 | 14 | 76.88 | 2.848 | | | | | | | | | | |
| 11/24/1996 | 32 | 74.18 | 6.51 | 9.8 | 69.33 | 1.835 | | | | | | | | | | |
| 11/25/1996 | 384 | 505 | 793.5 | 98 | 279.4 | 107.2 | | | | | | | | | | |
| 11/26/1996 | 436 | 450.7 | 559.1 | 96 | 140.9 | 38.77 | | | | | | | | | | |
| 11/27/1996 | 149 | 203.3 | 86.81 | 38 | 69.23 | 7.2 | | | | | | | | | | |
| 11/28/1996 | 68 | 104.4 | 19.66 | 21 | 56.59 | 3.172 | | | | | | | | | | |
| 11/29/1996 | 42 | 57.99 | 6.69 | 14 | 48.77 | 1.831 | | | | | | | | | | |
| 11/30/1996 | 3110 | 608.4 | 6760 | 1730 | 1142 | 8550 | | | | | | | | | | |
| 12/1/1996 | 3930 | 733.4 | 8506 | 1040 | 425.8 | 1400 | | | | | | | | | | |
| 12/2/1996 | 1490 | 226.7 | 961.4 | 524 | 88.36 | 129 | | | | | | | | | | |
| 12/3/1996 | 627 | 131.1 | 226.9 | 187 | 65.67 | 33.57 | | | | | | | | | | |
| 12/4/1996 | 351 | 79.77 | 77.32 | 83 | 59.39 | 13.25 | | | | | | | | | | |
| 12/5/1996 | 278 | 64.62 | 50.65 | 67 | 67.11 | 12.8 | | | | | | | | | | |
| 12/6/1996 | 372 | 69.99 | 70.82 | 87 | 102.7 | 24.47 | | | | | | | | | | |
| 12/7/1996 | 602 | 151.8 | 259.7 | 186 | 134.2 | 70.78 | | | | | | | | | | |
| 12/8/1996 | 461 | 119.7 | 153 | 118 | 73.29 | 23.84 | | | | | | | | | | |
| 12/9/1996 | 274 | 69.25 | 51.69 | 66 | 51.2 | 9.3 | | | | | | | | | | |
| 12/10/1996 | 185 | 61.66 | 30.76 | 48 | 47.08 | 6.139 | | | | | | | | | | |
| 12/11/1996 | 145 | 57.66 | 22.54 | 41 | 45.83 | 5.082 | | | | | | | | | | |
| 12/12/1996 | 139 | 82.38 | 32.5 | 41 | 48.71 | 5.353 | | | | | | | | | | |
| 12/13/1996 | 154 | 180.7 | 75.43 | 43 | 51.14 | 5.885 | | | | | | | | | | |
| 12/14/1996 | 114 | 133.8 | 41.34 | 35 | 48.62 | 4.557 | | | | | | | | | | |
| 12/15/1996 | 93 | 97.25 | 24.45 | 29 | 45.53 | 3.604 | | | | | | | | | | |
| 12/16/1996 | 2020 | 472.1 | 5682 | 1130 | 681.1 | 5430 | | | | | | | | | | |
| 12/17/1996 | 6370 | 477.4 | 9324 | 2160 | 660.8 | 5580 | | | | | | | | | | |
| 12/18/1996 | 1830 | 168.3 | 863.4 | 631 | 104 | 189 | | | | | | | | | | |
| 12/19/1996 | 579 | 103.3 | 167.2 | 197 | 66.8 | 37 | | | | | | | | | | |
| 12/20/1996 | 233 | 68.38 | 43.51 | 80 | 51.76 | 11.27 | | | | | | | | | | |
| 12/21/1996 | 124 | 60.06 | 20.22 | 57 | 49.06 | 7.535 | | | | | | | | | | |
| 12/22/1996 | 87 | 54.4 | 12.86 | 48 | 47.4 | 6.109 | | | | | | | | | | |
| 12/23/1996 | 62 | 50.3 | 8.403 | 42 | 47.26 | 5.354 | | | | | | | | | | |
| 12/24/1996 | 301 | 107.5 | 102.4 | 96 | 62.56 | 17.3 | | | | | | | | | | |
| 12/25/1996 | 266 | 106.6 | 78.36 | 86 | 58.43 | 13.72 | | | | | | | | | | |
| 12/26/1996 | 567 | 159.7 | 620.1 | 314 | 211.7 | 582 | | | | | | | | | | |
| 12/27/1996 | 2990 | 382.8 | 3335 | 1410 | 597 | 2573 | | | | | | | | | | |
| 12/28/1996 | 1150 | 134.6 | 436.1 | 453 | 130.2 | 168.4 | | | | | | | | | | |
| 12/29/1996 | 602 | 114.6 | 185.5 | 208 | 92.31 | 52.05 | | | | | | | | | | |
| 12/30/1996 | 505 | 85.39 | 118.1 | 161 | 89.89 | 39.6 | | | | | | | | | | |
| 12/31/1996 | 461 | 67.29 | 83.67 | 141 | 94.43 | 36.05 | | | | | | | | | | |
| 1/1/1997 | 325 | 74.66 | 64.8 | 101 | 83.71 | 22.9 | | | | | | | | | | |
| 1/2/1997 | 212 | 72.76 | 41.41 | 76 | 72.91 | 14.97 | | | | | | | | | | |
| 1/3/1997 | 153 | 84.96 | 35.1 | 63 | 64.72 | 11 | | | | | | | | | | |
| 1/4/1997 | 129 | 75.3 | 26.31 | 59 | 68.6 | 11.08 | | | | | | | | | | |
| 1/5/1997 | 1100 | 321.8 | 1092 | 526 | 619.7 | 1054 | | | | | | | | | | |
| 1/6/1997 | 597 | 125.7 | 207 | 207 | 124.1 | 73 | | | | | | | | | | |
| 1/7/1997 | 1260 | 226.4 | 827.6 | 529 | 330.9 | 496 | | | | | | | | | | |
| 1/8/1997 | 1320 | 243.9 | 1283 | 968 | 750 | 4210 | | | | | | | | | | |
| 1/9/1997 | 2220 | 300.4 | 1973 | 1160 | 662.6 | 2820 | | | | | | | | | | |
| 1/10/1997 | 910 | 115.9 | 297.9 | 372 | 118.1 | 123 | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/5/1997 | 1700 | 330.8 | 1777 | 743 | 626.3 | 1535 | | | | | | | | | | |
| 3/6/1997 | 1680 | 265.7 | 1336 | 688 | 296.6 | 628 | | | | | | | | | | |
| 3/7/1997 | 812 | 114.4 | 255.6 | 306 | 97.93 | 83.55 | | | | | | | | | | |
| 3/8/1997 | 572 | 83 | 128.5 | 170 | 67.85 | 31.42 | | | | | | | | | | |
| 3/9/1997 | 477 | 75.42 | 97.1 | 126 | 55.57 | 19 | | | | | | | | | | |
| 3/10/1997 | 693 | 101.6 | 192.4 | 254 | 236.8 | 168 | | | | | | | | | | |
| 3/11/1997 | 595 | 94.23 | 151.7 | 181 | 110.1 | 55.25 | | | | | | | | | | |
| 3/12/1997 | 436 | 74.36 | 87.7 | 115 | 64.66 | 20.24 | | | | | | | | | | |
| 3/13/1997 | 396 | 65.46 | 70.43 | 105 | 66.87 | 20.13 | | | | | | | | | | |
| 3/14/1997 | 654 | 98.09 | 177.1 | 203 | 132.8 | 75.69 | | | | | | | | | | |
| 3/15/1997 | 548 | 88.5 | 132.7 | 156 | 101.9 | 44.22 | | | | | | | | | | |
| 3/16/1997 | 372 | 69.23 | 69.66 | 96 | 66.34 | 17.17 | | | | | | | | | | |
| 3/17/1997 | 286 | 63.84 | 49.33 | 76 | 58.15 | 11.92 | | | | | | | | | | |
| 3/18/1997 | 280 | 63.97 | 48.88 | 75 | 60.19 | 12.48 | | | | | | | | | | |
| 3/19/1997 | 871 | 164.7 | 402.8 | 333 | 133.7 | 117.3 | | | | | | | | | | |
| 3/20/1997 | 646 | 115 | 205.3 | 204 | 67.59 | 38.08 | | | | | | | | | | |
| 3/21/1997 | 440 | 68.18 | 81.26 | 115 | 48.32 | 14.99 | | | | | | | | | | |
| 3/22/1997 | 316 | 64.46 | 55.01 | 82 | 44.8 | 9.94 | | | | | | | | | | |
| 3/23/1997 | 223 | 63.18 | 37.95 | 64 | 42.28 | 7.316 | | | | | | | | | | |
| 3/24/1997 | 189 | 62.36 | 31.77 | 58 | 40.32 | 6.298 | | | | | | | | | | |
| 3/25/1997 | 153 | 63.65 | 26.32 | 51 | 40.55 | 5.609 | | | | | | | | | | |
| 3/26/1997 | 134 | 64.69 | 23.38 | 48 | 40.75 | 5.312 | | | | | | | | | | |
| 3/27/1997 | 105 | 63.83 | 18.03 | 43 | 39.83 | 4.641 | | | | | | | | | | |
| 3/28/1997 | 105 | 63.38 | 17.98 | 43 | 39.47 | 4.569 | | | | | | | | | | |
| 3/29/1997 | 101 | 64.68 | 17.58 | 42 | 41.28 | 4.675 | | | | | | | | | | |
| 3/30/1997 | 85 | 66.16 | 15.21 | 39 | 43.36 | 4.565 | | | | | | | | | | |
| 3/31/1997 | 69 | 67.09 | 12.48 | 35 | 45.35 | 4.326 | | | | | | | | | | |
| 4/1/1997 | 53 | 58.2 | 8.417 | 31 | 44.34 | 3.682 | | | | | | | | | | |
| 4/2/1997 | 39 | 48.73 | 5.148 | 26 | 42.83 | 3.028 | | | | | | | | | | |
| 4/3/1997 | 30 | 56.04 | 4.517 | 23 | 48.3 | 2.991 | | | | | | | | | | |
| 4/4/1997 | 26 | 93.17 | 6.628 | 21 | 62.39 | 3.608 | | | | | | | | | | |
| 4/5/1997 | 1040 | 857.2 | 3782 | 345 | 265 | 246 | | | | | | | | | | |
| 4/6/1997 | 995 | 328.9 | 1020 | 507 | 241 | 330 | | | | | | | | | | |
| 4/7/1997 | 426 | 99.78 | 117.9 | 77 | 58 | 12 | | | | | | | | | | |
| 4/8/1997 | 188 | 80.59 | 41.13 | 66 | 78 | 14 | | | | | | | | | | |
| 4/9/1997 | 117 | 68.74 | 21.88 | 41 | 65.53 | 7.3 | | | | | | | | | | |
| 4/10/1997 | 72 | 59.53 | 11.62 | 36 | 61.97 | 6.015 | | | | | | | | | | |
| 4/11/1997 | 49 | 54.02 | 7.109 | 30 | 57.38 | 4.625 | | | | | | | | | | |
| 4/12/1997 | 50 | 53 | 7.127 | 30 | 53.3 | 4.347 | | | | | | | | | | |
| 4/13/1997 | 50 | 53 | 7.166 | 30 | 49.55 | 4.053 | | | | | | | | | | |
| 4/14/1997 | 40 | 52.86 | 5.7 | 26 | 46.7 | 3.265 | | | | | | | | | | |
| 4/15/1997 | 30 | 51.92 | 4.2 | 21 | 48.11 | 2.741 | | | | | | | | | | |
| 4/16/1997 | 29 | 50.81 | 4 | 18 | 50.53 | 2.456 | | | | | | | | | | |
| 4/17/1997 | 28 | 49.53 | 3.8 | 16 | 53.74 | 2.296 | | | | | | | | | | |
| 4/18/1997 | 22 | 48.09 | 2.8 | 13 | 56.83 | 2.065 | | | | | | | | | | |
| 4/19/1997 | 23 | 44.23 | 2.7 | 13 | 53.41 | 1.866 | | | | | | | | | | |
| 4/20/1997 | 30 | 39.9 | 3.2 | 11 | 48 | 1.483 | | | | | | | | | | |
| 4/21/1997 | 35 | 36.69 | 3.5 | 12 | 45.49 | 1.421 | | | | | | | | | | |
| 4/22/1997 | 50 | 103.2 | 14 | 28 | 79.48 | 7.6 | | | | | | | | | | |
| 4/23/1997 | 119 | 175.5 | 56 | 51 | 160 | 22.48 | | | | | | | | | | |
| 4/24/1997 | 45 | 95.67 | 12 | 29 | 89.91 | 7.218 | | | | | | | | | | |
| 4/25/1997 | 36 | 62.75 | 6.1 | 19 | 50.28 | 2.629 | | | | | | | | | | |
| 4/26/1997 | 40 | 54.26 | 5.8 | 16 | 39.91 | 1.711 | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/19/1997 | 786 | 92.21 | 195 | 296 | 66.99 | 57 | | | | | | | | | | |
| 6/20/1997 | 371 | 47.35 | 47 | 104 | 228.2 | 54.16 | | | | | | | | | | |
| 6/21/1997 | 2350 | 359.9 | 2280 | 1650 | 1645 | 8085 | | | | | | | | | | |
| 6/22/1997 | 920 | 139.5 | 348 | 399 | 211.1 | 253 | | | | | | | | | | |
| 6/23/1997 | 505 | 91.87 | 125 | 155 | 102.6 | 46.44 | | | | | | | | | | |
| 6/24/1997 | 576 | 140 | 218 | 210 | 254.1 | 155.5 | | | | | | | | | | |
| 6/25/1997 | 317 | 55.93 | 48 | 93 | 96.88 | 25.01 | | | | | | | | | | |
| 6/26/1997 | 213 | 47.37 | 27 | 69 | 56.51 | 10.58 | | | | | | | | | | |
| 6/27/1997 | 218 | 60.04 | 35 | 72 | 53.98 | 11.36 | | | | | | | | | | |
| 6/28/1997 | 555 | 250.6 | 376 | 167 | 74.3 | 36.11 | | | | | | | | | | |
| 6/29/1997 | 864 | 149.2 | 347 | 312 | 278.1 | 249 | | | | | | | | | | |
| 6/30/1997 | 529 | 78.24 | 111 | 155 | 97.76 | 42.77 | | | | | | | | | | |
| 7/1/1997 | 253 | 58.78 | 40 | 70 | 64.97 | 12.53 | | | | | | | | | | |
| 7/2/1997 | 114 | 55.81 | 17 | 44 | 43.21 | 5.17 | | | | | | | | | | |
| 7/3/1997 | 61 | 43.69 | 7.2 | 34 | 32 | 2.902 | | | | | | | | | | |
| 7/4/1997 | 37 | 32.68 | 3.3 | 28 | 32 | 2.409 | | | | | | | | | | |
| 7/5/1997 | 24 | 25.64 | 1.7 | 22 | 31.79 | 1.912 | | | | | | | | | | |
| 7/6/1997 | 20 | 25 | 1.4 | 18 | 30.62 | 1.486 | | | | | | | | | | |
| 7/7/1997 | 116 | 32.34 | 10 | 45 | 49.85 | 6.149 | | | | | | | | | | |
| 7/8/1997 | 166 | 68.64 | 31 | 56 | 64.24 | 12.4 | | | | | | | | | | |
| 7/9/1997 | 270 | 90.47 | 66 | 74 | 77.75 | 15.99 | | | | | | | | | | |
| 7/10/1997 | 353 | 90.58 | 87 | 109 | 286.4 | 200 | | | | | | | | | | |
| 7/11/1997 | 563 | 132.3 | 200 | 218 | 586.9 | 532 | | | | | | | | | | |
| 7/12/1997 | 339 | 90.95 | 83 | 90 | 94.83 | 26 | | | | | | | | | | |
| 7/13/1997 | 506 | 268.9 | 367 | 191 | 257.6 | 369 | | | | | | | | | | |
| 7/14/1997 | 792 | 359.7 | 770 | 272 | 258.7 | 245 | | | | | | | | | | |
| 7/15/1997 | 292 | 133.6 | 106 | 71 | 69.52 | 13.93 | | | | | | | | | | |
| 7/16/1997 | 118 | 53.74 | 17 | 39 | 40.66 | 4.378 | | | | | | | | | | |
| 7/17/1997 | 57 | 40.61 | 6.3 | 28 | 39.52 | 2.923 | | | | | | | | | | |
| 7/18/1997 | 35 | 40.14 | 3.8 | 22 | 45.96 | 2.665 | | | | | | | | | | |
| 7/19/1997 | 29 | 40 | 3.1 | 18 | 45.84 | 2.264 | | | | | | | | | | |
| 7/20/1997 | 24 | 40 | 2.6 | 15 | 43.19 | 1.776 | | | | | | | | | | |
| 7/21/1997 | 20 | 41.02 | 2.2 | 13 | 48.4 | 1.678 | | | | | | | | | | |
| 7/22/1997 | 57 | 83.95 | 13 | 27 | 88.48 | 6.414 | | | | | | | | | | |
| 7/23/1997 | 268 | 164 | 119 | 63 | 241.5 | 42.11 | | | | | | | | | | |
| 7/24/1997 | 100 | 112.5 | 30 | 34 | 159.2 | 14.98 | | | | | | | | | | |
| 7/25/1997 | 42 | 83.15 | 9.4 | 22 | 103.6 | 6.193 | | | | | | | | | | |
| 7/26/1997 | 27 | 70.93 | 5.2 | 15 | 82.01 | 3.424 | | | | | | | | | | |
| 7/27/1997 | 20 | 60.52 | 3.3 | 12 | 67.22 | 2.117 | | | | | | | | | | |
| 7/28/1997 | 16 | 53.46 | 2.3 | 9.4 | 55.09 | 1.395 | | | | | | | | | | |
| 7/29/1997 | 33 | 59.48 | 5.3 | 16 | 76.83 | 4.416 | | | | | | | | | | |
| 7/30/1997 | 454 | 603.8 | 740 | 105 | 235.3 | 67.06 | | | | | | | | | | |
| 7/31/1997 | 166 | 151.1 | 68 | 44 | 108.6 | 13.42 | | | | | | | | | | |
| 8/1/1997 | 50 | 74.63 | 10 | 23 | 75.7 | 4.743 | | | | | | | | | | |
| 8/2/1997 | 30 | 55.88 | 4.5 | 15 | 61.11 | 2.546 | | | | | | | | | | |
| 8/3/1997 | 23 | 46.01 | 2.8 | 11 | 50.02 | 1.553 | | | | | | | | | | |
| 8/4/1997 | 18 | 38 | 1.8 | 9.3 | 41.31 | 1.037 | | | | | | | | | | |
| 8/5/1997 | 15 | 33.77 | 1.4 | 7.9 | 41.1 | 0.878 | | | | | | | | | | |
| 8/6/1997 | 13 | 32.08 | 1.1 | 7 | 44.41 | 0.837 | | | | | | | | | | |
| 8/7/1997 | 12 | 37.23 | 1.2 | 6.7 | 50.73 | 0.915 | | | | | | | | | | |
| 8/8/1997 | 11 | 44.22 | 1.3 | 6.5 | 57.3 | 1.013 | | | | | | | | | | |
| 8/9/1997 | 13 | 49.9 | 1.8 | 6.9 | 55.24 | 1.028 | | | | | | | | | | |
| 8/10/1997 | 14 | 55.73 | 2.1 | 7.4 | 51.47 | 1.029 | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/3/1997 | 5.3 | 44.73 | 0.637 | 5 | 37.3 | 0.51 | | | | | | | | | | |
| 10/4/1997 | 4.8 | 47.25 | 0.615 | 4.5 | 42.49 | 0.51 | | | | | | | | | | |
| 10/5/1997 | 4.5 | 47.58 | 0.581 | 4.3 | 49.2 | 0.566 | | | | | | | | | | |
| 10/6/1997 | 4.3 | 47.91 | 0.559 | 4.1 | 56.81 | 0.622 | | | | | | | | | | |
| 10/7/1997 | 4.2 | 48 | 0.538 | 3.9 | 61.99 | 0.649 | | | | | | | | | | |
| 10/8/1997 | 4 | 47.98 | 0.519 | 3.7 | 65.94 | 0.666 | | | | | | | | | | |
| 10/9/1997 | 3.9 | 47.53 | 0.499 | 3.7 | 66.53 | 0.66 | | | | | | | | | | |
| 10/10/1997 | 3.8 | 47.55 | 0.488 | 3.6 | 66.67 | 0.648 | | | | | | | | | | |
| 10/11/1997 | 3.6 | 50.15 | 0.492 | 3.5 | 70.09 | 0.654 | | | | | | | | | | |
| 10/12/1997 | 3.5 | 53.2 | 0.501 | 3.3 | 74.11 | 0.664 | | | | | | | | | | |
| 10/13/1997 | 3.7 | 56.75 | 0.57 | 3.6 | 93.05 | 0.941 | | | | | | | | | | |
| 10/14/1997 | 12 | 86.04 | 2.809 | 17 | 151.6 | 6.388 | | | | | | | | | | |
| 10/15/1997 | 9.5 | 85.59 | 2.198 | 12 | 92.62 | 2.914 | | | | | | | | | | |
| 10/16/1997 | 6.9 | 82.79 | 1.533 | 7 | 75.74 | 1.444 | | | | | | | | | | |
| 10/17/1997 | 5.5 | 79.67 | 1.19 | 5.3 | 68.18 | 0.981 | | | | | | | | | | |
| 10/18/1997 | 4.8 | 80.96 | 1.057 | 4.5 | 69.6 | 0.853 | | | | | | | | | | |
| 10/19/1997 | 4.4 | 82.84 | 0.987 | 4.1 | 72.07 | 0.802 | | | | | | | | | | |
| 10/20/1997 | 4.2 | 84.3 | 0.947 | 3.9 | 73.79 | 0.769 | | | | | | | | | | |
| 10/21/1997 | 4 | 81.11 | 0.868 | 3.7 | 66.45 | 0.667 | | | | | | | | | | |
| 10/22/1997 | 3.9 | 77.29 | 0.811 | 3.7 | 58.04 | 0.574 | | | | | | | | | | |
| 10/23/1997 | 3.8 | 75.75 | 0.7710001 | 3.6 | 52.46 | 0.51 | | | | | | | | | | |
| 10/24/1997 | 104 | 270.9 | 99.94 | 113 | 616.6 | 253 | | | | | | | | | | |
| 10/25/1997 | 130 | 280.5 | 140 | 189 | 866 | 1620 | | | | | | | | | | |
| 10/26/1997 | 612 | 459.6 | 912 | 512 | 661 | 1330 | | | | | | | | | | |
| 10/27/1997 | 66 | 162.1 | 31 | 67 | 134.8 | 25.52 | | | | | | | | | | |
| 10/28/1997 | 19 | 118.3 | 6.148 | 27 | 98.2 | 7.366 | | | | | | | | | | |
| 10/29/1997 | 12 | 90.75 | 2.955 | 17 | 75.97 | 3.429 | | | | | | | | | | |
| 10/30/1997 | 9.6 | 81.31 | 2.113 | 12 | 63.86 | 2.074 | | | | | | | | | | |
| 10/31/1997 | 9.2 | 82.26 | 2.1 | 12 | 58.61 | 1.9 | | | | | | | | | | |
| 11/1/1997 | 31 | 226 | 24.42 | 40 | 167.8 | 21.41 | | | | | | | | | | |
| 11/2/1997 | 42 | 319.9 | 38 | 49 | 157.2 | 21.21 | | | | | | | | | | |
| 11/3/1997 | 19 | 177.4 | 9.425 | 28 | 90.04 | 6.959 | | | | | | | | | | |
| 11/4/1997 | 13 | 134.1 | 4.817 | 19 | 70.29 | 3.605 | | | | | | | | | | |
| 11/5/1997 | 11 | 117.1 | 3.453 | 15 | 59.55 | 2.358 | | | | | | | | | | |
| 11/6/1997 | 15 | 99.71 | 4.024 | 23 | 92.56 | 6.166 | | | | | | | | | | |
| 11/7/1997 | 18 | 93.8 | 4.538 | 27 | 115.4 | 8.558 | | | | | | | | | | |
| 11/8/1997 | 15 | 107.5 | 4.321 | 22 | 84.41 | 5.028 | | | | | | | | | | |
| 11/9/1997 | 13 | 127.6 | 4.38 | 18 | 70.98 | 3.476 | | | | | | | | | | |
| 11/10/1997 | 11 | 134.2 | 4.046 | 15 | 61.72 | 2.496 | | | | | | | | | | |
| 11/11/1997 | 10 | 104.6 | 2.908 | 14 | 58.85 | 2.2 | | | | | | | | | | |
| 11/12/1997 | 9.8 | 84.76 | 2.243 | 13 | 55.74 | 1.902 | | | | | | | | | | |
| 11/13/1997 | 10 | 80.01 | 2.16 | 13 | 51.23 | 1.821 | | | | | | | | | | |
| 11/14/1997 | 11 | 76.31 | 2.28 | 15 | 55.87 | 2.3 | | | | | | | | | | |
| 11/15/1997 | 11 | 73.17 | 2.224 | 15 | 67.66 | 2.798 | | | | | | | | | | |
| 11/16/1997 | 10 | 70.18 | 1.954 | 13 | 63.24 | 2.301 | | | | | | | | | | |
| 11/17/1997 | 9.5 | 66.48 | 1.705 | 12 | 60.42 | 1.905 | | | | | | | | | | |
| 11/18/1997 | 9.1 | 61 | 1.498 | 11 | 61.23 | 1.76 | | | | | | | | | | |
| 11/19/1997 | 8.8 | 58.4 | 1.394 | 10 | 61.7 | 1.671 | | | | | | | | | | |
| 11/20/1997 | 8.6 | 62.79 | 1.466 | 9.6 | 60.8 | 1.573 | | | | | | | | | | |
| 11/21/1997 | 8.8 | 65.99 | 1.56 | 10 | 60.06 | 1.628 | | | | | | | | | | |
| 11/22/1997 | 9.6 | 63.27 | 1.642 | 12 | 60 | 1.983 | | | | | | | | | | |
| 11/23/1997 | 9.5 | 60.25 | 1.546 | 12 | 60 | 1.914 | | | | | | | | | | |
| 11/24/1997 | 9.1 | 58.63 | 1.441 | 11 | 60.27 | 1.743 | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/17/1998 | 402 | | | | | | | | | | | | | | |
| 1/18/1998 | 209 | | | | | | | | | | | | | | |
| 1/19/1998 | 436 | | | | | | | | | | | | | | |
| 1/20/1998 | 177 | | | | | | | | | | | | | | |
| 1/21/1998 | 97 | | | | | | | | | | | | | | |
| 1/22/1998 | 768 | | | | | | | | | | | | | | |
| 1/23/1998 | 692 | | | | | | | | | | | | | | |
| 1/24/1998 | 203 | | | | | | | | | | | | | | |
| 1/25/1998 | 99 | | | | | | | | | | | | | | |
| 1/26/1998 | 66 | | | | | | | | | | | | | | |
| 1/27/1998 | 113 | | | | | | | | | | | | | | |
| 1/28/1998 | 86 | | | | | | | | | | | | | | |
| 1/29/1998 | 61 | | | | | | | | | | | | | | |
| 1/30/1998 | 47 | | | | | | | | | | | | | | |
| 1/31/1998 | 38 | | | | | | | | | | | | | | |
| 2/1/1998 | 34 | | | | | | | | | | | | | | |
| 2/2/1998 | 33 | | | | | | | | | | | | | | |
| 2/3/1998 | 39 | | | | | | | | | | | | | | |
| 2/4/1998 | 36 | | | | | | | | | | | | | | |
| 2/5/1998 | 32 | | | | | | | | | | | | | | |
| 2/6/1998 | 27 | | | | | | | | | | | | | | |
| 2/7/1998 | 22 | | | | | | | | | | | | | | |
| 2/8/1998 | 21 | | | | | | | | | | | | | | |
| 2/9/1998 | 23 | | | | | | | | | | | | | | |
| 2/10/1998 | 23 | | | | | | | | | | | | | | |
| 2/11/1998 | 2920 | | | | | | | | | | | | | | |
| 2/12/1998 | 1050 | | | | | | | | | | | | | | |
| 2/13/1998 | 229 | | | | | | | | | | | | | | |
| 2/14/1998 | 111 | | | | | | | | | | | | | | |
| 2/15/1998 | 78 | | | | | | | | | | | | | | |
| 2/16/1998 | 2590 | | | | | | | | | | | | | | |
| 2/17/1998 | 3980 | | | | | | | | | | | | | | |
| 2/18/1998 | 2030 | | | | | | | | | | | | | | |
| 2/19/1998 | 696 | | | | | | | | | | | | | | |
| 2/20/1998 | 244 | | | | | | | | | | | | | | |
| 2/21/1998 | 137 | | | | | | | | | | | | | | |
| 2/22/1998 | 682 | | | | | | | | | | | | | | |
| 2/23/1998 | 1830 | | | | | | | | | | | | | | |
| 2/24/1998 | 545 | | | | | | | | | | | | | | |
| 2/25/1998 | 219 | | | | | | | | | | | | | | |
| 2/26/1998 | 281 | | | | | | | | | | | | | | |
| 2/27/1998 | 447 | | | | | | | | | | | | | | |
| 2/28/1998 | 205 | | | | | | | | | | | | | | |
| 3/1/1998 | 118 | | | | | | | | | | | | | | |
| 3/2/1998 | 86 | | | | | | | | | | | | | | |
| 3/3/1998 | 69 | | | | | | | | | | | | | | |
| 3/4/1998 | 60 | | | | | | | | | | | | | | |
| 3/5/1998 | 4810 | | | | | | | | | | | | | | |
| 3/6/1998 | 5220 | | | | | | | | | | | | | | |
| 3/7/1998 | 3570 | | | | | | | | | | | | | | |
| 3/8/1998 | 5920 | | | | | | | | | | | | | | |
| 3/9/1998 | 2120 | | | | | | | | | | | | | | |
| 3/10/1998 | 726 | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/3/1998 | 166 | | | | | | | | | | | | | | | |
| 5/4/1998 | 100 | | | | | | | | | | | | | | | |
| 5/5/1998 | 58 | | | | | | 49 | 78 | 10 | | | | | | | |
| 5/6/1998 | 38 | | | | | | 38 | 77 | 7.9 | | | | | | | |
| 5/7/1998 | 30 | | | | | | 27 | 75 | 5.5 | | | | | | | |
| 5/8/1998 | 33 | | | | | | 29 | 73 | 5.7 | | | | | | | |
| 5/9/1998 | 25 | | | | | | 22 | 71 | 4.2 | | | | | | | |
| 5/10/1998 | 19 | | | | | | 17 | 70 | 3.2 | | | | | | | |
| 5/11/1998 | 16 | | | | | | 14 | 68 | 2.6 | | | | | | | |
| 5/12/1998 | 14 | | | | | | 12 | 66 | 2.1 | | | | | | | |
| 5/13/1998 | 12 | | | | | | 10 | 65 | 1.8 | | | | | | | |
| 5/14/1998 | 10 | | | | | | 9 | 63 | 1.5 | | | | | | | |
| 5/15/1998 | 9.4 | | | | | | 8 | 62 | 1.3 | | | | | | | |
| 5/16/1998 | 9.1 | | | | | | 7 | 60 | 1.1 | | | | | | | |
| 5/17/1998 | 8.4 | | | | | | 6.2 | 59 | 1 | | | | | | | |
| 5/18/1998 | 7.5 | | | | | | 5.8 | 57 | 0.89 | | | | | | | |
| 5/19/1998 | 6.9 | | | | | | 5.2 | 59 | 0.83 | | | | | | | |
| 5/20/1998 | 6.6 | | | | | | 4.8 | 63 | 0.82 | 0.52 | | | | | | |
| 5/21/1998 | 6.2 | | | | | | 4.2 | 66 | 0.71 | 0.45 | | | | | | |
| 5/22/1998 | 5.8 | | | | | | 4 | 71.17 | 0.76 | 0.4 | | | | | | |
| 5/23/1998 | 5.4 | | | | | | 3.6 | 72.99 | 0.712 | 0.36 | | | | | | |
| 5/24/1998 | 5.1 | | | | | | 3.2 | 75.64 | 0.646 | 0.32 | | | | | | |
| 5/25/1998 | 4.9 | | | | | | 2.8 | 78.27 | 0.595 | 0.29 | | | | | | |
| 5/26/1998 | 4.7 | | | | | | 2.6 | 79 | 0.551 | 0.26 | | | | | | |
| 5/27/1998 | 4.5 | | | | | | 2.4 | 79.02 | 0.51 | 0.24 | | | | | | |
| 5/28/1998 | 58 | | | | | | 51 | 123.1 | 60.18 | 1 | | | | | | |
| 5/29/1998 | 3950 | | | | | | 3120 | 1207 | 9550 | 1750 | | | | | | |
| 5/30/1998 | 1940 | | | | | | 998 | 243.5 | 762.8 | 400 | | | | | | |
| 5/31/1998 | 311 | | | | | | 167 | 137.3 | 63.87 | 90 | | | | | | |
| 6/1/1998 | 83 | | | | | | 69 | 97.03 | 18.12 | 28 | | | | | | |
| 6/2/1998 | 33 | | | | | | 37 | 86.47 | 8.744 | 19 | | | | | | |
| 6/3/1998 | 20 | | | | | | 26 | 80.93 | 5.638 | 14 | | | | | | |
| 6/4/1998 | 16 | | | | | | 21 | 80 | 4.44 | 9.5 | | | | | | |
| 6/5/1998 | 786 | | | | | | 567 | 1121 | 4681 | 60 | | | | | | |
| 6/6/1998 | 784 | | | | | | 406 | 713.7 | 1031 | 265 | | | | | | |
| 6/7/1998 | 132 | | | | | | 95 | 214 | 57.54 | 62 | | | | | | |
| 6/8/1998 | 42 | | | | | | 44 | 132.6 | 16.04 | 27 | | | | | | |
| 6/9/1998 | 23 | | | | | | 29 | 108.8 | 8.618 | 16 | | | | | | |
| 6/10/1998 | 17 | | | | | | 22 | 97.48 | 5.888 | 10 | | | | | | |
| 6/11/1998 | 13 | | | | | | 17 | 87.32 | 4.064 | 7.7 | | | | | | |
| 6/12/1998 | 11 | | | | | | 14 | 78.3 | 2.901 | 3.6 | | | | | | |
| 6/13/1998 | 9.8 | | | | | | 11 | 72.29 | 2.225 | 4.5 | | | | | | |
| 6/14/1998 | 9.1 | | | | | | 9.7 | 67.57 | 1.777 | 2.4 | | | | | | |
| 6/15/1998 | 9.2 | | | | | | 10 | 101.4 | 3.197 | 16 | | | | | | |
| 6/16/1998 | 14 | | | | | | 19 | 832 | 42.73 | 17 | | | | | | |
| 6/17/1998 | 11 | | | | | | 13 | 540.7 | 18.7 | 5.3 | | | | | | |
| 6/18/1998 | 8.7 | | | | | | 8.9 | 323.3 | 7.801001 | 2.9 | | | | | | |
| 6/19/1998 | 8 | | | | | | 7.6 | 196.3 | 4.057 | 1.4 | | | | | | |
| 6/20/1998 | 7.1 | | | | | | 6.2 | 147.7 | 2.487 | 0.87 | | | | | | |
| 6/21/1998 | 6.3 | | | | | | 4.9 | 126.1 | 1.665 | 0.56 | | | | | | |
| 6/22/1998 | 5.7 | | | | | | 3.9 | 108.1 | 1.133 | 0.4 | | | | | | |
| 6/23/1998 | 5.2 | | | | | | 3.1 | 104.4 | 0.879 | 0.38 | | | | | | |
| 6/24/1998 | 4.8 | | | | | | 2.6 | 106.3 | 0.75 | 0.15 | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/17/1998 | 126 | | | | | | 76 | 101.7 | 21.88 | 54 | | | | | | |
| 8/18/1998 | 38 | | | | | | 31 | 78.27 | 6.603 | 18 | | | | | | |
| 8/19/1998 | 19 | | | | | | 18 | 70.06 | 3.409 | 9.5 | | | | | | |
| 8/20/1998 | 14 | | | | | | 12 | 63.39 | 2.125 | 5.8 | | | | | | |
| 8/21/1998 | 11 | | | | | | 9 | 57.73 | 1.409 | 4.1 | | | | | | |
| 8/22/1998 | 9.6 | | | | | | 6.6 | 55.76 | 0.993 | 2.1 | | | | | | |
| 8/23/1998 | 8.5 | | | | | | 5.1 | 55.43 | 0.7620001 | 1.3 | | | | | | |
| 8/24/1998 | 7.8 | | | | | | 4.1 | 55.12 | 0.612 | 0.83 | | | | | | |
| 8/25/1998 | 7.2 | | | | | | 3.4 | 55.71 | 0.515 | 0.69 | | | | | | |
| 8/26/1998 | 6.9 | | | | | | 3 | 56.69 | 0.454 | 0.56 | | | | | | |
| 8/27/1998 | 6.5 | | | | | | 2.5 | 57 | 0.386 | 0.41 | | | | | | |
| 8/28/1998 | 6.1 | | | | | | 2 | 57.01 | 0.312 | 0.27 | | | | | | |
| 8/29/1998 | 5.8 | | | | | | 1.7 | 57.23 | 0.259 | 0.3 | | | | | | |
| 8/30/1998 | 5.5 | | | | | | 1.4 | 57.57 | 0.222 | 0.18 | | | | | | |
| 8/31/1998 | 5.5 | | | | | | 1.2 | 57.81 | 0.19 | 0.14 | | | | | | |
| 9/1/1998 | 5.5 | | | | | | 1.1 | 57 | 0.17 | 0.08 | | | | | | |
| 9/2/1998 | 5.6 | | | | | | 1.1 | 55 | 0.16 | 0.08 | | | | | | |
| 9/3/1998 | 5.7 | | | | | | 1 | 55 | 0.15 | 0.06 | | | | | | |
| 9/4/1998 | 5.4 | | | | | | 1 | 58.02 | 0.15 | 0.03 | | | | | | |
| 9/5/1998 | 5.2 | | | | | | 0.94 | 62.34 | 0.157 | 0.04 | | | | | | |
| 9/6/1998 | 4.9 | | | | | | 0.83 | 65.7 | 0.147 | 0.04 | | | | | | |
| 9/7/1998 | 4.7 | | | | | | 0.77 | 69.37 | 0.143 | 0.03 | | | | | | |
| 9/8/1998 | 4.5 | | | | | | 0.68 | 73.82 | 0.135 | 0.03 | | | | | | |
| 9/9/1998 | 4.2 | | | | | | 0.57 | 78.63 | 0.121 | 0.02 | | | | | | |
| 9/10/1998 | 4.1 | | | | | | 0.53 | 83.84 | 0.12 | 0.01 | | | | | | |
| 9/11/1998 | 4 | | | | | | 0.53 | 89.17 | 0.127 | 0.01 | | | | | | |
| 9/12/1998 | 3.9 | | | | | | 0.56 | 88.17 | 0.133 | 0.02 | | | | | | |
| 9/13/1998 | 4 | | | | | | 0.59 | 84.41 | 0.134 | 0.02 | | | | | | |
| 9/14/1998 | 4 | | | | | | 0.58 | 80.67 | 0.127 | 0.03 | | | | | | |
| 9/15/1998 | 3.9 | | | | | | 0.58 | 74.39 | 0.116 | 0.05 | | | | | | |
| 9/16/1998 | 3.8 | | | | | | 0.57 | 67.84 | 0.104 | 0.57 | | | | | | |
| 9/17/1998 | 3.8 | | | | | | 0.55 | 66.29 | 0.098 | 0.36 | | | | | | |
| 9/18/1998 | 3.7 | | | | | | 0.52 | 66.68 | 0.093 | 0.13 | | | | | | |
| 9/19/1998 | 3.6 | | | | | | 0.48 | 67.27 | 0.088 | 0.09 | | | | | | |
| 9/20/1998 | 3.4 | | | | | | 0.45 | 68.43 | 0.083 | 0.18 | | | | | | |
| 9/21/1998 | 3.4 | | | | | | 0.48 | 69.56 | 0.09 | 0.31 | | | | | | |
| 9/22/1998 | 3.4 | | | | | | 0.51 | 68.14 | 0.094 | 0.18 | | | | | | |
| 9/23/1998 | 3.4 | | | | | | 0.5 | 65.67 | 0.089 | 0.14 | | | | | | |
| 9/24/1998 | 3.2 | | | | | | 0.46 | 63.88 | 0.079 | 0.17 | | | | | | |
| 9/25/1998 | 3.1 | | | | | | 0.42 | 62.59 | 0.07 | 0.13 | | | | | | |
| 9/26/1998 | 3 | | | | | | 0.39 | 66.24 | 0.069 | 0.09 | | | | | | |
| 9/27/1998 | 3 | | | | | | 0.37 | 72.46 | 0.073 | 0.17 | | | | | | |
| 9/28/1998 | 3.1 | | | | | | 0.46 | 78.95 | 0.098 | 0.12 | | | | | | |
| 9/29/1998 | 3.3 | | | | | | 0.62 | 79.11 | 0.132 | 0.08 | | | | | | |
| 9/30/1998 | 3.3 | | | | | | 0.65 | 76.61 | 0.135 | 0.06 | | | | | | |
| 10/1/1998 | | | | | | | 0.63 | 78 | 0.13 | 0.036 | | | 1.34 | | | |
| 10/2/1998 | | | | | | | 0.52 | 84 | 0.12 | 0.027 | | | 1.39 | | | |
| 10/3/1998 | | | | | | | 111 | 457 | 137 | 167 | | | 351.11 | | | |
| 10/4/1998 | | | | | | | 34 | 262 | 24 | 28 | | | 9.52 | | | |
| 10/5/1998 | | | | | | | 9.1 | 143 | 3.7 | 6.5 | | | 3.79 | | | |
| 10/6/1998 | | | | | | | 3.9 | 106 | 1.1 | 1.6 | | | 2.91 | | | |
| 10/7/1998 | | | | | | | 2.8 | 86 | 0.65 | 0.95 | | | 2.84 | | | |
| 10/8/1998 | | | | | | | 2.1 | 72 | 0.41 | 0.42 | | | 2.71 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/1/1998 | | | | | | | 3.2 | 39 | 0.34 | 2.1 | | | 2.63 | | | |
| 12/2/1998 | | | | | | | 2.9 | 38 | 0.3 | 1.7 | | | 2.46 | | | |
| 12/3/1998 | | | | | | | 2.8 | 37 | 0.28 | 1.5 | | | 2.80 | | | |
| 12/4/1998 | | | | | | | 2.7 | 36 | 0.26 | 1.4 | | | 2.83 | | | |
| 12/5/1998 | | | | | | | 2.6 | 36 | 0.25 | 1.3 | | | 2.86 | | | |
| 12/6/1998 | | | | | | | 2.6 | 35 | 0.25 | 1.2 | | | 2.98 | | | |
| 12/7/1998 | | | | | | | 7.5 | 94 | 2.6 | 1.1 | | | 6.95 | | | |
| 12/8/1998 | | | | | | | 25 | 140 | 9.9 | 18 | | | 24.18 | | | |
| 12/9/1998 | | | | | | | 35 | 91 | 8.9 | 32 | | | 13.59 | | | |
| 12/10/1998 | | | | | | | 26 | 88 | 6.8 | 20 | | | 26.16 | | | |
| 12/11/1998 | | | | | | | 152 | 267 | 112 | 110 | | | 118.03 | | | |
| 12/12/1998 | | | | | | | 4230 | 847 | 10900 | 2550 | | | 1798.57 | | | |
| 12/13/1998 | | | | | | | 2560 | 356 | 2420 | 1600 | | | 166.40 | | | |
| 12/14/1998 | | | | | | | 618 | 245 | 474 | 450 | | | 77.54 | | | |
| 12/15/1998 | | | | | | | 131 | 93 | 34 | 81 | | | 48.49 | | | |
| 12/16/1998 | | | | | | | 60 | 63 | 10 | 46 | | | 37.57 | | | |
| 12/17/1998 | | | | | | | 39 | 57 | 5.9 | 28 | | | 30.24 | | | |
| 12/18/1998 | | | | | | | 28 | 52 | 3.9 | 19 | | | 25.36 | | | |
| 12/19/1998 | | | | | | | 30 | 64 | 5.3 | 22 | | | 29.66 | | | |
| 12/20/1998 | | | | | | | 34 | 65 | 6 | 25 | | | 25.30 | | | |
| 12/21/1998 | | | | | | | 28 | 57 | 4.2 | 21 | | | 20.57 | | | |
| 12/22/1998 | | | | | | | 572 | 430 | 793 | 425 | | | 248.88 | | | |
| 12/23/1998 | | | | | | | 447 | 162 | 312 | 361 | | | 232.00 | | | |
| 12/24/1998 | | | | | | | 2800 | 713 | 6380 | 1630 | | | 606.00 | | | |
| 12/25/1998 | | | | | | | 787 | 155 | 353 | 510 | | | 105.27 | | | |
| 12/26/1998 | | | | | | | 262 | 84 | 60 | 167 | | | 74.86 | | | |
| 12/27/1998 | | | | | | | 167 | 88 | 40 | 157 | | | 91.50 | | | |
| 12/28/1998 | | | | | | | 3000 | 746 | 7590 | 1710 | | | 771.08 | | | |
| 12/29/1998 | | | | | | | 1130 | 206 | 628 | 732 | | | 134.49 | | | |
| 12/30/1998 | | | | | | | 361 | 106 | 112 | 172 | | | 74.16 | | | |
| 12/31/1998 | | | | | | | 145 | 67 | 26 | 87 | | | 54.05 | | | |
| 1/1/1999 | | | | | | | 91 | 83 | 24 | 57 | | | 44.68 | | | |
| 1/2/1999 | | | | | | | 1540 | 512 | 2520 | 900 | | | 443.99 | | | |
| 1/3/1999 | | | | | | | 1090 | 188 | 616 | 694 | | | 148.06 | | | |
| 1/4/1999 | | | | | | | 345 | 78 | 76 | 176 | | | 71.36 | | | |
| 1/5/1999 | | | | | | | 137 | 51 | 19 | 69 | | | 50.00 | | | |
| 1/6/1999 | | | | | | | 92 | 41 | 10 | 48 | | | 47.00 | | | |
| 1/7/1999 | | | | | | | 81 | 40 | 8.7 | 48 | | | 44.00 | | | |
| 1/8/1999 | | | | | | | 667 | 634 | 1800 | 463 | | | 186.00 | | | |
| 1/9/1999 | | | | | | | 3090 | 914 | 8990 | 1720 | | | 773.00 | | | |
| 1/10/1999 | | | | | | | 955 | 176 | 477 | 627 | | | 150.00 | | | |
| 1/11/1999 | | | | | | | 362 | 91 | 92 | 167 | | | 83.00 | | | |
| 1/12/1999 | | | | | | | 192 | 64 | 33 | 97 | | | 64.00 | | | |
| 1/13/1999 | | | | | | | 126 | 48 | 16 | 61 | | | 50.00 | | | |
| 1/14/1999 | | | | | | | 140 | 172 | 68 | 106 | | | 40.91 | | | |
| 1/15/1999 | | | | | | | 120 | 91 | 30 | 94 | | | 34.52 | | | |
| 1/16/1999 | | | | | | | 86 | 62 | 15 | 52 | | | 31.21 | | | |
| 1/17/1999 | | | | | | | 71 | 55 | 10 | 37 | | | 28.48 | | | |
| 1/18/1999 | | | | | | | 104 | 105 | 30 | 68 | | | 30.82 | | | |
| 1/19/1999 | | | | | | | 89 | 72 | 17 | 61 | | | 25.35 | | | |
| 1/20/1999 | | | | | | | 70 | 60 | 11 | 38 | | | 23.95 | | | |
| 1/21/1999 | | | | | | | 61 | 59 | 9.7 | 29 | | | 21.17 | | | |
| 1/22/1999 | | | | | | | 3680 | 933 | 19100 | 2410 | | | 1493.89 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/17/1999 | | | | | | | 137 | 52 | 19 | 64 | | | 59.58 | | |
| 3/18/1999 | | | | | | | 94 | 47 | 12 | 39 | | | 45.92 | | |
| 3/19/1999 | | | | | | | 71 | 45 | 8.7 | 27 | | | 36.54 | | |
| 3/20/1999 | | | | | | | 64 | 53 | 9.4 | 23 | | | 35.96 | | |
| 3/21/1999 | | | | | | | 78 | 66 | 14 | 32 | | | 34.66 | | |
| 3/22/1999 | | | | | | | 61 | 47 | 7.7 | 25 | | | 26.77 | | |
| 3/23/1999 | | | | | | | 50 | 41 | 5.6 | 18 | | | 23.45 | | |
| 3/24/1999 | | | | | | | 57 | 47 | 7.6 | 35 | | | 27.98 | | |
| 3/25/1999 | | | | | | | 78 | 62 | 13 | 49 | | | 39.24 | | |
| 3/26/1999 | | | | | | | 66 | 52 | 9.3 | 34 | | | 27.80 | | |
| 3/27/1999 | | | | | | | 47 | 49 | 6.2 | 21 | | | 20.73 | | |
| 3/28/1999 | | | | | | | 38 | 46 | 4.8 | 15 | | | 17.81 | | |
| 3/29/1999 | | | | | | | 39 | 44 | 4.7 | 16 | | | 16.78 | | |
| 3/30/1999 | | | | | | | 45 | 44 | 5.4 | 23 | | | 16.27 | | |
| 3/31/1999 | | | | | | | 49 | 45 | 5.9 | 35 | | | 21.84 | | |
| 4/1/1999 | | | | | | | 52 | 44 | 6.1 | 28 | | | 18.56 | | |
| 4/2/1999 | | | | | | | 42 | 42 | 4.8 | 23 | | | 15.63 | | |
| 4/3/1999 | | | | | | | 36 | 46 | 4.5 | 18 | | | 14.79 | | |
| 4/4/1999 | | | | | | | 987 | 593 | 1840 | 699 | | | 144.83 | | |
| 4/5/1999 | | | | | | | 405 | 118 | 142 | 322 | | | 53.21 | | |
| 4/6/1999 | | | | | | | 4180 | 962 | 14100 | 2090 | | | 617.08 | | |
| 4/7/1999 | | | | | | | 1010 | 213 | 655 | 577 | | | 89.25 | | |
| 4/8/1999 | | | | | | | 247 | 62 | 41 | 111 | | | 53.75 | | |
| 4/9/1999 | | | | | | | 122 | 57 | 19 | 49 | | | 37.92 | | |
| 4/10/1999 | | | | | | | 74 | 53 | 11 | 28 | | | 28.42 | | |
| 4/11/1999 | | | | | | | 51 | 49 | 6.8 | 18 | | | 20.00 | | |
| 4/12/1999 | | | | | | | 35 | 46 | 4.3 | 12 | | | 14.74 | | |
| 4/13/1999 | | | | | | | 27 | 49 | 3.6 | 10 | | | 12.91 | | |
| 4/14/1999 | | | | | | | 24 | 63 | 4.7 | 17 | | | 48.57 | | |
| 4/15/1999 | | | | | | | 1180 | 714 | 2820 | 884 | | | 523.20 | | |
| 4/16/1999 | | | | | | | 304 | 109 | 100 | 206 | | | 68.43 | | |
| 4/17/1999 | | | | | | | 102 | 68 | 19 | 52 | | | 38.97 | | |
| 4/18/1999 | | | | | | | 53 | 56 | 8 | 25 | | | 26.68 | | |
| 4/19/1999 | | | | | | | 36 | 47 | 4.5 | 15 | | | 20.43 | | |
| 4/20/1999 | | | | | | | 28 | 44 | 3.3 | 11 | | | 15.92 | | |
| 4/21/1999 | | | | | | | 22 | 45 | 2.7 | 8.1 | | | 13.22 | | |
| 4/22/1999 | | | | | | | 18 | 44 | 2.2 | 6.2 | | | 11.22 | | |
| 4/23/1999 | | | | | | | 15 | 43 | 1.7 | 4.9 | | | 9.88 | | |
| 4/24/1999 | | | | | | | 92 | 121 | 160 | 164 | | | 160.12 | | |
| 4/25/1999 | | | | | | | 1340 | 782 | 3110 | 1030 | | | 131.76 | | |
| 4/26/1999 | | | | | | | 1130 | 335 | 1090 | 738 | | | 46.58 | | |
| 4/27/1999 | | | | | | | 781 | 322 | 722 | 481 | | | 40.20 | | |
| 4/28/1999 | | | | | | | 213 | 150 | 91 | 137 | | | 22.05 | | |
| 4/29/1999 | | | | | | | 77 | 90 | 19 | 40 | | | 14.40 | | |
| 4/30/1999 | | | | | | | 44 | 57 | 6.9 | 21 | | | 11.93 | | |
| 5/1/1999 | | | | | | | 30 | 49 | 4 | 15 | | | 9.44 | | |
| 5/2/1999 | | | | | | | 23 | 44 | 2.7 | 9.6 | | | 7.52 | | |
| 5/3/1999 | | | | | | | 17 | 40 | 1.9 | 6.3 | | | 6.59 | | |
| 5/4/1999 | | | | | | | 15 | 38 | 1.5 | 4.7 | | | 6.93 | | |
| 5/5/1999 | | | | | | | 33 | 60 | 22 | 69 | | | 180.75 | | |
| 5/6/1999 | | | | | | | 1470 | 664 | 3100 | 1050 | | | 863.30 | | |
| 5/7/1999 | | | | | | | 410 | 127 | 155 | 215 | | | 86.17 | | |
| 5/8/1999 | | | | | | | 112 | 81 | 25 | 41 | | | 45.56 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1/1999 | | | | | | | 623 | 202 | 376 | 489 | | | 29.40 | | |
| 7/2/1999 | | | | | | | 120 | 109 | 37 | 63 | | | 21.66 | | |
| 7/3/1999 | | | | | | | 54 | 76 | 11 | 30 | | | 16.90 | | |
| 7/4/1999 | | | | | | | 32 | 59 | 5.2 | 22 | | | 14.02 | | |
| 7/5/1999 | | | | | | | 23 | 46 | 2.9 | 19 | | | 10.98 | | |
| 7/6/1999 | | | | | | | 18 | 39 | 1.8 | 18 | | | 9.16 | | |
| 7/7/1999 | | | | | | | 14 | 33 | 1.3 | 17 | | | 32.61 | | |
| 7/8/1999 | | | | | | | 26 | 39 | 2.8 | 19 | | | 56.99 | | |
| 7/9/1999 | | | | | | | 77 | 166 | 60 | 115 | | | 16.08 | | |
| 7/10/1999 | | | | | | | 65 | 123 | 26 | 47 | | | 10.96 | | |
| 7/11/1999 | | | | | | | 320 | 688 | 2010 | 517 | | | 53.22 | | |
| 7/12/1999 | | | | | | | 868 | 482 | 1410 | 803 | | | 30.44 | | |
| 7/13/1999 | | | | | | | 80 | 186 | 45 | 96 | | | 10.78 | | |
| 7/14/1999 | | | | | | | 21 | 92 | 5.3 | 25 | | | 6.98 | | |
| 7/15/1999 | | | | | | | 9 | 68 | 1.7 | 13 | | | 5.82 | | |
| 7/16/1999 | | | | | | | 5.6 | 53 | 0.8 | 11 | | | 5.32 | | |
| 7/17/1999 | | | | | | | 4.3 | 50 | 0.57 | 7.5 | | | 4.97 | | |
| 7/18/1999 | | | | | | | 3.5 | 51 | 0.49 | 6.4 | | | 4.65 | | |
| 7/19/1999 | | | | | | | 3.1 | 52 | 0.44 | 5.5 | | | 4.11 | | |
| 7/20/1999 | | | | | | | 2.8 | 57 | 0.43 | 3.6 | | | 3.88 | | |
| 7/21/1999 | | | | | | | 2.5 | 61 | 0.41 | 3 | | | 3.78 | | |
| 7/22/1999 | | | | | | | 2.3 | 56 | 0.36 | 2.6 | | | 3.34 | | |
| 7/23/1999 | | | | | | | 2.2 | 51 | 0.3 | 2.2 | | | 3.12 | | |
| 7/24/1999 | | | | | | | 2.1 | 49 | 0.26 | 2 | | | 2.94 | | |
| 7/25/1999 | | | | | | | 2 | 49 | 0.26 | 2.1 | | | 2.81 | | |
| 7/26/1999 | | | | | | | 4 | 106 | 1.1 | 17 | | | 30.67 | | |
| 7/27/1999 | | | | | | | 23 | 319 | 20 | 20 | | | 8.22 | | |
| 7/28/1999 | | | | | | | 7 | 71 | 1.3 | 26 | | | 3.51 | | |
| 7/29/1999 | | | | | | | 9.4 | 81 | 2.1 | 18 | | | 2.83 | | |
| 7/30/1999 | | | | | | | 6.7 | 67 | 1.2 | 11 | | | 2.58 | | |
| 7/31/1999 | | | | | | | 5.3 | 61 | 0.88 | 7.7 | | | 2.29 | | |
| 8/1/1999 | | | | | | | 4.6 | 61 | 0.76 | 6.2 | | | 2.05 | | |
| 8/2/1999 | | | | | | | 4.2 | 64 | 0.73 | 5.2 | | | 2.13 | | |
| 8/3/1999 | | | | | | | 3.8 | 64 | 0.66 | 4 | | | 1.86 | | |
| 8/4/1999 | | | | | | | 3.5 | 62 | 0.59 | 3.2 | | | 1.57 | | |
| 8/5/1999 | | | | | | | 3.3 | 58 | 0.51 | 2.7 | | | 1.46 | | |
| 8/6/1999 | | | | | | | 3 | 54 | 0.43 | 2 | | | 1.44 | | |
| 8/7/1999 | | | | | | | 2.9 | 49 | 0.38 | 2.2 | | | 1.48 | | |
| 8/8/1999 | | | | | | | 2.9 | 45 | 0.35 | 2.1 | | | 1.56 | | |
| 8/9/1999 | | | | | | | 2.8 | 41 | 0.31 | 1.6 | | | 1.93 | | |
| 8/10/1999 | | | | | | | 2.8 | 34 | 0.31 | 2.2 | | | 2.51 | | |
| 8/11/1999 | | | | | | | 2.8 | 41 | 0.31 | 1.7 | | | 1.78 | | |
| 8/12/1999 | | | | | | | 2.7 | 48 | 0.35 | 1.4 | | | 1.55 | | |
| 8/13/1999 | | | | | | | 2.5 | 54 | 0.37 | 0.99 | | | 1.31 | | |
| 8/14/1999 | | | | | | | 2.4 | 57 | 0.37 | 1 | | | 1.10 | | |
| 8/15/1999 | | | | | | | 2.2 | 59 | 0.35 | 1.2 | | | 0.97 | | |
| 8/16/1999 | | | | | | | 2 | 61 | 0.34 | 0.96 | | | 0.93 | | |
| 8/17/1999 | | | | | | | 1.9 | 59 | 0.3 | 0.81 | | | 0.86 | | |
| 8/18/1999 | | | | | | | 1.8 | 55 | 0.27 | 0.73 | | | 0.86 | | |
| 8/19/1999 | | | | | | | 1.7 | 57 | 0.27 | 0.99 | | | 0.86 | | |
| 8/20/1999 | | | | | | | 1.6 | 60 | 0.26 | 1 | | | 0.79 | | |
| 8/21/1999 | | | | | | | 1.6 | 61 | 0.26 | 1.3 | | | 0.73 | | |
| 8/22/1999 | | | | | | | 1.6 | 63 | 0.27 | 1 | | | 0.73 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/15/1999 | | | | | | | 2.1 | 70 | 0.39 | 0.29 | 53.4981 | 0.04152 | 0.63 | | | | |
| 10/16/1999 | | | | | | | 1.9 | 65 | 0.33 | 0.32 | 53.1823 | 0.04593 | 0.64 | | | | |
| 10/17/1999 | | | | | | | 1.8 | 68 | 0.32 | 0.17 | 52.8665 | 0.02395 | 0.64 | | | | |
| 10/18/1999 | | | | | | | 1.6 | 70 | 0.31 | 0.12 | 52.55059 | 0.01665 | 0.64 | | | | |
| 10/19/1999 | | | | | | | 1.6 | 60 | 0.25 | 0.09899999 | 52.2348 | 0.01397 | 0.68 | | | | |
| 10/20/1999 | | | | | | | 1.5 | 65 | 0.27 | 0.082 | 51.919 | 0.01153 | 0.71 | | | | |
| 10/21/1999 | | | | | | | 1.4 | 60 | 0.23 | 0.059 | 51.6031 | 0.00827 | 0.69 | | | | |
| 10/22/1999 | | | | | | | 1.4 | 53 | 0.2 | 0.047 | 51.3385 | 0.00655 | 0.69 | | | | |
| 10/23/1999 | | | | | | | 1.3 | 51 | 0.18 | 0.037 | 51.2461 | 0.00513 | 0.67 | | | | |
| 10/24/1999 | | | | | | | 1.3 | 50 | 0.18 | 0.031 | 51.1676 | 0.00423 | 0.69 | | | | |
| 10/25/1999 | | | | | | | 1.3 | 50 | 0.17 | 0.028 | 51.0892 | 0.00383 | 0.70 | | | | |
| 10/26/1999 | | | | | | | 1.3 | 50 | 0.17 | 0.022 | 51.0108 | 0.00307 | 0.75 | | | | |
| 10/27/1999 | | | | | | | 1.2 | 49 | 0.17 | 0.017 | 50.954 | 0.00239 | 0.75 | | | | |
| 10/28/1999 | | | | | | | 1.2 | 49 | 0.16 | 0.018 | 50.9137 | 0.00244 | 0.98 | | | | |
| 10/29/1999 | | | | | | | 1.2 | 50 | 0.17 | 0.029 | 50.8734 | 0.00402 | 0.62 | | | | |
| 10/30/1999 | | | | | | | 1.2 | 48 | 0.16 | 0.032 | 50.8331 | 0.00439 | 0.59 | | | | |
| 10/31/1999 | | | | | | | 1.2 | 46 | 0.15 | 0.015 | 50.7928 | 0.00203 | 0.68 | | | | |
| 11/1/1999 | | | | | | | 1.7 | 47 | 0.21 | 0.072 | 50.7525 | 0.00981 | 1.96 | | | | |
| 11/2/1999 | | | | | | | 2.2 | 67 | 0.4 | 0.025 | 50.7122 | 0.00345 | 1.24 | | | | |
| 11/3/1999 | | | | | | | 2.2 | 51 | 0.3 | 0.04 | 50.67191 | 0.00543 | 0.84 | | | | |
| 11/4/1999 | | | | | | | 2.1 | 48 | 0.27 | 0.04 | 50.6316 | 0.00542 | 0.76 | | | | |
| 11/5/1999 | | | | | | | 2 | 49 | 0.26 | 0.046 | 50.5913 | 0.00621 | 0.80 | | | | |
| 11/6/1999 | | | | | | | 1.9 | 49 | 0.25 | 0.053 | 50.551 | 0.00725 | 0.82 | | | | |
| 11/7/1999 | | | | | | | 1.9 | 49 | 0.25 | 0.026 | 50.5107 | 0.00348 | 0.87 | | | | |
| 11/8/1999 | | | | | | | 1.9 | 49 | 0.25 | 0.019 | 50.4864 | 0.00254 | 0.94 | | | | |
| 11/9/1999 | | | | | | | 1.8 | 52 | 0.26 | 0.061 | 50.4861 | 0.00836 | 0.96 | | | | |
| 11/10/1999 | | | | | | | 1.8 | 56 | 0.27 | 0.09 | 50.4861 | 0.01222 | 0.96 | | | | |
| 11/11/1999 | | | | | | | 1.8 | 58 | 0.28 | 0.097 | 50.4861 | 0.01326 | 0.97 | | | | |
| 11/12/1999 | | | | | | | 1.7 | 59 | 0.28 | 0.075 | 50.4861 | 0.01024 | 0.97 | | | | |
| 11/13/1999 | | | | | | | 1.7 | 55 | 0.26 | 0.11 | 50.4861 | 0.01435 | 1.02 | | | | |
| 11/14/1999 | | | | | | | 1.7 | 49 | 0.23 | 0.093 | 50.4861 | 0.01269 | 1.00 | | | | |
| 11/15/1999 | | | | | | | 1.7 | 45 | 0.21 | 0.063 | 50.4861 | 0.00856 | 1.01 | | | | |
| 11/16/1999 | | | | | | | 1.7 | 48 | 0.22 | 0.089 | 51.0791 | 0.01234 | 1.00 | | | | |
| 11/17/1999 | | | | | | | 1.7 | 53 | 0.24 | 0.16 | 52.8007 | 0.02232 | 0.99 | | | | |
| 11/18/1999 | | | | | | | 1.7 | 51 | 0.23 | 0.17 | 54.5496 | 0.02573 | 1.01 | | | | |
| 11/19/1999 | | | | | | | 1.7 | 47 | 0.22 | 0.2 | 56.2803 | 0.03005 | 1.09 | | | | |
| 11/20/1999 | | | | | | | 2.2 | 45 | 0.27 | 0.54 | 54.8861 | 0.08083 | 3.64 | | | | |
| 11/21/1999 | | | | | | | 2.8 | 49 | 0.37 | 0.13 | 51.8098 | 0.01862 | 1.91 | | | | |
| 11/22/1999 | | | | | | | 2.8 | 53 | 0.4 | 0.1 | 51.2072 | 0.01376 | 1.29 | | | | |
| 11/23/1999 | | | | | | | 2.6 | 53 | 0.38 | 0.11 | 51.1282 | 0.01573 | 1.29 | | | | |
| 11/24/1999 | | | | | | | 2.6 | 52 | 0.37 | 0.22 | 53.2311 | 0.03139 | 2.26 | | | | |
| 11/25/1999 | | | | | | | 2.8 | 58 | 0.43 | 0.32 | 53.2195 | 0.04553 | 2.17 | | | | |
| 11/26/1999 | | | | | | | 2.9 | 63 | 0.5 | 0.39 | 52.6291 | 0.05553 | 2.15 | | | | |
| 11/27/1999 | | | | | | | 2.9 | 56 | 0.44 | 0.23 | 52.0388 | 0.03257 | 1.60 | | | | |
| 11/28/1999 | | | | | | | 2.8 | 49 | 0.37 | 0.18 | 51.4485 | 0.02488 | 1.38 | | | | |
| 11/29/1999 | | | | | | | 2.6 | 43 | 0.3 | 0.13 | 51.0491 | 0.01778 | 1.28 | | | | |
| 11/30/1999 | | | | | | | 2.4 | 42 | 0.27 | 0.43 | 53.19621 | 0.06135 | 1.20 | | | | |
| 12/1/1999 | | | | | | | 2.3 | 39 | 0.25 | 0.4 | 52.6915 | 0.05658 | 1.21 | | | | |
| 12/2/1999 | | | | | | | 2.3 | 40 | 0.24 | 0.25 | 52.1867 | 0.03501 | 1.29 | | | | |
| 12/3/1999 | | | | | | | 2.3 | 42 | 0.25 | 0.22 | 51.6844 | 0.03073 | 1.47 | | | | |
| 12/4/1999 | | | | | | | 2.3 | 43 | 0.26 | 0.22 | 51.4236 | 0.03024 | 1.56 | | | | |
| 12/5/1999 | | | | | | | 2.6 | 43 | 0.31 | 0.92 | 51.3242 | 0.12715 | 2.29 | | | | |
| 12/6/1999 | | | | | | | 3.1 | 44 | 0.37 | 0.95 | 51.2247 | 0.13205 | 2.48 | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/29/2000 | | | | | | | 76 | 507 | 116 | 150 | 142.204 | 58.4017 | 64.12 | 182.28 | 31.76 |
| 1/30/2000 | | | | | | | 136 | 187 | 70 | 131 | 104.203 | 38.0914 | 43.37 | 116.99 | 14.13 |
| 1/31/2000 | | | | | | | 101 | 77 | 22 | 49 | 82.8757 | 10.9587 | 28.04 | 72.05 | 5.77 |
| 2/1/2000 | | | | | | | 58 | 56 | 8.8 | 21 | 76.7339 | 4.38071 | 17.15 | 41.77 | 1.96 |
| 2/2/2000 | | | | | | | 38 | 52 | 5.3 | 12 | 76.3622 | 2.39793 | 13.16 | 39.85 | 1.41 |
| 2/3/2000 | | | | | | | 29 | 49 | 3.8 | 7.9 | 76.5087 | 1.63082 | 11.06 | 39.70 | 1.18 |
| 2/4/2000 | | | | | | | 24 | 47 | 3.1 | 5.5 | 76.6552 | 1.14387 | 9.52 | 39.55 | 1.01 |
| 2/5/2000 | | | | | | | 20 | 44 | 2.4 | 4 | 76.8016 | 0.81907 | 7.60 | 39.40 | 0.81 |
| 2/6/2000 | | | | | | | 17 | 42 | 1.9 | 2.9 | 76.9481 | 0.61219 | 6.95 | 39.25 | 0.74 |
| 2/7/2000 | | | | | | | 15 | 40 | 1.6 | 2.6 | 77.0946 | 0.53971 | 6.70 | 39.10 | 0.71 |
| 2/8/2000 | | | | | | | 14 | 37 | 1.4 | 1.8 | 77.2411 | 0.37561 | 6.40 | 38.95 | 0.68 |
| 2/9/2000 | | | | | | | 12 | 33 | 1.1 | 1.4 | 77.3876 | 0.28243 | 6.04 | 38.80 | 0.63 |
| 2/10/2000 | | | | | | | 12 | 34 | 1.1 | 1.1 | 77.534 | 0.22819 | 5.79 | 38.65 | 0.60 |
| 2/11/2000 | | | | | | | 11 | 35 | 1.1 | 0.83 | 77.6805 | 0.17339 | 5.51 | 38.50 | 0.57 |
| 2/12/2000 | | | | | | | 11 | 36 | 1.1 | 0.92 | 77.827 | 0.19404 | 5.40 | 38.36 | 0.56 |
| 2/13/2000 | | | | | | | 15 | 40 | 1.7 | 3.3 | 78.7658 | 0.71479 | 14.77 | 71.93 | 4.69 |
| 2/14/2000 | | | | | | | 90 | 168 | 43 | 31 | 90.8564 | 7.74187 | 26.41 | 89.18 | 6.90 |
| 2/15/2000 | | | | | | | 57 | 157 | 25 | 22 | 104.792 | 6.16294 | 11.66 | 56.92 | 1.79 |
| 2/16/2000 | | | | | | | 34 | 102 | 9.5 | 11 | 95.442 | 2.86716 | 9.39 | 52.04 | 1.32 |
| 2/17/2000 | | | | | | | 26 | 86 | 5.9 | 7.9 | 80.9615 | 1.73832 | 8.11 | 52.09 | 1.14 |
| 2/18/2000 | | | | | | | 42 | 138 | 19 | 45 | 97.13021 | 12.8418 | 9.27 | 58.41 | 1.55 |
| 2/19/2000 | | | | | | | 192 | 263 | 145 | 98 | 87.4694 | 23.6994 | 20.12 | 80.07 | 4.51 |
| 2/20/2000 | | | | | | | 71 | 137 | 27 | 27 | 72.8435 | 5.34 | 11.43 | 58.68 | 1.81 |
| 2/21/2000 | | | | | | | 38 | 104 | 11 | 12 | 65.657 | 2.20817 | 9.33 | 52.83 | 1.33 |
| 2/22/2000 | | | | | | | 26 | 92 | 6.5 | 7.9 | 64.7437 | 1.38944 | 8.30 | 52.62 | 1.18 |
| 2/23/2000 | | | | | | | 21 | 91 | 5.2 | 5.9 | 63.8618 | 1.01461 | 7.48 | 52.47 | 1.06 |
| 2/24/2000 | | | | | | | 20 | 92 | 4.9 | 4.3 | 62.98 | 0.72506 | 7.15 | 52.33 | 1.01 |
| 2/25/2000 | | | | | | | 16 | 80 | 3.5 | 3.5 | 62.09809 | 0.58717 | 6.62 | 52.19 | 0.94 |
| 2/26/2000 | | | | | | | 15 | 74 | 3 | 11 | 71.1233 | 3.37255 | 18.03 | 75.05 | 10.73 |
| 2/27/2000 | | | | | | | 255 | 294 | 229 | 234 | 112.442 | 72.8325 | 93.20 | 204.91 | 65.49 |
| 2/28/2000 | | | | | | | 109 | 142 | 44 | 62 | 90.2574 | 15.3972 | 22.79 | 95.46 | 6.00 |
| 2/29/2000 | | | | | | | 49 | 102 | 14 | 24 | 81.4308 | 5.363 | 13.78 | 72.02 | 2.67 |
| 3/1/2000 | | | | | | | 33 | 86 | 7.6 | 12 | 73.643 | 2.34152 | 10.65 | 67.25 | 1.94 |
| 3/2/2000 | | | | | | | 23 | 81 | 4.9 | 7.9 | 71.0898 | 1.52136 | 8.49 | 64.13 | 1.47 |
| 3/3/2000 | | | | | | | 19 | 80 | 4 | 6.1 | 69.2616 | 1.14318 | 7.70 | 61.01 | 1.26 |
| 3/4/2000 | | | | | | | 16 | 72 | 3.1 | 5.1 | 67.4334 | 0.9276 | 7.05 | 57.89 | 1.11 |
| 3/5/2000 | | | | | | | 15 | 63 | 2.5 | 3.8 | 65.6052 | 0.66625 | 6.28 | 54.77 | 0.93 |
| 3/6/2000 | | | | | | | 12 | 56 | 1.8 | 2.8 | 63.777 | 0.48053 | 5.86 | 51.64 | 0.82 |
| 3/7/2000 | | | | | | | 10 | 58 | 1.6 | 2.3 | 61.9488 | 0.37961 | 5.43 | 48.52 | 0.71 |
| 3/8/2000 | | | | | | | 8.9 | 63 | 1.5 | 1.9 | 60.3716 | 0.30721 | 5.25 | 46.00 | 0.65 |
| 3/9/2000 | | | | | | | 15 | 82 | 3.4 | 8.3 | 60.78151 | 1.36075 | 9.90 | 49.87 | 1.34 |
| 3/10/2000 | | | | | | | 112 | 221 | 189 | 129 | 97.2058 | 68.4601 | 106.84 | 239.64 | 253.93 |
| 3/11/2000 | | | | | | | 840 | 607 | 1480 | 554 | 148.534 | 233.484 | 188.91 | 436.34 | 251.70 |
| 3/12/2000 | | | | | | | 304 | 146 | 130 | 154 | 89.3279 | 38.9752 | 48.02 | 168.84 | 22.56 |
| 3/13/2000 | | | | | | | 95 | 80 | 21 | 36 | 65.2208 | 6.38841 | 25.38 | 124.49 | 8.57 |
| 3/14/2000 | | | | | | | 49 | 67 | 8.8 | 18 | 59.0735 | 2.84969 | 17.38 | 103.25 | 4.91 |
| 3/15/2000 | | | | | | | 33 | 61 | 5.5 | 12 | 56.2709 | 1.84355 | 14.06 | 94.49 | 3.59 |
| 3/16/2000 | | | | | | | 49 | 82 | 13 | 15 | 54.8865 | 2.17076 | 15.47 | 90.06 | 3.79 |
| 3/17/2000 | | | | | | | 82 | 95 | 21 | 32 | 55.8572 | 4.77992 | 12.55 | 85.63 | 2.89 |
| 3/18/2000 | | | | | | | 50 | 78 | 10 | 17 | 61.7201 | 2.86895 | 10.03 | 81.19 | 2.20 |
| 3/19/2000 | | | | | | | 3870 | 866 | 10700 | 2020 | 774.974 | 4908.74 | 684.26 | 1513.66 | 3747.46 |
| 3/20/2000 | | | | | | | 2000 | 306 | 1960 | 1050 | 340.975 | 984.026 | 116.01 | 308.95 | 112.41 |
| 3/21/2000 | | | | | | | 666 | 140 | 258 | 293 | 239.99 | 218.29 | 37.20 | 170.08 | 17.50 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/14/2000 | | | | | | | 9.6 | 61 | 1.6 | 0.43 | 62.1456 | 0.07272 | 2.25 | 87.89 | | 0.54 |
| 5/15/2000 | | | | | | | 7.8 | 53 | 1.1 | 1.8 | 88.9972 | 0.69299 | 1.99 | 103.48 | | 0.56 |
| 5/16/2000 | | | | | | | 6.7 | 53 | 0.97 | 0.42 | 74.4586 | 0.10513 | 1.93 | 77.53 | | 0.41 |
| 5/17/2000 | | | | | | | 5.9 | 56 | 0.9 | 0.22 | 95.6027 | 0.05525 | 1.88 | 37.51 | | 0.19 |
| 5/18/2000 | | | | | | | 5.4 | 61 | 0.89 | 0.18 | 121.551 | 0.06019 | 1.70 | 26.78 | | 0.12 |
| 5/19/2000 | | | | | | | 5.1 | 66 | 0.9 | 0.17 | 214.932 | 0.09479 | 1.70 | 27.20 | | 0.13 |
| 5/20/2000 | | | | | | | 4.8 | 61 | 0.78 | 0.2 | 169.99 | 0.08657 | 2.36 | 37.73 | | 0.28 |
| 5/21/2000 | | | | | | | 4.7 | 53 | 0.67 | 0.23 | 95.0369 | 0.0583 | 3.40 | 65.60 | | 0.62 |
| 5/22/2000 | | | | | | | 4.8 | 45 | 0.59 | 0.19 | 77.9909 | 0.03912 | 2.06 | 50.21 | | 0.28 |
| 5/23/2000 | | | | | | | 4.6 | 39 | 0.48 | 0.14 | 85.949 | 0.0327 | 1.72 | 41.45 | | 0.19 |
| 5/24/2000 | | | | | | | 4.3 | 41 | 0.48 | 0.23 | 111.453 | 0.09769 | 1.54 | 44.72 | | 0.18 |
| 5/25/2000 | | | | | | | 4.2 | 41 | 0.47 | 16 | 110.683 | 12.5883 | 2.17 | 60.84 | | 0.95 |
| 5/26/2000 | | | | | | | 35 | 620 | 75 | 36 | 244.853 | 21.7162 | 5.12 | 258.67 | | 4.71 |
| 5/27/2000 | | | | | | | 25 | 336 | 24 | 5.1 | 158.632 | 2.28384 | 1.73 | 81.86 | | 0.40 |
| 5/28/2000 | | | | | | | 41 | 598 | 75 | 18 | 286.167 | 14.9357 | 3.44 | 87.34 | | 0.84 |
| 5/29/2000 | | | | | | | 29 | 415 | 34 | 5.9 | 238.374 | 3.84353 | 1.76 | 65.34 | | 0.31 |
| 5/30/2000 | | | | | | | 15 | 186 | 7.7 | 1.8 | 135.634 | 0.70585 | 1.31 | 64.47 | | 0.23 |
| 5/31/2000 | | | | | | | 9.1 | 85 | 2.1 | 0.72 | 91.1672 | 0.17839 | 1.19 | 64.58 | | 0.21 |
| 6/1/2000 | | | | | | | 6.5 | 60 | 1 | 0.41 | 79.76 | 0.08875 | 1.06 | 59.28 | | 0.17 |
| 6/2/2000 | | | | | | | 5.2 | 51 | 0.71 | 0.24 | 72.1695 | 0.04703 | 0.96 | 52.29 | | 0.14 |
| 6/3/2000 | | | | | | | 9.1 | 60 | 2.4 | 6.4 | 83.5801 | 7.05033 | 1.54 | 63.58 | | 0.30 |
| 6/4/2000 | | | | | | | 68 | 106 | 20 | 44 | 223.825 | 32.7015 | 1.49 | 73.60 | | 0.31 |
| 6/5/2000 | | | | | | | 162 | 234 | 126 | 37 | 300.177 | 37.596 | 2.47 | 118.00 | | 0.79 |
| 6/6/2000 | | | | | | | 75 | 133 | 30 | 27 | 265.416 | 21.2675 | 1.63 | 82.22 | | 0.37 |
| 6/7/2000 | | | | | | | 23 | 65 | 4.1 | 8.1 | 119.656 | 2.70821 | 1.12 | 62.42 | | 0.19 |
| 6/8/2000 | | | | | | | 9.3 | 58 | 1.5 | 2.5 | 87.6649 | 0.60359 | 0.94 | 57.61 | | 0.15 |
| 6/9/2000 | | | | | | | 5.3 | 58 | 0.83 | 1.5 | 66.8559 | 0.27442 | 0.89 | 57.01 | | 0.14 |
| 6/10/2000 | | | | | | | 4.5 | 58 | 0.71 | 0.52 | 57.812 | 0.08181 | 0.82 | 54.95 | | 0.12 |
| 6/11/2000 | | | | | | | 3.7 | 59 | 0.59 | 0.47 | 52.6577 | 0.06729 | 0.76 | 52.37 | | 0.11 |
| 6/12/2000 | | | | | | | 3 | 60 | 0.48 | 0.47 | 47.5809 | 0.06044 | 0.74 | 49.71 | | 0.10 |
| 6/13/2000 | | | | | | | 2.3 | 49 | 0.31 | 0.38 | 44.8832 | 0.04575 | 0.67 | 44.06 | | 0.08 |
| 6/14/2000 | | | | | | | 1.8 | 38 | 0.19 | 0.33 | 47.0751 | 0.04196 | 0.67 | 47.09 | | 0.08 |
| 6/15/2000 | | | | | | | 1.6 | 68 | 0.29 | 0.31 | 52.9058 | 0.04471 | 0.66 | 58.37 | | 0.10 |
| 6/16/2000 | | | | | | | 1.4 | 43 | 0.17 | 3 | 67.2008 | 0.94574 | 2.42 | 88.03 | | 0.97 |
| 6/17/2000 | | | | | | | 3.6 | 45 | 0.62 | 87 | 106.173 | 46.262 | 32.21 | 202.68 | | 62.75 |
| 6/18/2000 | | | | | | | 79 | 234 | 74 | 163 | 166.827 | 108.186 | 14.27 | 208.35 | | 9.64 |
| 6/19/2000 | | | | | | | 81 | 385 | 94 | 76 | 227.083 | 40.4883 | 3.51 | 124.49 | | 1.24 |
| 6/20/2000 | | | | | | | 22 | 216 | 13 | 24 | 197.034 | 13.1154 | 1.42 | 126.36 | | 0.48 |
| 6/21/2000 | | | | | | | 11 | 169 | 5.2 | 13 | 171.235 | 5.84873 | 1.20 | 132.59 | | 0.43 |
| 6/22/2000 | | | | | | | 84 | 285 | 79 | 87 | 170.882 | 44.5559 | 40.37 | 231.77 | | 74.67 |
| 6/23/2000 | | | | | | | 30 | 146 | 12 | 20 | 121.926 | 6.6274 | 1.49 | 57.11 | | 0.23 |
| 6/24/2000 | | | | | | | 9.5 | 97 | 2.5 | 8.6 | 91.6583 | 2.17938 | 0.95 | 53.53 | | 0.14 |
| 6/25/2000 | | | | | | | 4.9 | 71 | 0.94 | 4.8 | 71.7183 | 0.93373 | 0.78 | 51.15 | | 0.11 |
| 6/26/2000 | | | | | | | 3.3 | 52 | 0.46 | 2.4 | 60.3587 | 0.39685 | 0.67 | 48.82 | | 0.09 |
| 6/27/2000 | | | | | | | 2.5 | 44 | 0.29 | 9 | 126.605 | 7.32157 | 20.49 | 108.97 | | 18.16 |
| 6/28/2000 | | | | | | | 3.9 | 113 | 1.2 | 12 | 330.794 | 9.38302 | 3.93 | 81.95 | | 0.98 |
| 6/29/2000 | | | | | | | 6.1 | 331 | 6.4 | 18 | 301.486 | 16.5984 | 2.83 | 59.91 | | 0.46 |
| 6/30/2000 | | | | | | | 5.4 | 456 | 6.7 | 8.6 | 165.457 | 3.91898 | 1.33 | 56.33 | | 0.20 |
| 7/1/2000 | | | | | | | 3.3 | 277 | 2.5 | 4.4 | 142.422 | 1.68629 | 0.93 | 57.91 | | 0.15 |
| 7/2/2000 | | | | | | | 2.3 | 159 | 1 | 2.2 | 123.256 | 0.7322 | 0.80 | 62.01 | | 0.13 |
| 7/3/2000 | | | | | | | 1.8 | 92 | 0.44 | 1.1 | 104.114 | 0.31788 | 0.72 | 65.75 | | 0.13 |
| 7/4/2000 | | | | | | | 1.4 | 65 | 0.25 | 0.55 | 85.5886 | 0.12888 | 0.65 | 61.21 | | 0.11 |
| 7/5/2000 | | | | | | | 1.2 | 52 | 0.16 | 0.34 | 67.2862 | 0.06202 | 0.60 | 52.89 | | 0.08 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/28/2000 | | | | | | | 0.02 | 55 | 0 | 0 | 0 | 0 | 0.00 | | | 0.00 |
| 8/29/2000 | | | | | | | 0.01 | 55 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 8/30/2000 | | | | | | | 0 | 55 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 8/31/2000 | | | | | | | 0 | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/1/2000 | | | | | | | 0 | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/2/2000 | | | | | | | 0 | 70 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/3/2000 | | | | | | | 0 | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/4/2000 | | | | | | | 0 | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/5/2000 | | | | | | | 0 | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/6/2000 | | | | | | | 0 | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/7/2000 | | | | | | | 0.096 | 67 | 0.02 | 0 | 0 | 0 | 0.00 | 0.00 | | 0.00 |
| 9/8/2000 | | | | | | | 0.096 | 68 | 0.02 | 0 | 0 | 0 | 0.05 | 92.41 | | 0.01 |
| 9/9/2000 | | | | | | | 0.095 | 66 | 0.02 | 0 | 0 | 0 | 0.23 | 80.55 | | 0.05 |
| 9/10/2000 | | | | | | | 0.094 | 63 | 0.02 | 0 | 0 | 0 | 0.20 | 62.33 | | 0.03 |
| 9/11/2000 | | | | | | | 0.092 | 61 | 0.01 | 0 | | 0 | 0.20 | 44.79 | | 0.02 |
| 9/12/2000 | | | | | | | 0.092 | 62 | 0.01 | 0 | 61.8162 | 0 | 0.25 | 38.55 | | 0.03 |
| 9/13/2000 | | | | | | | 0.092 | 65 | 0.02 | 0.007 | 60.7421 | 0 | 0.31 | 36.70 | | 0.03 |
| 9/14/2000 | | | | | | | 0.091 | 64 | 0.02 | 0.003 | 62.3918 | 0 | 0.24 | 41.45 | | 0.03 |
| 9/15/2000 | | | | | | | 0.089 | 63 | 0.01 | 0.002 | 65.2889 | 0.003 | 0.20 | 48.39 | | 0.03 |
| 9/16/2000 | | | | | | | 0.085 | 65 | 0.01 | 0.001 | 67.7495 | 0 | 0.16 | 51.83 | | 0.02 |
| 9/17/2000 | | | | | | | 0.082 | 69 | 0.01 | 0 | 70.0397 | 0 | 0.14 | 53.77 | | 0.02 |
| 9/18/2000 | | | | | | | 0.08 | 70 | 0.01 | 0 | 72.33 | 0 | 0.13 | 49.87 | | 0.02 |
| 9/19/2000 | | | | | | | 0.078 | 66 | 0.01 | 0 | 75 | 0 | 0.13 | 37.64 | | 0.01 |
| 9/20/2000 | | | | | | | 0.077 | 71 | 0.01 | 0 | 77 | 0 | 0.15 | 37.59 | | 0.01 |
| 9/21/2000 | | | | | | | 0.081 | 73 | 0.02 | 0.014 | 79.2007 | 0.003 | 0.26 | 46.08 | | 0.03 |
| 9/22/2000 | | | | | | | 0.082 | 74 | 0.02 | 0.004 | 81.3635 | 0.001 | 0.32 | 57.22 | | 0.05 |
| 9/23/2000 | | | | | | | 0.083 | 73 | 0.02 | 0.003 | 81.2112 | 0.001 | 0.27 | 59.91 | | 0.04 |
| 9/24/2000 | | | | | | | 0.087 | 72 | 0.02 | 0.004 | 80.1971 | 0.001 | 0.26 | 59.15 | | 0.04 |
| 9/25/2000 | | | | | | | 0.091 | 71 | 0.02 | 0.003 | 79.2252 | 0.001 | 0.38 | 58.12 | | 0.06 |
| 9/26/2000 | | | | | | | 0.089 | 75 | 0.02 | 0.002 | 78.8456 | 0 | 0.28 | 52.48 | | 0.04 |
| 9/27/2000 | | | | | | | 0.09 | 76 | 0.02 | 0.001 | 78.6572 | 0 | 0.23 | 45.58 | | 0.03 |
| 9/28/2000 | | | | | | | 0.091 | 76 | 0.02 | 0.001 | 78.4688 | 0 | 0.20 | 44.98 | | 0.02 |
| 9/29/2000 | | | | | | | 0.09 | 75 | 0.02 | 0.001 | 78.2805 | 0 | 0.18 | 46.63 | | 0.02 |
| 9/30/2000 | | | | | | | 0.089 | 75 | 0.02 | 0 | 78.094 | 0 | 0.16 | 48.34 | | 0.02 |
| 10/1/2000 | | | | | | | 0.061 | 74 | 0.01 | 0 | 79.1831 | 0 | 0.13 | 49.06 | | 0.02 |
| 10/2/2000 | | | | | | | 0.028 | 69 | 0.00528 | 0 | 81.53 | 0 | 0.13 | 49.92 | | 0.02 |
| 10/3/2000 | | | | | | | 0.024 | 59 | 0.00378 | 0 | 83 | 0 | 0.16 | 53.11 | | 0.02 |
| 10/4/2000 | | | | | | | 0.023 | 61 | 0.00372 | 0 | 86 | 0 | 0.14 | 57.44 | | 0.02 |
| 10/5/2000 | | | | | | | 0.022 | 63 | 0.00376 | 0 | 88 | 0 | 0.11 | 68.52 | | 0.02 |
| 10/6/2000 | | | | | | | 0.023 | 65 | 0.00405 | 0 | 91 | 0 | 0.15 | 81.14 | | 0.03 |
| 10/7/2000 | | | | | | | 0.022 | 68 | 0.0041 | 0 | 93 | 0 | 0.13 | 76.82 | | 0.03 |
| 10/8/2000 | | | | | | | 0.021 | 70 | 0.00404 | 0 | 95 | 0 | 0.16 | 66.49 | | 0.03 |
| 10/9/2000 | | | | | | | 0.021 | 72 | 0.00405 | 0 | 98 | 0 | 0.15 | 57.15 | | 0.02 |
| 10/10/2000 | | | | | | | 0.02 | 75 | 0.00401 | 0 | 100 | 0 | 0.14 | 64.33 | | 0.02 |
| 10/11/2000 | | | | | | | 0.019 | 78 | 0.00407 | 0 | 102 | 0 | 0.16 | 76.28 | | 0.03 |
| 10/12/2000 | | | | | | | 0.019 | 75 | 0.00384 | 0 | 104 | 0 | 0.16 | 70.85 | | 0.03 |
| 10/13/2000 | | | | | | | 0.019 | 69 | 0.00351 | 0 | 107 | 0 | 0.16 | 59.75 | | 0.03 |
| 10/14/2000 | | | | | | | 0.019 | 66 | 0.00332 | 0 | 109 | 0 | 0.16 | 54.63 | | 0.02 |
| 10/15/2000 | | | | | | | 0.061 | 63 | 0.01022 | 0 | 112.198 | 0 | 0.15 | 51.63 | | 0.02 |
| 10/16/2000 | | | | | | | 0.083 | 60 | 0.01345 | 0.005 | 114.491 | 0.00157 | 0.16 | 49.50 | | 0.02 |
| 10/17/2000 | | | | | | | 0.085 | 59 | 0.01364 | 0.003 | 115.812 | 0.00104 | 0.15 | 61.85 | | 0.02 |
| 10/18/2000 | | | | | | | 0.084 | 60 | 0.01354 | 0 | 116.714 | 0 | 0.14 | 78.47 | | 0.03 |
| 10/19/2000 | | | | | | | 0.081 | 60 | 0.01319 | 0 | 116.176 | 0 | 0.15 | 80.46 | | 0.03 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/12/2000 | | | | | | | 1.8 | 44 | 0.214 | 0.36 | 61 | 0.06 | 2.70 | 52.42 | 0.37 |
| 12/13/2000 | | | | | | | 205 | 170 | 307.928 | 121 | 283 | 92 | 69.62 | 253.93 | 118.81 |
| 12/14/2000 | | | | | | | 771 | 123 | 303.302 | 250 | 299 | 201 | 57.83 | 123.37 | 24.67 |
| 12/15/2000 | | | | | | | 1130 | 276 | 2401.39 | 567 | 561 | 2280 | 125.42 | 329.33 | 284.63 |
| 12/16/2000 | | | | | | | 4260 | 799 | 10096.1 | 2040 | 1339.82 | 8047.09 | 310.44 | 687.79 | 821.80 |
| 12/17/2000 | | | | | | | 1630 | 283 | 1369.37 | 869 | 575.96 | 1462.22 | 104.78 | 158.12 | 52.17 |
| 12/18/2000 | | | | | | | 561 | 190 | 295.613 | 274 | 189.638 | 169.357 | 48.25 | 61.67 | 8.16 |
| 12/19/2000 | | | | | | | 204 | 150 | 84.2075 | 71 | 121.3 | 23.5499 | 31.30 | 52.57 | 4.41 |
| 12/20/2000 | | | | | | | 87 | 114 | 27.0727 | 34 | 102.216 | 9.36422 | 37.97 | 155.52 | 19.17 |
| 12/21/2000 | | | | | | | 64 | 84 | 14.7138 | 30 | 83.1341 | 6.62864 | 17.88 | 66.04 | 3.24 |
| 12/22/2000 | | | | | | | 48 | 63 | 8.1868 | 22 | 69.6029 | 4.20188 | 15.18 | 73.57 | 3.41 |
| 12/23/2000 | | | | | | | 32 | 55 | 4.7601 | 16 | 61.1718 | 2.62967 | 22.75 | 94.57 | 7.06 |
| 12/24/2000 | | | | | | | 27 | 48 | 3.57373 | 14 | 52.7406 | 1.95239 | 8.49 | 48.95 | 1.12 |
| 12/25/2000 | | | | | | | 23 | 41 | 2.56612 | 11 | 44.3094 | 1.32825 | 6.76 | 42.26 | 0.77 |
| 12/26/2000 | | | | | | | 20 | 35 | 1.86183 | 10 | 62.962 | 1.7 | 6.39 | 35.89 | 0.62 |
| 12/27/2000 | | | | | | | 218 | 85 | 77.7674 | 89 | 223.667 | 54 | 127.53 | 402.38 | 206.66 |
| 12/28/2000 | | | | | | | 291 | 72 | 60.23989 | 54 | 100.311 | 15.381 | 74.07 | 126.95 | 27.37 |
| 12/29/2000 | | | | | | | 93 | 60 | 15.0742 | 27 | 78.595 | 5.83112 | 35.24 | 60.14 | 5.90 |
| 12/30/2000 | | | | | | | 51 | 59 | 8.1716 | 17 | 72.6522 | 3.37228 | 32.60 | 97.77 | 10.23 |
| 12/31/2000 | | | | | | | 32 | 59 | 5.11906 | 13 | 66.7094 | 2.27755 | 36.47 | 101.10 | 12.44 |
| 1/1/2001 | | | | | | | 26 | 59 | 4.18309 | 9.6 | 60.7665 | 1.58176 | 15.45 | 45.20 | 1.88 |
| 1/2/2001 | | | | | | | 19 | 59 | 3.08158 | 8.7 | 54.8237 | 1.28685 | 33.28 | 94.30 | 10.55 |
| 1/3/2001 | | | | | | | 17 | 58 | 2.69058 | 6.8 | 48.8809 | 0.8982201 | 18.89 | 38.52 | 1.98 |
| 1/4/2001 | | | | | | | 16 | 58 | 2.47897 | 6.1 | 43.6692 | 0.71461 | 12.28 | 34.84 | 1.15 |
| 1/5/2001 | | | | | | | 16 | 58 | 2.47876 | 6.2 | 42.6666 | 0.70878 | 14.14 | 35.06 | 1.33 |
| 1/6/2001 | | | | | | | 16 | 57 | 2.46752 | 5.9 | 42.3367 | 0.67655 | 9.11 | 36.23 | 0.89 |
| 1/7/2001 | | | | | | | 19 | 57 | 2.99886 | 21 | 42.0068 | 2.38367 | 39.36 | 126.79 | 23.84 |
| 1/8/2001 | | | | | | | 79 | 57 | 12.1243 | 40 | 41.6769 | 4.46167 | 69.45 | 126.66 | 25.59 |
| 1/9/2001 | | | | | | | 54 | 56 | 8.22442 | 17 | 41.347 | 1.93565 | 30.82 | 60.05 | 5.08 |
| 1/10/2001 | | | | | | | 33 | 56 | 4.95332 | 12 | 40.6141 | 1.33532 | 22.11 | 47.78 | 2.86 |
| 1/11/2001 | | | | | | | 47 | 55 | 7.059471 | 50 | 164.313 | 38.5481 | 49.80 | 125.11 | 23.72 |
| 1/12/2001 | | | | | | | 145 | 55 | 21.5047 | 72 | 164.489 | 32.739 | 63.19 | 127.44 | 22.45 |
| 1/13/2001 | | | | | | | 93 | 54 | 13.5831 | 39 | 115.524 | 12.3195 | 36.38 | 96.03 | 9.51 |
| 1/14/2001 | | | | | | | 96 | 53 | 13.7634 | 57 | 156.977 | 25.7584 | 54.64 | 162.61 | 24.92 |
| 1/15/2001 | | | | | | | 117 | 53 | 16.6976 | 56 | 100.881 | 15.5985 | 44.03 | 81.63 | 10.04 |
| 1/16/2001 | | | | | | | 76 | 52 | 10.7379 | 31 | 55.5932 | 4.80279 | 29.31 | 47.17 | 3.77 |
| 1/17/2001 | | | | | | | 304 | 124 | 147.331 | 114 | 302.469 | 133.415 | 90.22 | 141.20 | 44.33 |
| 1/18/2001 | | | | | | | 4520 | 1340 | 19102.6 | 2510 | 1380.65 | 9009.66 | 2307.98 | 2100.65 | 16642.90 |
| 1/19/2001 | | | | | | | 9200 | 1140 | 26230.3 | 6200 | 584.662 | 9260.09 | 2338.58 | 2205.03 | 15671.70 |
| 1/20/2001 | | | | | | | 4660 | 286 | 3856.52 | 2040 | 187.401 | 1114.41 | 227.42 | 688.70 | 442.76 |
| 1/21/2001 | | | | | | | 905 | 171 | 434.873 | 384 | 131.016 | 140.951 | 136.51 | 363.92 | 136.19 |
| 1/22/2001 | | | | | | | 310 | 127 | 108.286 | 134 | 99.1791 | 36.1982 | 91.73 | 245.48 | 61.12 |
| 1/23/2001 | | | | | | | 159 | 93 | 40.1215 | 90 | 71.6976 | 17.5727 | 72.90 | 175.22 | 34.68 |
| 1/24/2001 | | | | | | | 105 | 89 | 25.3962 | 69 | 65.5749 | 12.221 | 61.09 | 128.91 | 21.30 |
| 1/25/2001 | | | | | | | 75 | 89 | 17.9586 | 54 | 62.3193 | 9.10726 | 46.54 | 108.65 | 13.71 |
| 1/26/2001 | | | | | | | 56 | 88 | 13.2953 | 44 | 59.0638 | 7.03068 | 38.66 | 95.69 | 10.04 |
| 1/27/2001 | | | | | | | 48 | 88 | 11.4644 | 38 | 55.8083 | 5.67162 | 33.07 | 89.54 | 7.98 |
| 1/28/2001 | | | | | | | 42 | 88 | 9.9658 | 32 | 52.5527 | 4.59552 | 28.10 | 83.44 | 6.37 |
| 1/29/2001 | | | | | | | 302 | 197 | 305.807 | 168 | 390.221 | 440.786 | 107.71 | 391.18 | 220.10 |
| 1/30/2001 | | | | | | | 723 | 173 | 356.115 | 337 | 516.636 | 513.442 | 117.90 | 410.44 | 144.33 |
| 1/31/2001 | | | | | | | 227 | 119 | 74.877 | 110 | 152.591 | 48.0871 | 56.20 | 127.17 | 20.02 |
| 2/1/2001 | | | | | | | 111 | 78 | 23.7791 | 59 | 71.4184 | 11.6885 | 37.27 | 56.12 | 5.74 |
| 2/2/2001 | | | | | | | 69 | 61 | 11.4088 | 42 | 57.28379 | 6.53027 | 28.76 | 44.30 | 3.45 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/2001 | | | | | | | 49 | 39 | 5.06699 | 15 | 39.388 | 1.64118 | 25.71 | 27.72 | | 1.92 |
| 3/29/2001 | | | | | | | 46 | 39 | 4.83782 | 13 | 41.4264 | 1.47387 | 26.30 | 28.63 | | 2.02 |
| 3/30/2001 | | | | | | | 62 | 39 | 6.53689 | 18 | 43.9676 | 2.14809 | 33.95 | 30.30 | | 2.78 |
| 3/31/2001 | | | | | | | 71 | 40 | 7.57388 | 20 | 46.5088 | 2.54994 | 28.65 | 31.98 | | 2.48 |
| 4/1/2001 | | | | | | | 75 | 40 | 8.14253 | 42 | 49.05 | 5.63441 | 25.31 | 33.65 | | 2.30 |
| 4/2/2001 | | | | | | | 70 | 41 | 7.66103 | 34 | 51.5911 | 4.79345 | 20.11 | 35.32 | | 1.94 |
| 4/3/2001 | | | | | | | 56 | 41 | 6.28786 | 25 | 53.9934 | 3.69945 | 21.09 | 36.86 | | 2.12 |
| 4/4/2001 | | | | | | | 73 | 51 | 12.5426 | 59 | 198.347 | 68.567 | 91.92 | 117.83 | | 65.72 |
| 4/5/2001 | | | | | | | 414 | 157 | 177.874 | 216 | 312.581 | 205.446 | 122.70 | 119.57 | | 43.01 |
| 4/6/2001 | | | | | | | 287 | 81 | 63.539 | 65 | 120.625 | 21.8863 | 58.96 | 84.95 | | 13.61 |
| 4/7/2001 | | | | | | | 176 | 68 | 32.4459 | 33 | 82.5744 | 7.51265 | 36.96 | 69.51 | | 6.99 |
| 4/8/2001 | | | | | | | 121 | 57 | 18.7486 | 23 | 70.1827 | 4.41275 | 29.74 | 54.08 | | 4.33 |
| 4/9/2001 | | | | | | | 95 | 47 | 11.959 | 18 | 59.7323 | 2.97931 | 24.34 | 40.26 | | 2.64 |
| 4/10/2001 | | | | | | | 78 | 42 | 8.86737 | 15 | 58.7089 | 2.31012 | 19.47 | 37.98 | | 2.02 |
| 4/11/2001 | | | | | | | 64 | 39 | 6.751921 | 11 | 59.4381 | 1.82425 | 15.85 | 37.95 | | 1.64 |
| 4/12/2001 | | | | | | | 229 | 188 | 194.434 | 66 | 64.2778 | 11.7225 | 28.63 | 116.79 | | 10.97 |
| 4/13/2001 | | | | | | | 764 | 460 | 1022.4 | 418 | 195.506 | 254.916 | 54.26 | 128.63 | | 19.48 |
| 4/14/2001 | | | | | | | 577 | 376 | 591.224 | 222 | 110.937 | 69.0841 | 57.86 | 98.77 | | 23.68 |
| 4/15/2001 | | | | | | | 5050 | 991 | 14907.4 | 2520 | 800.581 | 6054.78 | 876.02 | 795.55 | | 2742.64 |
| 4/16/2001 | | | | | | | 1440 | 320 | 1334.97 | 641 | 243.083 | 445.503 | 148.82 | 212.47 | | 89.83 |
| 4/17/2001 | | | | | | | 477 | 178 | 237.935 | 103 | 154.107 | 44.7125 | 71.81 | 146.77 | | 28.80 |
| 4/18/2001 | | | | | | | 224 | 109 | 67.4343 | 51 | 114.513 | 15.9509 | 51.17 | 99.70 | | 13.92 |
| 4/19/2001 | | | | | | | 123 | 92 | 30.7489 | 35 | 89.0017 | 8.53952 | 39.88 | 69.73 | | 7.57 |
| 4/20/2001 | | | | | | | 77 | 82 | 17.1275 | 22 | 73.0353 | 4.43076 | 30.88 | 45.98 | | 3.83 |
| 4/21/2001 | | | | | | | 56 | 72 | 11.0108 | 17 | 63.4702 | 2.85721 | 24.78 | 34.94 | | 2.34 |
| 4/22/2001 | | | | | | | 44 | 62 | 7.48802 | 13 | 58.1522 | 2.02041 | 19.29 | 32.48 | | 1.72 |
| 4/23/2001 | | | | | | | 42 | 56 | 6.75363 | 11 | 54.1754 | 1.67676 | 15.88 | 32.23 | | 1.47 |
| 4/24/2001 | | | | | | | 1050 | 380 | 1272.87 | 416 | 200.997 | 224.623 | 68.63 | 81.19 | | 16.83 |
| 4/25/2001 | | | | | | | 356 | 133 | 133.074 | 134 | 103.333 | 40.6653 | 24.45 | 46.48 | | 3.09 |
| 4/26/2001 | | | | | | | 131 | 103 | 36.6257 | 35 | 83.8064 | 7.8938 | 15.07 | 43.26 | | 1.76 |
| 4/27/2001 | | | | | | | 59 | 92 | 14.8574 | 20 | 77.4319 | 4.14912 | 11.95 | 40.04 | | 1.28 |
| 4/28/2001 | | | | | | | 36 | 81 | 7.86416 | 13 | 71.0573 | 2.52561 | 9.49 | 36.82 | | 0.95 |
| 4/29/2001 | | | | | | | 25 | 71 | 4.81965 | 9.1 | 64.6827 | 1.59514 | 7.99 | 33.60 | | 0.73 |
| 4/30/2001 | | | | | | | 18 | 60 | 3.00103 | 6.2 | 58.3081 | 0.98497 | 6.88 | 30.39 | | 0.57 |
| 5/1/2001 | | | | | | | 14 | 53 | 1.96611 | 4.3 | 53.7036 | 0.62449 | 6.35 | 27.68 | | 0.48 |
| 5/2/2001 | | | | | | | 11 | 61 | 1.85234 | 3.3 | 59.289 | 0.53143 | 5.89 | 28.80 | | 0.46 |
| 5/3/2001 | | | | | | | 9.5 | 71 | 1.81738 | 2.1 | 66.5028 | 0.38285 | 4.95 | 30.69 | | 0.41 |
| 5/4/2001 | | | | | | | 7.6 | 81 | 1.66232 | 1.7 | 73.7167 | 0.33144 | 4.63 | 32.59 | | 0.41 |
| 5/5/2001 | | | | | | | 6.3 | 92 | 1.55858 | 1.5 | 80.9306 | 0.3218 | 4.53 | 34.48 | | 0.42 |
| 5/6/2001 | | | | | | | 5.6 | 102 | 1.54866 | 1.3 | 88.1445 | 0.30097 | 4.55 | 36.38 | | 0.44 |
| 5/7/2001 | | | | | | | 5.6 | 112 | 1.69267 | 1.1 | 95.3583 | 0.28233 | 4.28 | 38.27 | | 0.44 |
| 5/8/2001 | | | | | | | 6 | 123 | 2.00297 | 3.8 | 102.572 | 1.06665 | 3.99 | 40.17 | | 0.43 |
| 5/9/2001 | | | | | | | 9.7 | 133 | 3.49801 | 13 | 109.786 | 3.78283 | 4.09 | 42.07 | | 0.47 |
| 5/10/2001 | | | | | | | 10 | 141 | 3.79677 | 8.7 | 115.401 | 2.71369 | 4.54 | 43.51 | | 0.53 |
| 5/11/2001 | | | | | | | 14 | 127 | 4.692 | 2.7 | 111.423 | 0.80236 | 3.98 | 42.05 | | 0.45 |
| 5/12/2001 | | | | | | | 7.1 | 109 | 2.09006 | 0.99 | 105.846 | 0.28512 | 3.56 | 40.06 | | 0.39 |
| 5/13/2001 | | | | | | | 4.6 | 90 | 1.11717 | 0.32 | 100.269 | 0.08777 | 3.40 | 38.07 | | 0.35 |
| 5/14/2001 | | | | | | | 3.4 | 72 | 0.65674 | 0.17 | 94.6929 | 0.04445 | 3.11 | 36.07 | | 0.30 |
| 5/15/2001 | | | | | | | 2.6 | 58 | 0.40746 | 0.12 | 90.9787 | 0.0304 | 3.01 | 34.32 | | 0.28 |
| 5/16/2001 | | | | | | | 2.1 | 58 | 0.3373 | 0.098 | 99.4258 | 0.02615 | 2.91 | 34.27 | | 0.27 |
| 5/17/2001 | | | | | | | 2.3 | 60 | 0.36863 | 0.083 | 110.073 | 0.02471 | 2.73 | 34.56 | | 0.25 |
| 5/18/2001 | | | | | | | 16 | 62 | 2.67582 | 0.046 | 120.721 | 0.01507 | 2.71 | 34.85 | | 0.25 |
| 5/19/2001 | | | | | | | 30 | 64 | 5.2633 | 0.03 | 131.368 | 0.01082 | 2.64 | 35.13 | | 0.25 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/12/2001 | | | | | | | 6.8 | 51 | 0.9359701 | 0.13 | 40.8445 | 0.01403 | 37.22 | 118.91 | | 30.06 |
| 7/13/2001 | | | | | | | 27 | 53 | 3.856 | 0.34 | 40.4672 | 0.03686 | 9.19 | 71.07 | | 2.07 |
| 7/14/2001 | | | | | | | 20 | 54 | 2.93482 | 0.068 | 40.0899 | 0.00742 | 3.05 | 54.93 | | 0.45 |
| 7/15/2001 | | | | | | | 18 | 56 | 2.66296 | 0.024 | 39.7126 | 0.0026 | 2.10 | 51.17 | | 0.29 |
| 7/16/2001 | | | | | | | 13 | 57 | 2.01876 | 0.014 | 39.3353 | 0.00149 | 1.82 | 47.41 | | 0.24 |
| 7/17/2001 | | | | | | | 9.5 | 60 | 1.5289 | 0.013 | 39.5348 | 0.0014 | 1.71 | 44.54 | | 0.21 |
| 7/18/2001 | | | | | | | 7.1 | 64 | 1.23338 | 0.011 | 42.0128 | 0.00129 | 1.67 | 45.40 | | 0.21 |
| 7/19/2001 | | | | | | | 5.3 | 70 | 0.98775 | 0.005 | 44.7244 | 0 | 1.51 | 46.69 | | 0.19 |
| 7/20/2001 | | | | | | | 3.9 | 75 | 0.77847 | 0.003 | 47.436 | 0 | 1.42 | 47.97 | | 0.18 |
| 7/21/2001 | | | | | | | 4.8 | 80 | 1.03576 | 0.007 | 50.1476 | 0 | 1.78 | 49.26 | | 0.24 |
| 7/22/2001 | | | | | | | 17 | 85 | 3.89358 | 0.007 | 52.8592 | 0 | 2.36 | 50.54 | | 0.32 |
| 7/23/2001 | | | | | | | 8.1 | 90 | 1.9658 | 0.002 | 55.5708 | 0 | 1.54 | 51.82 | | 0.21 |
| 7/24/2001 | | | | | | | 4.6 | 94 | 1.16442 | 0.002 | 58.36551 | 0 | 1.38 | 53.11 | | 0.20 |
| 7/25/2001 | | | | | | | 3.9 | 89 | 0.94455 | 0.003 | 61.4965 | 0 | 1.27 | 54.42 | | 0.18 |
| 7/26/2001 | | | | | | | 3.1 | 82 | 0.68633 | 0.001 | 64.6631 | 0 | 1.13 | 55.73 | | 0.17 |
| 7/27/2001 | | | | | | | 2.4 | 76 | 0.50288 | 0.001 | 67.8298 | 0 | 1.15 | 57.04 | | 0.18 |
| 7/28/2001 | | | | | | | 2 | 70 | 0.38141 | 0.001 | 70.9082 | 0 | 11.48 | 78.95 | | 6.03 |
| 7/29/2001 | | | | | | | 2.8 | 64 | 0.48298 | 0.001 | 71 | 0 | 7.26 | 86.72 | | 2.02 |
| 7/30/2001 | | | | | | | 3 | 58 | 0.47366 | 0.001 | 72 | 0 | 1.97 | 64.40 | | 0.34 |
| 7/31/2001 | | | | | | | 2.5 | 57 | 0.38085 | 0.001 | 72.7003 | 0 | 1.74 | 61.71 | | 0.29 |
| 8/1/2001 | | | | | | | 2.1 | 56 | 0.31446 | 0.005 | 70.8627 | 0 | 2.72 | 60.53 | | 0.45 |
| 8/2/2001 | | | | | | | 1.6 | 55 | 0.2399 | 0.27 | 67.9459 | 0.04892 | 1.29 | 59.34 | | 0.20 |
| 8/3/2001 | | | | | | | 1.2 | 54 | 0.17864 | 0.12 | 65.0292 | 0.02164 | 1.12 | 58.15 | | 0.18 |
| 8/4/2001 | | | | | | | 1.1 | 53 | 0.16181 | 0.17 | 62.1125 | 0.0287 | 1.01 | 56.96 | | 0.16 |
| 8/5/2001 | | | | | | | 0.95 | 51 | 0.13204 | 0.14 | 59.1957 | 0.02286 | 1.20 | 55.78 | | 0.18 |
| 8/6/2001 | | | | | | | 0.79 | 50 | 0.10697 | 0.1 | 56.279 | 0.01548 | 2.65 | 54.59 | | 0.39 |
| 8/7/2001 | | | | | | | 0.96 | 49 | 0.12715 | 0.24 | 53.3623 | 0.0349 | 2.47 | 53.40 | | 0.36 |
| 8/8/2001 | | | | | | | 1 | 54 | 0.15128 | 0.97 | 78.6934 | 0.8100399 | 1.47 | 52.44 | | 0.21 |
| 8/9/2001 | | | | | | | 470 | 745 | 1308.38 | 374 | 1212.88 | 1605.73 | 34.82 | 251.40 | | 48.38 |
| 8/10/2001 | | | | | | | 468 | 527 | 668.955 | 299 | 635.039 | 525.426 | 5.86 | 169.96 | | 2.55 |
| 8/11/2001 | | | | | | | 259 | 310 | 231.936 | 62 | 246.378 | 47.2628 | 2.89 | 87.98 | | 0.71 |
| 8/12/2001 | | | | | | | 109 | 151 | 47.4366 | 16 | 88.1714 | 3.87088 | 2.13 | 51.59 | | 0.30 |
| 8/13/2001 | | | | | | | 183 | 322 | 169.2 | 82 | 198.921 | 62.98809 | 6.96 | 57.49 | | 1.82 |
| 8/14/2001 | | | | | | | 239 | 297 | 222.841 | 90 | 172.171 | 60.3632 | 2.84 | 50.27 | | 0.39 |
| 8/15/2001 | | | | | | | 61 | 113 | 19.3451 | 15 | 79.4985 | 3.39363 | 1.66 | 45.40 | | 0.20 |
| 8/16/2001 | | | | | | | 17 | 102 | 4.75178 | 4.3 | 74.7428 | 0.86292 | 1.36 | 45.00 | | 0.16 |
| 8/17/2001 | | | | | | | 4.8 | 98 | 1.27469 | 0.97 | 73.6043 | 0.19267 | 1.22 | 45.00 | | 0.15 |
| 8/18/2001 | | | | | | | 2.5 | 94 | 0.62755 | 3.8 | 72.4658 | 0.7459 | 1.32 | 45.00 | | 0.16 |
| 8/19/2001 | | | | | | | 3.4 | 99 | 1.25754 | 58 | 255.623 | 164.556 | 4.14 | 52.35 | | 0.81 |
| 8/20/2001 | | | | | | | 153 | 400 | 164.794 | 98 | 365.892 | 130.468 | 2.80 | 77.37 | | 0.59 |
| 8/21/2001 | | | | | | | 66 | 232 | 42.5572 | 14 | 162.8 | 6.65473 | 1.46 | 77.87 | | 0.30 |
| 8/22/2001 | | | | | | | 25 | 169 | 11.6615 | 4 | 113.975 | 1.27266 | 1.31 | 79.61 | | 0.28 |
| 8/23/2001 | | | | | | | 11 | 137 | 4.11444 | 1.1 | 81.9381 | 0.251 | 1.23 | 81.34 | | 0.27 |
| 8/24/2001 | | | | | | | 5 | 117 | 1.60978 | 2.2 | 58.2024 | 0.32879 | 1.07 | 83.07 | | 0.24 |
| 8/25/2001 | | | | | | | 2.6 | 103 | 0.73385 | 0.18 | 48.5567 | 0.02337 | 1.00 | 84.80 | | 0.23 |
| 8/26/2001 | | | | | | | 1.4 | 97 | 0.36976 | 0.045 | 46.3635 | 0.00567 | 0.95 | 86.53 | | 0.22 |
| 8/27/2001 | | | | | | | 1.3 | 91 | 0.31053 | 0.03 | 44.1703 | 0.00352 | 0.96 | 88.26 | | 0.23 |
| 8/28/2001 | | | | | | | 18 | 85 | 4.21107 | 0.72 | 43.3093 | 0.08376 | 1.17 | 89.03 | | 0.28 |
| 8/29/2001 | | | | | | | 20 | 86 | 4.57239 | 19 | 133.962 | 10.9977 | 1.30 | 83.85 | | 0.29 |
| 8/30/2001 | | | | | | | 33 | 88 | 7.80398 | 12 | 101.625 | 3.44025 | 2.08 | 77.66 | | 0.44 |
| 8/31/2001 | | | | | | | 64 | 148 | 38.7094 | 51 | 208.117 | 47.8465 | 2.41 | 71.47 | | 0.46 |
| 9/1/2001 | | | | | | | 198 | 146 | 82.0247 | 57 | 172.401 | 28.5377 | 2.90 | 65.28 | | 0.51 |
| 9/2/2001 | | | | | | | 558 | 313 | 687.556 | 333 | 936.671 | 1300 | 59.89 | 228.13 | | 70.79 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/26/2001 | | | | | | | 5.35625 | 50.5799 | 0.73212 | 0.2597396 | 50.6585 | 0.03581 | 1.31 | 84.94 | 0.30 |
| 10/27/2001 | | | | | | | 4.847917 | 49.1449 | 0.64234 | 0.2420312 | 49.1951 | 0.03219 | 1.01 | 88.07 | 0.25 |
| 10/28/2001 | | | | | | | 4.027083 | 47.71 | 0.51902 | 0.2591667 | 47.7317 | 0.03339 | 0.99 | 91.20 | 0.25 |
| 10/29/2001 | | | | | | | 3.475 | 46.275 | 0.43812 | 0.2613541 | 46.2682 | 0.0327 | 0.99 | 94.33 | 0.26 |
| 10/30/2001 | | | | | | | 3.171354 | 44.84 | 0.38502 | 0.2684896 | 44.8048 | 0.03255 | 0.97 | 97.46 | 0.26 |
| 10/31/2001 | | | | | | | 3.021875 | 43.405 | 0.3529 | 0.365625 | 43.3414 | 0.04326 | 0.99 | 100.59 | 0.27 |
| 11/1/2001 | | | | | | | 2.973958 | 42.0026 | 0.33709 | 0.129625 | 42.3286 | 0.01474 | 1.00 | 101.40 | 0.28 |
| 11/2/2001 | | | | | | | 2.938021 | 40.78 | 0.32398 | 0.2466667 | 43.2839 | 0.0289 | 1.04 | 91.57 | 0.26 |
| 11/3/2001 | | | | | | | 2.838542 | 39.585 | 0.30558 | 0.2548958 | 44.4691 | 0.03084 | 1.05 | 80.41 | 0.23 |
| 11/4/2001 | | | | | | | 2.778646 | 38.39 | 0.28669 | 0.4864583 | 45.6543 | 0.06015 | 1.11 | 69.25 | 0.21 |
| 11/5/2001 | | | | | | | 2.684896 | 37.195 | 0.26818 | 0.6745312 | 46.8395 | 0.08551 | 1.15 | 58.09 | 0.18 |
| 11/6/2001 | | | | | | | 2.624479 | 36.0771 | 0.2557 | 0.3439063 | 47.8835 | 0.04442 | 1.26 | 47.83 | 0.16 |
| 11/7/2001 | | | | | | | 2.546875 | 35.4225 | 0.24372 | 1.519219 | 48.1478 | 0.19754 | 1.08 | 45.33 | 0.13 |
| 11/8/2001 | | | | | | | 2.658333 | 34.8451 | 0.24845 | 2.1 | 48.2927 | 0.19633 | 1.01 | 44.59 | 0.12 |
| 11/9/2001 | | | | | | | 2.74375 | 34.2676 | 0.25237 | 0.1731042 | 48.4376 | 0.0225 | 1.04 | 43.86 | 0.12 |
| 11/10/2001 | | | | | | | 2.745833 | 33.6902 | 0.2487 | 0.3430208 | 48.5824 | 0.04505 | 1.00 | 43.13 | 0.12 |
| 11/11/2001 | | | | | | | 2.800521 | 33.1127 | 0.25035 | 0.4448437 | 48.7273 | 0.05893 | 1.07 | 42.39 | 0.12 |
| 11/12/2001 | | | | | | | 2.798437 | 32.5353 | 0.24474 | 0.5634896 | 48.8722 | 0.07456 | 1.06 | 41.66 | 0.12 |
| 11/13/2001 | | | | | | | 2.700521 | 33.1545 | 0.24009 | 0.7438542 | 49.0988 | 0.09869999 | 1.14 | 41.32 | 0.13 |
| 11/14/2001 | | | | | | | 2.740625 | 39.2038 | 0.29188 | 1.267031 | 49.6404 | 0.17111 | 1.24 | 42.58 | 0.14 |
| 11/15/2001 | | | | | | | 2.96875 | 45.9181 | 0.36776 | 2.551563 | 50.2133 | 0.34682 | 1.25 | 44.01 | 0.15 |
| 11/16/2001 | | | | | | | 3.130729 | 52.6324 | 0.4448 | 1.839583 | 50.7861 | 0.25185 | 1.26 | 45.44 | 0.15 |
| 11/17/2001 | | | | | | | 3.270313 | 59.3467 | 0.52663 | 1.257292 | 51.359 | 0.17259 | 1.28 | 46.87 | 0.16 |
| 11/18/2001 | | | | | | | 3.688542 | 66.061 | 0.66377 | 1.508333 | 51.9318 | 0.20881 | 1.30 | 48.30 | 0.17 |
| 11/19/2001 | | | | | | | 3.911458 | 72.7752 | 0.77279 | 1.621354 | 52.5047 | 0.22634 | 1.27 | 49.73 | 0.17 |
| 11/20/2001 | | | | | | | 3.761458 | 78.374 | 0.80176 | 1.955729 | 53.1207 | 0.28133 | 1.30 | 50.89 | 0.18 |
| 11/21/2001 | | | | | | | 3.506771 | 78.9108 | 0.75329 | 2.093229 | 53.8932 | 0.30677 | 1.37 | 51.00 | 0.19 |
| 11/22/2001 | | | | | | | 3.313021 | 78.8277 | 0.71351 | 2.139062 | 54.6799 | 0.31817 | 1.43 | 51.00 | 0.20 |
| 11/23/2001 | | | | | | | 3.313021 | 78.7446 | 0.7125 | 2.068229 | 55.4666 | 0.3132 | 1.54 | 51.00 | 0.21 |
| 11/24/2001 | | | | | | | 4.571875 | 78.6615 | 0.97258 | 4.30625 | 56.2533 | 0.65441 | 3.39 | 51.00 | 0.47 |
| 11/25/2001 | | | | | | | 8.6125 | 78.5784 | 1.82662 | 5.454688 | 57.04 | 0.84078 | 2.32 | 51.00 | 0.32 |
| 11/26/2001 | | | | | | | 7.871875 | 78.4952 | 1.66553 | 1.321354 | 72.6734 | 0.24278 | 1.58 | 51.00 | 0.22 |
| 11/27/2001 | | | | | | | 123.6411 | 108.598 | 43.8567 | 34.53333 | 431.648 | 48.0572 | 42.55 | 296.83 | 56.89 |
| 11/28/2001 | | | | | | | 560.0469 | 396.134 | 737.707 | 91.3125 | 152.053 | 35.8737 | 11.18 | 99.10 | 2.88 |
| 11/29/2001 | | | | | | | 5738.734 | 1252.53 | 23097.4 | 3823.219 | 758.464 | 8480.76 | 2092.40 | 1012.49 | 9346.99 |
| 11/30/2001 | | | | | | | 7481.458 | 438.013 | 9934.97 | 3426.562 | 271.23 | 2840.74 | 179.34 | 367.90 | 200.44 |
| 12/1/2001 | | | | | | | 1461.068 | 200.188 | 847.036 | 551.9427 | 147.711 | 238.327 | 75.35 | 156.56 | 32.36 |
| 12/2/2001 | | | | | | | 426.0729 | 95.9704 | 117.231 | 66.27604 | 107.631 | 19.6231 | 45.84 | 100.58 | 12.72 |
| 12/3/2001 | | | | | | | 194.5156 | 63.009 | 33.1556 | 38.70312 | 80.0758 | 8.41904 | 28.88 | 78.25 | 6.09 |
| 12/4/2001 | | | | | | | 102.5885 | 60.6478 | 16.8175 | 24.17188 | 76.2866 | 5.00098 | 18.66 | 75.16 | 3.84 |
| 12/5/2001 | | | | | | | 66.38541 | 58.2867 | 10.4498 | 17.25521 | 74.7646 | 3.47817 | 14.61 | 72.06 | 2.83 |
| 12/6/2001 | | | | | | | 49.60417 | 55.9341 | 7.49834 | 12.91146 | 73.2427 | 2.55993 | 12.10 | 68.97 | 2.24 |
| 12/7/2001 | | | | | | | 42.94271 | 54.4579 | 6.31758 | 12.14062 | 71.7207 | 2.37833 | 11.53 | 65.88 | 2.06 |
| 12/8/2001 | | | | | | | 54.42188 | 53.5663 | 7.848041 | 21.5625 | 70.1988 | 4.08746 | 12.09 | 62.79 | 2.05 |
| 12/9/2001 | | | | | | | 73.53646 | 52.6747 | 10.4607 | 30.65104 | 68.6768 | 5.67794 | 10.40 | 59.70 | 1.68 |
| 12/10/2001 | | | | | | | 57.07812 | 51.7831 | 7.96762 | 21.25 | 67.1548 | 3.85148 | 8.61 | 56.60 | 1.31 |
| 12/11/2001 | | | | | | | 44.32292 | 50.8915 | 6.09727 | 15.26562 | 65.6329 | 2.71101 | 7.73 | 53.51 | 1.12 |
| 12/12/2001 | | | | | | | 113.0885 | 120.575 | 94.6977 | 66.78125 | 267.063 | 114.396 | 12.00 | 48.95 | 1.47 |
| 12/13/2001 | | | | | | | 4485.531 | 1534.57 | 22571 | 2968.109 | 1168.71 | 12433.9 | 2399.27 | 1058.75 | 11170.00 |
| 12/14/2001 | | | | | | | 9160.052 | 831.795 | 21406.8 | 5208.75 | 832.0369 | 12597.4 | 1106.28 | 543.11 | 3617.22 |
| 12/15/2001 | | | | | | | 2554.219 | 352.962 | 2373.69 | 993.7135 | 300.393 | 953.808 | 57.29 | 105.81 | 17.08 |
| 12/16/2001 | | | | | | | 499.9218 | 184.014 | 273.62 | 116.1875 | 126.41 | 40.6839 | 25.32 | 71.02 | 4.93 |
| 12/17/2001 | | | | | | | 1002.828 | 688.581 | 2345.55 | 666.4375 | 573.487 | 1378.9 | 145.72 | 467.85 | 272.59 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2002 | | | | | | | 213.6094 | 134.369 | 78.3347 | 69.21875 | 126.263 | 23.7124 | 67.93 | 78.79 | 14.46 |
| 2/10/2002 | | | | | | | 143.0469 | 99.5073 | 38.7314 | 45.1875 | 103.623 | 12.7291 | 55.29 | 70.99 | 10.59 |
| 2/11/2002 | | | | | | | 102.276 | 74.3149 | 20.5946 | 34.19271 | 85.3352 | 7.90687 | 42.69 | 63.20 | 7.30 |
| 2/12/2002 | | | | | | | 79.82291 | 63.4547 | 13.7132 | 26.17708 | 78.527 | 5.54933 | 36.70 | 55.40 | 5.51 |
| 2/13/2002 | | | | | | | 64.61459 | 52.7273 | 9.22541 | 20.38021 | 72.3793 | 3.98472 | 31.77 | 47.61 | 4.07 |
| 2/14/2002 | | | | | | | 52.3125 | 43.5426 | 6.14971 | 15.79167 | 66.904 | 2.84963 | 27.56 | 41.43 | 3.12 |
| 2/15/2002 | | | | | | | 45.46354 | 43.6134 | 5.35641 | 13.33854 | 63.9577 | 2.31968 | 26.01 | 40.78 | 2.86 |
| 2/16/2002 | | | | | | | 41.1875 | 45.2268 | 5.05539 | 12.07292 | 61.2535 | 1.99302 | 24.01 | 40.58 | 2.61 |
| 2/17/2002 | | | | | | | 35.63542 | 46.8403 | 4.49562 | 10.50156 | 58.54919 | 1.64486 | 20.94 | 40.39 | 2.31 |
| 2/18/2002 | | | | | | | 30.39062 | 48.4537 | 3.97656 | 8.908333 | 55.845 | 1.3503 | 18.66 | 40.20 | 2.05 |
| 2/19/2002 | | | | | | | 27.41146 | 50.0886 | 3.70266 | 8.532812 | 53.9935 | 1.2473 | 19.34 | 44.78 | 2.57 |
| 2/20/2002 | | | | | | | 1002.12 | 439.015 | 1426.41 | 631.4167 | 262.524 | 496.158 | 262.05 | 286.37 | 274.90 |
| 2/21/2002 | | | | | | | 431.8802 | 133.609 | 173.391 | 211.8177 | 145.926 | 87.4407 | 72.69 | 88.95 | 17.91 |
| 2/22/2002 | | | | | | | 193.8906 | 51.1558 | 26.768 | 62.51042 | 115.398 | 19.6179 | 45.43 | 65.13 | 8.00 |
| 2/23/2002 | | | | | | | 110.9167 | 51.3245 | 15.3597 | 36.57292 | 93.854 | 9.36992 | 35.05 | 61.63 | 5.85 |
| 2/24/2002 | | | | | | | 74.5 | 51.4932 | 10.3549 | 25.48438 | 83.1663 | 5.74855 | 29.15 | 58.13 | 4.57 |
| 2/25/2002 | | | | | | | 57.94792 | 51.6619 | 8.05454 | 19.45833 | 76.7937 | 4.04358 | 40.30 | 54.63 | 5.92 |
| 2/26/2002 | | | | | | | 57.64583 | 51.8306 | 8.03672 | 23.85417 | 70.4211 | 4.53288 | 33.70 | 51.13 | 4.67 |
| 2/27/2002 | | | | | | | 48.40104 | 51.9537 | 6.77731 | 20.71354 | 64.8668 | 3.65738 | 21.83 | 47.92 | 2.85 |
| 2/28/2002 | | | | | | | 38.44792 | 51.7991 | 5.37948 | 17 | 62.137 | 2.76182 | 19.38 | 45.85 | 2.43 |
| 3/1/2002 | | | | | | | 32.76042 | 51.5976 | 4.57516 | 14.32812 | 59.646 | 2.32832 | 18.53 | 43.91 | 2.23 |
| 3/2/2002 | | | | | | | 31.19271 | 51.396 | 4.3338 | 13 | 57.155 | 1.99285 | 17.89 | 41.96 | 2.06 |
| 3/3/2002 | | | | | | | 29.40625 | 51.1945 | 4.07636 | 11.75 | 54.664 | 1.72893 | 15.72 | 40.02 | 1.70 |
| 3/4/2002 | | | | | | | 23.65625 | 51.0227 | 3.25246 | 9.747396 | 52.637 | 1.3852 | 13.49 | 38.34 | 1.40 |
| 3/5/2002 | | | | | | | 20.84375 | 51.007 | 2.86805 | 9.022917 | 54.3399 | 1.32947 | 13.91 | 38.49 | 1.45 |
| 3/6/2002 | | | | | | | 19.86979 | 51.0138 | 2.72345 | 8.852083 | 56.8544 | 1.36492 | 13.03 | 39.00 | 1.38 |
| 3/7/2002 | | | | | | | 24.9375 | 51.0207 | 3.43324 | 10.56406 | 59.369 | 1.69054 | 14.00 | 39.50 | 1.50 |
| 3/8/2002 | | | | | | | 35.58333 | 51.0275 | 4.885 | 10.83854 | 61.8835 | 1.7643 | 13.00 | 40.01 | 1.40 |
| 3/9/2002 | | | | | | | 75.33854 | 51.0343 | 10.3805 | 41.86979 | 64.3981 | 7.32249 | 58.00 | 59.62 | 9.40 |
| 3/10/2002 | | | | | | | 102.1615 | 51.0412 | 14.0744 | 58.94271 | 66.9126 | 10.6212 | 38.00 | 45.00 | 4.60 |
| 3/11/2002 | | | | | | | 68.875 | 51.048 | 9.49749 | 29.22917 | 69.4271 | 5.48549 | 26.00 | 42.00 | 3.20 |
| 3/12/2002 | | | | | | | 925.5885 | 404.513 | 1316.93 | 634.6771 | 272.499 | 551.748 | 296.97 | 389.29 | 402.89 |
| 3/13/2002 | | | | | | | 603.7292 | 229.476 | 406.358 | 330.8958 | 151.365 | 142.687 | 113.75 | 112.99 | 35.56 |
| 3/14/2002 | | | | | | | 277.7552 | 137.998 | 105.077 | 99.35938 | 106.403 | 29.017 | 71.79 | 85.38 | 16.57 |
| 3/15/2002 | | | | | | | 151.8229 | 100.905 | 41.9413 | 54.55208 | 90.6289 | 13.3918 | 51.96 | 69.24 | 9.77 |
| 3/16/2002 | | | | | | | 2536.974 | 1877.27 | 16896.6 | 1374.609 | 1117.59 | 5433.41 | 305.43 | 195.52 | 225.36 |
| 3/17/2002 | | | | | | | 1677.708 | 732.895 | 3485.81 | 986.8542 | 501.999 | 1425.99 | 576.60 | 607.61 | 2812.95 |
| 3/18/2002 | | | | | | | 1660.187 | 666.89 | 3300.06 | 899.5573 | 337.267 | 886.372 | 474.18 | 524.98 | 954.06 |
| 3/19/2002 | | | | | | | 640.7031 | 172.392 | 317.083 | 272.599 | 145.669 | 116.861 | 163.86 | 253.10 | 113.47 |
| 3/20/2002 | | | | | | | 1650.745 | 788.711 | 5734.31 | 952.9792 | 427.003 | 1957.51 | 936.41 | 685.04 | 3691.25 |
| 3/21/2002 | | | | | | | 2923.385 | 656.858 | 6172.12 | 1528.339 | 371.558 | 1738.47 | 540.40 | 419.94 | 1039.58 |
| 3/22/2002 | | | | | | | 797.5521 | 282.583 | 646.471 | 383.5521 | 167.183 | 212.491 | 146.19 | 132.13 | 53.03 |
| 3/23/2002 | | | | | | | 353.3646 | 140.862 | 139.919 | 84.28125 | 100.936 | 23.2614 | 101.52 | 96.49 | 26.50 |
| 3/24/2002 | | | | | | | 207.474 | 87.5218 | 49.1852 | 46.90104 | 89.7746 | 11.3978 | 77.40 | 79.81 | 16.77 |
| 3/25/2002 | | | | | | | 134.5885 | 80.4027 | 29.2619 | 33.31771 | 85.1413 | 7.66557 | 59.89 | 71.31 | 11.53 |
| 3/26/2002 | | | | | | | 248.2083 | 222.206 | 173.808 | 217.2865 | 235.483 | 155.688 | 140.65 | 199.45 | 82.41 |
| 3/27/2002 | | | | | | | 246.1094 | 165.075 | 113.149 | 138.9323 | 169.936 | 68.1472 | 83.07 | 142.21 | 32.20 |
| 3/28/2002 | | | | | | | 152.5208 | 127.864 | 52.7997 | 55.19271 | 109.544 | 16.4922 | 58.63 | 116.89 | 18.58 |
| 3/29/2002 | | | | | | | 104.6458 | 115.729 | 32.7478 | 33.42708 | 95.7063 | 8.62523 | 44.66 | 93.32 | 11.28 |
| 3/30/2002 | | | | | | | 2070.068 | 1158.77 | 8301.42 | 1290.76 | 538.636 | 2204.38 | 908.26 | 736.37 | 2034.79 |
| 3/31/2002 | | | | | | | 4846.823 | 922.936 | 12766.6 | 2537.031 | 503.363 | 3510.48 | 1410.97 | 1034.70 | 5314.50 |
| 4/1/2002 | | | | | | | 1875.083 | 331.564 | 1820.32 | 1096.146 | 213.44 | 666.265 | 215.67 | 250.58 | 153.15 |
| 4/2/2002 | | | | | | | 568.4271 | 141.998 | 227.32 | 169.0208 | 123.164 | 59.36169 | 128.03 | 155.71 | 54.12 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/26/2002 | | | | | | | 5 | 44 | 0.59 | 5.475521 | 59.7006 | 0.88178 | 9.49 | 45.84 | 1.38 |
| 5/27/2002 | | | | | | | 100 | 44 | 12 | 33.90937 | 110.095 | 19.6991 | 5.06 | 54.84 | 0.74 |
| 5/28/2002 | | | | | | | 200 | 51.8199 | 28 | 13.07917 | 104.41 | 3.63368 | 4.57 | 61.40 | 0.75 |
| 5/29/2002 | | | | | | | 174 | 239.893 | 117.389 | 25.10938 | 495.088 | 32.0581 | 4.97 | 67.12 | 0.90 |
| 5/30/2002 | | | | | | | 83 | 190.413 | 42.8116 | 16.25781 | 201.268 | 9.64176 | 4.30 | 67.67 | 0.78 |
| 5/31/2002 | | | | | | | 37 | 171.457 | 17.4289 | 9.519271 | 170.234 | 4.44277 | 5.74 | 67.34 | 1.04 |
| 6/1/2002 | | | | | | | 19 | 152.501 | 7.64882 | 6.269271 | 127.489 | 2.16431 | 3.69 | 67.02 | 0.67 |
| 6/2/2002 | | | | | | | 9.4 | 133.545 | 3.4 | 4.739062 | 109.861 | 1.40871 | 3.18 | 66.69 | 0.57 |
| 6/3/2002 | | | | | | | 4.5 | 114.588 | 1.4 | 3.204688 | 92.2968 | 0.80766 | 2.79 | 66.36 | 0.50 |
| 6/4/2002 | | | | | | | 2.9 | 96.5642 | 0.7704501 | 1.984896 | 76.5594 | 0.41172 | 2.57 | 66.07 | 0.46 |
| 6/5/2002 | | | | | | | 2.2 | 88.9767 | 0.52924 | 1.649479 | 73.8418 | 0.32608 | 2.39 | 66.17 | 0.43 |
| 6/6/2002 | | | | | | | 2 | 84.3046 | 0.44897 | 1.723958 | 73.6768 | 0.34296 | 2.32 | 66.36 | 0.42 |
| 6/7/2002 | | | | | | | 1.8 | 79.6325 | 0.39217 | 0.5593229 | 73.5118 | 0.11119 | 2.16 | 66.55 | 0.39 |
| 6/8/2002 | | | | | | | 17 | 74.9604 | 3.30191 | 0.33125 | 73.3467 | 0.06543 | 2.07 | 66.74 | 0.37 |
| 6/9/2002 | | | | | | | 28 | 70.2883 | 5.37075 | 0.2704687 | 73.1817 | 0.05379 | 2.19 | 66.93 | 0.40 |
| 6/10/2002 | | | | | | | 225 | 239 | 403 | 298.0629 | 214.771 | 388.488 | 12.76 | 113.54 | 6.55 |
| 6/11/2002 | | | | | | | 196.1042 | 314.477 | 199.112 | 95.4375 | 242.094 | 67.7985 | 2.90 | 117.59 | 0.94 |
| 6/12/2002 | | | | | | | 38 | 122.486 | 13 | 10.93906 | 186.171 | 5.73129 | 2.32 | 96.78 | 0.61 |
| 6/13/2002 | | | | | | | 12.2875 | 100.981 | 3.35432 | 5.628646 | 122.513 | 1.89661 | 2.20 | 89.41 | 0.53 |
| 6/14/2002 | | | | | | | 5.7 | 94.6257 | 1.46507 | 8.995313 | 151.531 | 4.40733 | 2.62 | 82.04 | 0.58 |
| 6/15/2002 | | | | | | | 3.9 | 88.2697 | 0.9238601 | 4.311979 | 91.3806 | 1.14076 | 2.11 | 74.67 | 0.43 |
| 6/16/2002 | | | | | | | 2.298437 | 81.9136 | 0.50898 | 1.370833 | 69.2351 | 0.2555 | 1.83 | 67.30 | 0.34 |
| 6/17/2002 | | | | | | | 1.871354 | 75.5576 | 0.38175 | 0.7822396 | 63.167 | 0.13444 | 1.73 | 59.92 | 0.28 |
| 6/18/2002 | | | | | | | 1.5 | 69.2015 | 0.28 | 0.4747917 | 57.0989 | 0.07364 | 1.60 | 52.55 | 0.23 |
| 6/19/2002 | | | | | | | 1.4 | 63.409 | 0.24 | 0.4820312 | 51.5583 | 0.06755 | 1.46 | 46.37 | 0.18 |
| 6/20/2002 | | | | | | | 1.3 | 60.6888 | 0.2181 | 0.4315104 | 47.7738 | 0.05596999 | 1.67 | 44.91 | 0.20 |
| 6/21/2002 | | | | | | | 1.1 | 58.4325 | 0.17142 | 0.3232292 | 44.1296 | 0.03849 | 1.41 | 43.92 | 0.16 |
| 6/22/2002 | | | | | | | 1.2 | 56.1761 | 0.18 | 0.4855729 | 40.4855 | 0.05280999 | 1.34 | 42.94 | 0.15 |
| 6/23/2002 | | | | | | | 1.4 | 53.9198 | 0.2 | 0.3436458 | 36.8413 | 0.03467 | 2.85 | 41.95 | 0.32 |
| 6/24/2002 | | | | | | | 42 | 81.1603 | 23.0091 | 7.391667 | 33.1972 | 0.63865 | 65.09 | 146.22 | 118.82 |
| 6/25/2002 | | | | | | | 128.901 | 128.649 | 59.8618 | 23.52396 | 68.2795 | 43.3023 | 9.46 | 116.53 | 3.40 |
| 6/26/2002 | | | | | | | 956.901 | 984.1671 | 3230.84 | 536.9011 | 924.995 | 1534.75 | 1.89 | 97.49 | 0.50 |
| 6/27/2002 | | | | | | | 303.1667 | 168.454 | 149.884 | 47.98438 | 396.246 | 59.4142 | 1.35 | 88.66 | 0.32 |
| 6/28/2002 | | | | | | | 142 | 95.6702 | 36.9092 | 11.77656 | 176.952 | 5.83835 | 1.22 | 80.73 | 0.26 |
| 6/29/2002 | | | | | | | 71 | 89.4155 | 17.1387 | 11.14115 | 116.475 | 3.41966 | 1.18 | 72.81 | 0.23 |
| 6/30/2002 | | | | | | | 74 | 83.1608 | 16.5921 | 10.19479 | 96.5214 | 2.70175 | 1.52 | 64.88 | 0.26 |
| 7/1/2002 | | | | | | | 57 | 76.9061 | 11.9107 | 5.383333 | 76.5679 | 1.14865 | 1.27 | 56.95 | 0.19 |
| 7/2/2002 | | | | | | | 58 | 93.2849 | 43 | 120.2562 | 134.267 | 164.145 | 206.19 | 365.20 | 1205.90 |
| 7/3/2002 | | | | | | | 708.9011 | 318.839 | 732.589 | 184.3854 | 170.485 | 120.721 | 75.69 | 215.92 | 125.26 |
| 7/4/2002 | | | | | | | 263.0312 | 168.594 | 119.46 | 44.30208 | 93.6043 | 15.8612 | 10.46 | 55.13 | 2.38 |
| 7/5/2002 | | | | | | | 180.9635 | 145.356 | 72.2385 | 33.20833 | 94.9925 | 8.74552 | 4.91 | 67.52 | 0.89 |
| 7/6/2002 | | | | | | | 61.19792 | 122.118 | 20.475 | 7.206771 | 81.3901 | 1.60131 | 1.88 | 68.15 | 0.35 |
| 7/7/2002 | | | | | | | 29 | 98.8799 | 7.74746 | 2.599479 | 67.7878 | 0.48518 | 1.39 | 68.78 | 0.25 |
| 7/8/2002 | | | | | | | 15 | 75.6417 | 3.08633 | 1.089115 | 54.1854 | 0.16095 | 1.11 | 69.41 | 0.21 |
| 7/9/2002 | | | | | | | 7.6 | 55.075 | 1.14485 | 0.6123437 | 43.1229 | 0.07162 | 1.02 | 69.36 | 0.19 |
| 7/10/2002 | | | | | | | 4.7 | 51.7028 | 0.66078 | 0.4184896 | 42.3466 | 0.04795 | 0.99 | 66.14 | 0.18 |
| 7/11/2002 | | | | | | | 3.5 | 51.4004 | 0.48533 | 0.2988542 | 42.6606 | 0.03441 | 0.96 | 62.53 | 0.16 |
| 7/12/2002 | | | | | | | 638.9036 | 316.124 | 1527.58 | 408.8995 | 261.498 | 675.345 | 93.95 | 184.18 | 178.43 |
| 7/13/2002 | | | | | | | 596.875 | 230.017 | 491.242 | 115.375 | 154.511 | 56.8346 | 13.75 | 77.49 | 3.27 |
| 7/14/2002 | | | | | | | 354 | 148.382 | 185.538 | 130.2552 | 149.375 | 73.7347 | 15.81 | 79.51 | 9.41 |
| 7/15/2002 | | | | | | | 340 | 201.789 | 185 | 43.38542 | 114.326 | 14.3165 | 34.27 | 102.24 | 13.25 |
| 7/16/2002 | | | | | | | 120 | 147.56 | 48 | 15.15625 | 73.4492 | 3.03866 | 4.31 | 75.71 | 0.89 |
| 7/17/2002 | | | | | | | 56 | 93.3326 | 14 | 9.508333 | 58.67419 | 1.51158 | 2.62 | 61.93 | 0.44 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/9/2002 | | | | | | | 1.706771 | 50.4475 | 0.23148 | 0.02436459 | 38 | 0.00252 | 0.39 | 39.75 | 0.04 |
| 9/10/2002 | | | | | | | 1.675 | 56.1003 | 0.2533 | 0.01675521 | 38.1713 | 0.00174 | 0.42 | 38.35 | 0.04 |
| 9/11/2002 | | | | | | | 1.622917 | 61.4395 | 0.26832 | 0.01307292 | 38.8995 | 0.0014 | 0.42 | 39.23 | 0.04 |
| 9/12/2002 | | | | | | | 1.567708 | 66.732 | 0.28286 | 0.02272396 | 39.6705 | 0.00247 | 0.43 | 40.31 | 0.05 |
| 9/13/2002 | | | | | | | 1.484375 | 72.0245 | 0.29148 | 0.02866667 | 40.4415 | 0.00317 | 0.42 | 41.38 | 0.05 |
| 9/14/2002 | | | | | | | 1.483854 | 77.3169 | 0.31277 | 0.01907812 | 41.2125 | 0.00213 | 0.44 | 42.46 | 0.05 |
| 9/15/2002 | | | | | | | 1.473438 | 82.6094 | 0.33019 | 0.015 | 41.9835 | 0.00156 | 0.45 | 43.53 | 0.05 |
| 9/16/2002 | | | | | | | 1.470312 | 87.9019 | 0.35162 | 0.108651 | 42.8202 | 0.01322 | 0.46 | 44.61 | 0.06 |
| 9/17/2002 | | | | | | | 4.753646 | 93.1944 | 1.20298 | 18.87292 | 66.5988 | 3.95352 | 0.58 | 45.68 | 0.07 |
| 9/18/2002 | | | | | | | 5.784375 | 98.4869 | 1.54233 | 3.6 | 62.4429 | 0.53691 | 0.55 | 46.76 | 0.07 |
| 9/19/2002 | | | | | | | 4.839063 | 100.902 | 1.31841 | 0.47 | 65.1053 | 0.08416 | 0.54 | 47.92 | 0.07 |
| 9/20/2002 | | | | | | | 3.650521 | 82.8187 | 0.8232499 | 9.324896 | 67.5735 | 1.96411 | 0.58 | 50.08 | 0.08 |
| 9/21/2002 | | | | | | | 160.55 | 170.294 | 104.078 | 307.3729 | 264.733 | 308.492 | 0.89 | 52.54 | 0.13 |
| 9/22/2002 | | | | | | | 110.0938 | 92.328 | 29.8332 | 182.9323 | 217.98 | 145.002 | 0.70 | 55.00 | 0.10 |
| 9/23/2002 | | | | | | | 45.02604 | 83.7286 | 10.3263 | 29.21354 | 111.394 | 9.48133 | 0.57 | 57.45 | 0.09 |
| 9/24/2002 | | | | | | | 17.39062 | 70.305 | 3.33894 | 11 | 68.9042 | 1.72423 | 0.50 | 59.91 | 0.09 |
| 9/25/2002 | | | | | | | 72.60938 | 124.663 | 96.8361 | 232 | 110.206 | 143.072 | 1.90 | 62.57 | 0.50 |
| 9/26/2002 | | | | | | | 5243.568 | 1914.59 | 24239.8 | 5250 | 394.737 | 4829.82 | 2740.00 | 772.64 | 8580.00 |
| 9/27/2002 | | | | | | | 11255.62 | 440.4 | 13542.2 | 6815.99 | 94.3596 | 1799.5 | 448.65 | 386.74 | 691.21 |
| 9/28/2002 | | | | | | | 3945.885 | 268.982 | 2992.7 | 1250.062 | 50.2085 | 181.838 | 67.54 | 68.68 | 13.42 |
| 9/29/2002 | | | | | | | 581.8333 | 181.812 | 306.947 | 77.36979 | 42.4821 | 8.88969 | 32.43 | 44.54 | 3.94 |
| 9/30/2002 | | | | | | | 191.151 | 84.5453 | 45.7719 | 34.67188 | 41.4942 | 3.86172 | 17.82 | 38.68 | 1.87 |
| 10/1/2002 | | | | | | | 79.32407 | 56 | 12 | 23.8583 | 41 | 2.6 | 11.37 | 37.00 | 1.10 |
| 10/2/2002 | | | | | | | 42.65245 | 49 | 5.7 | 19.57659 | 41 | 2.2 | 8.18 | 40.00 | 0.89 |
| 10/3/2002 | | | | | | | 27.81914 | 42 | 3.1 | 18.09961 | 41 | 2 | 6.66 | 46.00 | 0.83 |
| 10/4/2002 | | | | | | | 1094.913 | 555 | 2160 | 858.9837 | 155 | 449 | 326.73 | 282.00 | 449.00 |
| 10/5/2002 | | | | | | | 539.7751 | 222 | 350 | 355.4866 | 63 | 67 | 53.22 | 74.00 | 11.00 |
| 10/6/2002 | | | | | | | 173.9951 | 104 | 52 | 56.74781 | 48 | 7.4 | 23.12 | 64.00 | 4.00 |
| 10/7/2002 | | | | | | | 248.9869 | 174 | 130 | 119.5675 | 67 | 24 | 21.88 | 63.00 | 3.70 |
| 10/8/2002 | | | | | | | 153.4455 | 139 | 60 | 84.1369 | 66 | 15 | 15.74 | 61.00 | 2.60 |
| 10/9/2002 | | | | | | | 74.23315 | 74 | 15 | 26.47319 | 60 | 4.3 | 10.94 | 60.00 | 1.80 |
| 10/10/2002 | | | | | | | 868.0004 | 871 | 5170 | 446.6961 | 117 | 280 | 15.26 | 59.00 | 2.40 |
| 10/11/2002 | | | | | | | 2062.385 | 649 | 3820 | 922.6159 | 120 | 308 | 17.44 | 57.00 | 2.70 |
| 10/12/2002 | | | | | | | 685.5319 | 328 | 634 | 386.0177 | 84 | 90 | 11.04 | 56.00 | 1.70 |
| 10/13/2002 | | | | | | | 225.2876 | 205 | 130 | 46.78906 | 73 | 9.2 | 8.17 | 55.00 | 1.20 |
| 10/14/2002 | | | | | | | 96.872 | 113 | 30 | 21 | 68 | 3.8 | 7.04 | 53.00 | 1.00 |
| 10/15/2002 | | | | | | | 54.0763 | 73 | 11 | 14 | 64 | 2.4 | 7.83 | 52.00 | 1.10 |
| 10/16/2002 | | | | | | | 36.41287 | 40 | 4 | 11.45583 | 60 | 1.9 | 8.07 | 51.00 | 1.10 |
| 10/17/2002 | | | | | | | 24.87101 | 36 | 2.4 | 8.58724 | 58 | 1.3 | 6.46 | 51.00 | 0.88 |
| 10/18/2002 | | | | | | | 17.49461 | 38 | 1.8 | 6.433776 | 57 | 0.98 | 5.97 | 50.00 | 0.81 |
| 10/19/2002 | | | | | | | 13.02569 | 39 | 1.4 | 5.385643 | 55 | 0.8 | 7.17 | 50.00 | 0.97 |
| 10/20/2002 | | | | | | | 17.01606 | 41 | 1.9 | 13.93914 | 71 | 3.4 | 51.56 | 92.00 | 18.00 |
| 10/21/2002 | | | | | | | 50.77198 | 42 | 5.8 | 28.73285 | 71 | 5.7 | 52.05 | 81.00 | 12.00 |
| 10/22/2002 | | | | | | | 35.94739 | 44 | 4.3 | 15.40675 | 50 | 2.1 | 21.93 | 49.00 | 2.90 |
| 10/23/2002 | | | | | | | 24.98266 | 45 | 3.1 | 10.49226 | 47 | 1.3 | 13.74 | 45.00 | 1.70 |
| 10/24/2002 | | | | | | | 18.80502 | 47 | 2.4 | 8.437869 | 47 | 1.1 | 11.35 | 44.00 | 1.30 |
| 10/25/2002 | | | | | | | 15.0454 | 48 | 2 | 6.425714 | 46 | 0.8 | 10.52 | 43.00 | 1.20 |
| 10/26/2002 | | | | | | | 12.94551 | 50 | 1.7 | 5.655665 | 46 | 0.7 | 10.07 | 42.00 | 1.10 |
| 10/27/2002 | | | | | | | 11.84812 | 52 | 1.6 | 5.542084 | 45 | 0.68 | 10.31 | 41.00 | 1.10 |
| 10/28/2002 | | | | | | | 104.8724 | 79 | 30 | 126.5004 | 64 | 27 | 208.57 | 159.00 | 118.00 |
| 10/29/2002 | | | | | | | 641.9504 | 402 | 825 | 526 | 154 | 224 | 83.57 | 71.00 | 16.00 |
| 10/30/2002 | | | | | | | 419.5858 | 152 | 186 | 250 | 108 | 73 | 45.16 | 55.00 | 6.80 |
| 10/31/2002 | | | | | | | 176.8315 | 101 | 49 | 54 | 78 | 11 | 26.33 | 51.00 | 3.60 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/24/2002 | | | | | | | 5112.29 | 696 | 10100 | 2708.089 | 408 | 3310 | 1131.67 | 744.00 | 3590.00 |
| 12/25/2002 | | | | | | | 1398.079 | 167 | 673 | 1037.853 | 196 | 558 | 147.24 | 257.00 | 103.00 |
| 12/26/2002 | | | | | | | 462.2988 | 92 | 119 | 157.6314 | 92 | 43 | 94.10 | 216.00 | 55.00 |
| 12/27/2002 | | | | | | | 254.8278 | 74 | 51 | 62.18726 | 74 | 12 | 74.38 | 173.00 | 35.00 |
| 12/28/2002 | | | | | | | 166.8353 | 63 | 29 | 40.82357 | 69 | 7.6 | 60.16 | 127.00 | 21.00 |
| 12/29/2002 | | | | | | | 121.3969 | 57 | 19 | 30.11325 | 65 | 5.3 | 50.06 | 90.00 | 12.00 |
| 12/30/2002 | | | | | | | 98.22836 | 52 | 14 | 24.92387 | 63 | 4.2 | 43.06 | 64.00 | 7.50 |
| 12/31/2002 | | | | | | | 233.8038 | 155 | 286 | 258.5995 | 175 | 324 | 333.19 | 429.00 | 1000.00 |
| 1/1/2003 | | | | | | | 1442.783 | 396 | 1860 | 1035.782 | 274 | 873 | 406.75 | 468.00 | 633.00 |
| 1/2/2003 | | | | | | | 518.8046 | 100 | 145 | 265.1917 | 101 | 77 | 132.03 | 233.00 | 84.00 |
| 1/3/2003 | | | | | | | 305.2716 | 77 | 64 | 98.34033 | 81 | 22 | 92.19 | 185.00 | 46.00 |
| 1/4/2003 | | | | | | | 194.498 | 72 | 38 | 53.96843 | 74 | 11 | 71.80 | 149.00 | 29.00 |
| 1/5/2003 | | | | | | | 142.4588 | 67 | 26 | 37.63968 | 67 | 6.8 | 60.10 | 112.00 | 18.00 |
| 1/6/2003 | | | | | | | 104.1717 | 63 | 18 | 27.43187 | 59 | 4.4 | 44.87 | 75.00 | 9.20 |
| 1/7/2003 | | | | | | | 80.13909 | 58 | 13 | 21.38109 | 53 | 3.1 | 35.68 | 42.00 | 4.10 |
| 1/8/2003 | | | | | | | 68.7458 | 56 | 10 | 18.84582 | 53 | 2.7 | 34.10 | 37.00 | 3.40 |
| 1/9/2003 | | | | | | | 60.14504 | 54 | 8.8 | 17.50981 | 53 | 2.5 | 35.48 | 53.00 | 5.40 |
| 1/10/2003 | | | | | | | 52.54458 | 52 | 7.4 | 16.08859 | 54 | 2.4 | 26.23 | 49.00 | 3.50 |
| 1/11/2003 | | | | | | | 42.12676 | 50 | 5.7 | 13.61357 | 55 | 2 | 21.27 | 46.00 | 2.60 |
| 1/12/2003 | | | | | | | 34.93922 | 48 | 4.5 | 12.00831 | 56 | 1.8 | 19.38 | 43.00 | 2.20 |
| 1/13/2003 | | | | | | | 31.48666 | 46 | 3.9 | 11.17531 | 56 | 1.7 | 19.20 | 39.00 | 2.00 |
| 1/14/2003 | | | | | | | 28.98578 | 44 | 3.5 | 10.38771 | 57 | 1.6 | 18.92 | 36.00 | 1.90 |
| 1/15/2003 | | | | | | | 26.5766 | 43 | 3.1 | 9.596754 | 58 | 1.5 | 16.58 | 34.00 | 1.50 |
| 1/16/2003 | | | | | | | 27.38307 | 44 | 3.2 | 10.69509 | 58 | 1.7 | 20.62 | 35.00 | 2.00 |
| 1/17/2003 | | | | | | | 30.09342 | 46 | 3.7 | 11.92057 | 59 | 1.9 | 18.74 | 38.00 | 1.90 |
| 1/18/2003 | | | | | | | 28.04071 | 48 | 3.6 | 10.35159 | 59 | 1.7 | 23.08 | 41.00 | 2.50 |
| 1/19/2003 | | | | | | | 27.00825 | 50 | 3.6 | 9.644678 | 59 | 1.5 | 21.43 | 43.00 | 2.50 |
| 1/20/2003 | | | | | | | 27.5239 | 52 | 3.9 | 10.03691 | 60 | 1.6 | 15.87 | 46.00 | 2.00 |
| 1/21/2003 | | | | | | | 27.70812 | 54 | 4 | 10.49025 | 60 | 1.7 | 16.01 | 48.00 | 2.10 |
| 1/22/2003 | | | | | | | 30.7342 | 56 | 4.6 | 11.9094 | 61 | 1.9 | 31.55 | 51.00 | 4.30 |
| 1/23/2003 | | | | | | | 30.42014 | 58 | 4.7 | 10.64815 | 61 | 1.8 | 17.08 | 54.00 | 2.50 |
| 1/24/2003 | | | | | | | 24.49361 | 58 | 3.9 | 9.216022 | 61 | 1.5 | 34.67 | 55.00 | 5.10 |
| 1/25/2003 | | | | | | | 23.64025 | 59 | 3.7 | 8.150208 | 61 | 1.3 | 13.50 | 56.00 | 2.10 |
| 1/26/2003 | | | | | | | 23.47991 | 59 | 3.7 | 8.640364 | 60 | 1.4 | 12.99 | 58.00 | 2.00 |
| 1/27/2003 | | | | | | | 22.23516 | 59 | 3.6 | 8.562401 | 60 | 1.4 | 10.40 | 59.00 | 1.70 |
| 1/28/2003 | | | | | | | 21.92319 | 60 | 3.5 | 8.605635 | 60 | 1.4 | 10.17 | 60.00 | 1.60 |
| 1/29/2003 | | | | | | | 1203.336 | 1280 | 7270 | 821.5421 | 1010 | 3440 | 158.16 | 631.00 | 468.00 |
| 1/30/2003 | | | | | | | 911.2073 | 815 | 2200 | 730.9929 | 658 | 1340 | 90.91 | 307.00 | 82.00 |
| 1/31/2003 | | | | | | | 388.1614 | 384 | 411 | 158.1192 | 215 | 101 | 47.67 | 157.00 | 21.00 |
| 2/1/2003 | | | | | | | 227.7937 | 246 | 155 | 70.11324 | 140 | 27 | 35.26 | 96.00 | 9.20 |
| 2/2/2003 | | | | | | | 152.6953 | 152 | 63 | 46.53725 | 116 | 15 | 29.02 | 76.00 | 6.00 |
| 2/3/2003 | | | | | | | 124.7299 | 105 | 36 | 55.17831 | 181 | 45 | 42.93 | 119.00 | 36.00 |
| 2/4/2003 | | | | | | | 478.1421 | 140 | 184 | 415.3904 | 298 | 356 | 131.39 | 275.00 | 123.00 |
| 2/5/2003 | | | | | | | 292.205 | 85 | 68 | 120.2582 | 160 | 53 | 55.25 | 53.00 | 8.10 |
| 2/6/2003 | | | | | | | 1720.042 | 453 | 3060 | 1105.151 | 1260 | 4340 | 824.60 | 546.00 | 1560.00 |
| 2/7/2003 | | | | | | | 1601.765 | 314 | 1610 | 1017.461 | 722 | 2090 | 260.46 | 132.00 | 112.00 |
| 2/8/2003 | | | | | | | 514.2233 | 135 | 195 | 230.9606 | 272 | 208 | 110.38 | 76.00 | 23.00 |
| 2/9/2003 | | | | | | | 307.7529 | 86 | 73 | 90.56545 | 161 | 42 | 90.70 | 66.00 | 17.00 |
| 2/10/2003 | | | | | | | 480.9115 | 139 | 183 | 362.2407 | 255 | 253 | 133.80 | 78.00 | 30.00 |
| 2/11/2003 | | | | | | | 336.5514 | 85 | 79 | 139.8797 | 111 | 45 | 78.37 | 54.00 | 12.00 |
| 2/12/2003 | | | | | | | 215.8243 | 54 | 32 | 66.19697 | 54 | 9.9 | 59.26 | 44.00 | 7.00 |
| 2/13/2003 | | | | | | | 148.1991 | 50 | 20 | 40.2814 | 45 | 4.9 | 48.01 | 43.00 | 5.50 |
| 2/14/2003 | | | | | | | 160.2926 | 54 | 23 | 76.51363 | 112 | 25 | 58.43 | 43.00 | 6.80 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/9/2003 | | | | | | | 566.2774 | 142 | 223 | 93.93629 | 87 | 22 | 108.00 | 129.00 | 38.00 |
| 4/10/2003 | | | | | | | 374.1406 | 104 | 105 | 53.52881 | 69 | 10 | 82.00 | 137.00 | 30.00 |
| 4/11/2003 | | | | | | | 268.0314 | 88 | 64 | 35.82859 | 65 | 6.3 | 66.00 | 117.00 | 21.00 |
| 4/12/2003 | | | | | | | 193.7106 | 76 | 40 | 22.41704 | 62 | 3.8 | 54.00 | 96.00 | 14.00 |
| 4/13/2003 | | | | | | | 148.8385 | 66 | 27 | 16.32991 | 59 | 2.6 | 45.00 | 75.00 | 9.10 |
| 4/14/2003 | | | | | | | 117.2046 | 56 | 18 | 12.82558 | 56 | 1.9 | 35.00 | 54.00 | 5.10 |
| 4/15/2003 | | | | | | | 96.36026 | 47 | 12 | 10.45452 | 53 | 1.5 | 27.00 | 34.00 | 2.50 |
| 4/16/2003 | | | | | | | 81 | 45 | 10 | 8.2 | 54 | 1.2 | 25.00 | 31.00 | 2.10 |
| 4/17/2003 | | | | | | | 70.33088 | 44 | 8.3 | 7.162532 | 56 | 1.1 | 24.00 | 33.00 | 2.10 |
| 4/18/2003 | | | | | | | 58.90968 | 43 | 6.8 | 7.599895 | 58 | 1.2 | 20.00 | 34.00 | 1.80 |
| 4/19/2003 | | | | | | | 50.3898 | 42 | 5.7 | 4.907066 | 60 | 0.79 | 18.00 | 36.00 | 1.70 |
| 4/20/2003 | | | | | | | 46.0711 | 40 | 5 | 3.992716 | 62 | 0.66 | 19.00 | 37.00 | 1.90 |
| 4/21/2003 | | | | | | | 46.36804 | 39 | 4.9 | 4.089238 | 64 | 0.7 | 17.00 | 39.00 | 1.80 |
| 4/22/2003 | | | | | | | 40.1399 | 38 | 4.2 | 5.234388 | 66 | 0.93 | 14.00 | 40.00 | 1.50 |
| 4/23/2003 | | | | | | | 33.8874 | 38 | 3.5 | 4.240366 | 70 | 0.8 | 10.84 | 41.00 | 1.20 |
| 4/24/2003 | | | | | | | 136.8187 | 106 | 77 | 45.10585 | 91 | 18 | 91.41 | 142.00 | 72.00 |
| 4/25/2003 | | | | | | | 707.0198 | 285 | 561 | 492.8554 | 249 | 353 | 138.63 | 135.00 | 58.00 |
| 4/26/2003 | | | | | | | 372.4347 | 136 | 140 | 106.1689 | 111 | 34 | 35.83 | 87.00 | 8.50 |
| 4/27/2003 | | | | | | | 204.7418 | 85 | 47 | 26.81559 | 88 | 6.4 | 21.85 | 73.00 | 4.30 |
| 4/28/2003 | | | | | | | 120.9243 | 71 | 23 | 15.07907 | 74 | 3 | 15.14 | 59.00 | 2.40 |
| 4/29/2003 | | | | | | | 77.32056 | 57 | 12 | 9.626333 | 63 | 1.6 | 12.01 | 46.00 | 1.50 |
| 4/30/2003 | | | | | | | 51.67567 | 47 | 6.6 | 6.657051 | 62 | 1.1 | 10.10 | 45.00 | 1.20 |
| 5/1/2003 | | | | | | | 36.3233 | 47 | 4.6 | 4.731586 | 64 | 0.81 | 8.79 | 45.00 | 1.10 |
| 5/2/2003 | | | | | | | 26.59915 | 48 | 3.4 | 3.411363 | 65 | 0.6 | 8.39 | 46.00 | 1.00 |
| 5/3/2003 | | | | | | | 27.98481 | 48 | 3.7 | 3.627658 | 66 | 0.65 | 28.27 | 87.00 | 9.00 |
| 5/4/2003 | | | | | | | 25.0284 | 49 | 3.3 | 3.06052 | 67 | 0.56 | 9.87 | 75.00 | 2.00 |
| 5/5/2003 | | | | | | | 925.9493 | 735 | 7760 | 669.677 | 749 | 5140 | 699.18 | 1050.00 | 7640.00 |
| 5/6/2003 | | | | | | | 8518.686 | 1540 | 35800 | 5510.033 | 569 | 9200 | 1004.96 | 716.00 | 4910.00 |
| 5/7/2003 | | | | | | | 5707.779 | 954 | 15900 | 2972.75 | 688 | 6380 | 1388.57 | 1230.00 | 9620.00 |
| 5/8/2003 | | | | | | | 2357.457 | 402 | 2720 | 1276.099 | 292 | 1050 | 244.85 | 366.00 | 255.00 |
| 5/9/2003 | | | | | | | 496.0124 | 194 | 284 | 231.0334 | 119 | 83 | 115.50 | 252.00 | 79.00 |
| 5/10/2003 | | | | | | | 208.137 | 102 | 59 | 43.92938 | 101 | 12 | 79.93 | 214.00 | 46.00 |
| 5/11/2003 | | | | | | | 1780.309 | 1260 | 8720 | 1006.421 | 578 | 2090 | 218.03 | 319.00 | 231.00 |
| 5/12/2003 | | | | | | | 575.5873 | 271 | 459 | 401.6742 | 209 | 256 | 87.47 | 200.00 | 48.00 |
| 5/13/2003 | | | | | | | 228.9409 | 142 | 90 | 48.327 | 119 | 16 | 52.50 | 156.00 | 22.00 |
| 5/14/2003 | | | | | | | 4066.479 | 1130 | 16800 | 2326.459 | 778 | 5900 | 1750.17 | 990.00 | 8580.00 |
| 5/15/2003 | | | | | | | 3415.913 | 442 | 4370 | 1824.736 | 340 | 1720 | 301.87 | 369.00 | 316.00 |
| 5/16/2003 | | | | | | | 789.4265 | 264 | 583 | 712.1511 | 196 | 391 | 119.49 | 287.00 | 93.00 |
| 5/17/2003 | | | | | | | 2062.359 | 816 | 6340 | 1273.365 | 572 | 2600 | 492.57 | 412.00 | 771.00 |
| 5/18/2003 | | | | | | | 1375.193 | 342 | 1320 | 1112.043 | 309 | 937 | 312.00 | 210.00 | 180.00 |
| 5/19/2003 | | | | | | | 701.9241 | 190 | 399 | 548.7606 | 288 | 499 | 160.98 | 130.00 | 57.00 |
| 5/20/2003 | | | | | | | 314.9486 | 100 | 86 | 115.9719 | 99 | 34 | 92.18 | 111.00 | 28.00 |
| 5/21/2003 | | | | | | | 198.0808 | 90 | 48 | 74.28117 | 134 | 27 | 87.82 | 103.00 | 24.00 |
| 5/22/2003 | | | | | | | 144.5972 | 84 | 33 | 48.94924 | 92 | 12 | 68.60 | 96.00 | 18.00 |
| 5/23/2003 | | | | | | | 97.65629 | 77 | 20 | 22.32775 | 74 | 4.5 | 47.11 | 89.00 | 11.00 |
| 5/24/2003 | | | | | | | 66.02958 | 70 | 13 | 13.1129 | 62 | 2.2 | 34.25 | 83.00 | 7.70 |
| 5/25/2003 | | | | | | | 46.99908 | 63 | 8.1 | 10.17603 | 55 | 1.5 | 29.15 | 76.00 | 6.00 |
| 5/26/2003 | | | | | | | 36.32767 | 57 | 5.6 | 10.06591 | 54 | 1.5 | 25.88 | 69.00 | 4.90 |
| 5/27/2003 | | | | | | | 26.93259 | 50 | 3.7 | 6.485137 | 53 | 0.93 | 19.00 | 63.00 | 3.20 |
| 5/28/2003 | | | | | | | 19.68252 | 43 | 2.3 | 4.410356 | 52 | 0.62 | 16.00 | 56.00 | 2.40 |
| 5/29/2003 | | | | | | | 14.16441 | 37 | 1.4 | 3.04732 | 51 | 0.42 | 12.00 | 49.00 | 1.60 |
| 5/30/2003 | | | | | | | 10.37173 | 31 | 0.86 | 2.182656 | 50 | 0.3 | 10.00 | 43.00 | 1.20 |
| 5/31/2003 | | | | | | | 8.118268 | 29 | 0.64 | 1.711623 | 50 | 0.23 | 9.66 | 44.00 | 1.20 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/24/2003 | | | | | | | 1.407103 | 84 | 0.32 | 0.7293634 | 69 | 0.14 | 3.40 | 49.00 | 0.45 |
| 7/25/2003 | | | | | | | 1.253356 | 76 | 0.26 | 0.6289772 | 64 | 0.11 | 3.23 | 48.00 | 0.41 |
| 7/26/2003 | | | | | | | 1.110007 | 67 | 0.2 | 0.4715993 | 59 | 0.08 | 3.09 | 46.00 | 0.38 |
| 7/27/2003 | | | | | | | 1.006372 | 58 | 0.16 | 0.3883031 | 54 | 0.06 | 3.08 | 45.00 | 0.37 |
| 7/28/2003 | | | | | | | 0.9936889 | 49 | 0.13 | 0.34 | 49 | 0.05 | 2.90 | 43.00 | 0.34 |
| 7/29/2003 | | | | | | | 0.9265924 | 41 | 0.1 | 0.3294945 | 45 | 0.04 | 3.12 | 43.00 | 0.36 |
| 7/30/2003 | | | | | | | 2.298483 | 40 | 0.25 | 1.1 | 45 | 0.13 | 16.40 | 71.00 | 5.30 |
| 7/31/2003 | | | | | | | 7.458168 | 40 | 0.81 | 1.341968 | 46 | 0.17 | 5.85 | 54.00 | 0.89 |
| 8/1/2003 | | | | | | | 3.614659 | 40 | 0.39 | 0.9999551 | 47 | 0.13 | 3.66 | 47.00 | 0.47 |
| 8/2/2003 | | | | | | | 14.0195 | 55 | 3.4 | 6.526154 | 60 | 2 | 125.35 | 184.00 | 238.00 |
| 8/3/2003 | | | | | | | 65.19537 | 80 | 15 | 32.81626 | 103 | 10 | 48.24 | 128.00 | 23.00 |
| 8/4/2003 | | | | | | | 29.85288 | 67 | 5.4 | 19.85792 | 66 | 4 | 11.69 | 81.00 | 2.70 |
| 8/5/2003 | | | | | | | 144.6111 | 100 | 44 | 236.3914 | 411 | 401 | 73.87 | 205.00 | 49.00 |
| 8/6/2003 | | | | | | | 178.3625 | 121 | 67 | 297.5187 | 482 | 575 | 15.26 | 150.00 | 6.30 |
| 8/7/2003 | | | | | | | 200.9234 | 105 | 59 | 283.4366 | 334 | 306 | 12.02 | 113.00 | 3.80 |
| 8/8/2003 | | | | | | | 81.36302 | 75 | 17 | 34.28915 | 78 | 7.7 | 5.48 | 101.00 | 1.50 |
| 8/9/2003 | | | | | | | 36.8676 | 67 | 6.7 | 13.97504 | 70 | 2.7 | 4.33 | 91.00 | 1.10 |
| 8/10/2003 | | | | | | | 19.49832 | 63 | 3.3 | 8.132121 | 69 | 1.5 | 3.80 | 81.00 | 0.83 |
| 8/11/2003 | | | | | | | 10.63519 | 60 | 1.7 | 4.716344 | 68 | 0.86 | 3.47 | 71.00 | 0.66 |
| 8/12/2003 | | | | | | | 7.461923 | 56 | 1.1 | 3.776699 | 67 | 0.68 | 4.06 | 60.00 | 0.66 |
| 8/13/2003 | | | | | | | 13.70211 | 54 | 2 | 4.250108 | 65 | 0.75 | 4.40 | 50.00 | 0.60 |
| 8/14/2003 | | | | | | | 8.816985 | 52 | 1.2 | 3.8 | 64 | 0.7 | 3.59 | 41.00 | 0.40 |
| 8/15/2003 | | | | | | | 6.099007 | 53 | 0.87 | 2.1 | 60 | 0.32 | 3.27 | 40.00 | 0.36 |
| 8/16/2003 | | | | | | | 4.392925 | 53 | 0.63 | 0.9 | 57 | 0.13 | 3.08 | 41.00 | 0.34 |
| 8/17/2003 | | | | | | | 3.352279 | 54 | 0.49 | 0.6 | 53 | 0.09 | 2.92 | 41.00 | 0.32 |
| 8/18/2003 | | | | | | | 2.692088 | 55 | 0.4 | 0.4778652 | 49 | 0.06 | 2.86 | 41.00 | 0.32 |
| 8/19/2003 | | | | | | | 2.380283 | 55 | 0.35 | 0.4488042 | 46 | 0.06 | 2.75 | 42.00 | 0.31 |
| 8/20/2003 | | | | | | | 2.029865 | 56 | 0.31 | 0.9270781 | 43 | 0.11 | 2.67 | 42.00 | 0.31 |
| 8/21/2003 | | | | | | | 1.806666 | 54 | 0.27 | 1.179645 | 43 | 0.14 | 2.89 | 46.00 | 0.36 |
| 8/22/2003 | | | | | | | 1.6618 | 52 | 0.24 | 0.4122341 | 44 | 0.05 | 2.75 | 49.00 | 0.37 |
| 8/23/2003 | | | | | | | 1.512174 | 50 | 0.21 | 0.2470354 | 45 | 0.03 | 2.68 | 53.00 | 0.38 |
| 8/24/2003 | | | | | | | 1.368819 | 48 | 0.18 | 0.1519987 | 46 | 0.02 | 2.55 | 57.00 | 0.39 |
| 8/25/2003 | | | | | | | 1.250098 | 46 | 0.16 | 0.1200993 | 47 | 0.02 | 2.52 | 60.00 | 0.41 |
| 8/26/2003 | | | | | | | 1.160794 | 44 | 0.14 | 0.09822581 | 49 | 0.01 | 2.52 | 64.00 | 0.44 |
| 8/27/2003 | | | | | | | 1.144158 | 42 | 0.13 | 0.1492603 | 50 | 0.02 | 2.63 | 68.00 | 0.48 |
| 8/28/2003 | | | | | | | 1.550534 | 40 | 0.17 | 0.1466736 | 51 | 0.02 | 2.87 | 72.00 | 0.55 |
| 8/29/2003 | | | | | | | 1.607297 | 41 | 0.18 | 0.07872015 | 55 | 0.01 | 2.77 | 79.00 | 0.59 |
| 8/30/2003 | | | | | | | 1.550867 | 43 | 0.18 | 0.05981522 | 60 | 0 | 3.06 | 86.00 | 0.71 |
| 8/31/2003 | | | | | | | 1.534275 | 44 | 0.18 | 0.07017567 | 65 | 0.01 | 3.43 | 94.00 | 0.87 |
| 9/1/2003 | | | | | | | 1.724678 | 46 | 0.21 | 0.1487947 | 70 | 0.03 | 3.58 | 102.00 | 0.98 |
| 9/2/2003 | | | | | | | 3.74726 | 47 | 0.47 | 0.1820092 | 75 | 0.04 | 3.50 | 110.00 | 1.00 |
| 9/3/2003 | | | | | | | 6.22153 | 48 | 0.81 | 0.878163 | 80 | 0.19 | 6.51 | 117.00 | 2.10 |
| 9/4/2003 | | | | | | | 6.65093 | 50 | 0.9 | 0.6907706 | 82 | 0.15 | | | |
| 9/5/2003 | | | | | | | 4.212269 | 62 | 0.7 | 0.4677807 | 74 | 0.09 | | | |
| 9/6/2003 | | | | | | | 3.014721 | 75 | 0.61 | 0.2456215 | 65 | 0.04 | | | |
| 9/7/2003 | | | | | | | 2.344906 | 89 | 0.56 | 0.2045198 | 56 | 0.03 | | | |
| 9/8/2003 | | | | | | | 1.913318 | 102 | 0.53 | 0.2106151 | 48 | 0.03 | | | |
| 9/9/2003 | | | | | | | 1.699194 | 101 | 0.46 | 0.1442475 | 50 | 0.02 | | | |
| 9/10/2003 | | | | | | | 1.563712 | 97 | 0.41 | 0.1267096 | 53 | 0.02 | | | |
| 9/11/2003 | | | | | | | 1.420022 | 93 | 0.35 | 0.1296969 | 57 | 0.02 | | | |
| 9/12/2003 | | | | | | | 1.260085 | 88 | 0.3 | 0.1145721 | 61 | 0.02 | | | |
| 9/13/2003 | | | | | | | 1.140396 | 84 | 0.26 | 0.2932611 | 65 | 0.05 | | | |
| 9/14/2003 | | | | | | | 1.678877 | 79 | 0.36 | 0.1788492 | 68 | 0.03 | | | |

## Appendix 5

### Conservation Practices in the Topashaw Canal Watershed

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knickpoints have caused deepening of upstream reaches and tributary channels (Simon and Thomas 2002). Sufficient deepening causes significant channel widening by mass failure of channel banks. Gully inlets are initiated as massive bank failures in upper reaches and experience head-cut migration into adjacent fields.

The YRW was selected as a CEAP benchmark watershed because of on-going research conducted as part of the Little Topashaw Creek Stream Corridor Rehabilitation Project (LTC-SCRP), 1999-2004. This Demonstration Erosion Control (DEC) Project was a cooperative effort among the U.S. Army Corps of Engineers (CoE), USDA-NRCS, and the USDA-ARS National Sedimentation Laboratory. The LTC-SCRP objectives included: (i) evaluate a cost-effective approach for channel stabilization; (ii) evaluate a low-cost approach for stabilizing gully inlets; and (iii) quantify ecological effects of the proposed low-cost measures. Relevant findings of this effort are summarized in Table 1.

The main research focus of the LTC-SCRP was the effect of Large Wood (LW) structures in conjunction with planting willow cuttings in the riparian areas between these structures to stabilize channels. However, the number one problem for which conservation funds are allocated in this region is gully erosion (Eddie Carnathan, USDA-NRCS, 2006; personal communication). The most common conservation practice to control gully erosion is grade control (i.e. drop-pipe) structures (EQIP practice code 410), but the effectiveness of these structures has not been established. Accordingly, the research objectives of this CEAP watershed are: (i) to compile the information collected to date in the watershed on land use, conservation practices (CP), soil characteristics, streamflow and climate; and (ii) to quantify the effectiveness of drop pipe structures at edge-of-field gully erosion.


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programs will be digitized based on past land use history through data collection with State and Local Area Extension Agents. Land use that cannot be verified through agency information will be digitized based on satellite imagery.

Given the enormity of this task, it was evident that the 168,750 ha YRW was too large to complete the digitization even though CP data had been collected for the entire YRW. Watershed modeling will require stream gage data for evaluation of the effectiveness of the CP, and the USGS has seven stream gaging stations within the YRW. These include three locations on the main channel of the Yalobusha River Canal, three on the Topashaw Canal and one on Bear Creek. The USGS site on the Topashaw Canal at Hohenlinden (latitude 33°45'29" and longitude 89°10'43") was chosen to redefine the CEAP study watershed (TC Watershed) at a smaller scale, 11,000 ha, because it included continuous measurements of both stream discharge and sediment concentration for the period of interest.

***Watershed Description***

The smaller TC watershed, Figure 2, is characterized by relatively flat (<2%) alluvial plains along streams and surrounded by forested hillslopes. The land use of the TC watershed consists of 11% cropland, 6% pasture or grassed areas, 80% forested areas, 2% urban and 1% wetland and surface water, Figure 3. The watershed lies within the Southern Coastal Plain, Major Land Resource Area 133A, and has 25 predominant soil series, Figure 4 and Table 2. Row-crop agriculture is limited to the alluvial plains which are predominantly Falaya silt loam soil series which occupy 11% of the watershed area. The forested hillslopes are predominantly Sweatman loam soil series which occupy 46% of the watershed area. The dominant geologic formation is the Midway Group


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used to measure water depth and velocity for conversion to discharge at 15-min intervals. Stream stage was computed by adding the recorded water depth to the elevation (90.4 m MSL) of the transducer. The streamflow rating curve developed for the LTC gage was verified using the USGS data for the downstream gage at Hohenlinden, MS. Stream discharges from the USGS data were regressed against the discharges estimated from the streamflow rating curve for Little Topashaw Creek, Figure 5. The linear regression slope (0.37) was very close to the ratio of drainage areas (3700 ha/11000 ha = 0.34). If this value is raised to the 0.88 power, as suggested by the regional regression formula developed by Landers and Wilson (1991), a slope of 0.39 is obtained. Under CEAP, the LTC stream gage instrumentation has been upgraded to include a bubbler for repetitive stage measurement, interfaced with a sequential water sampler. The bubbler and water sampler have an internal data logger and allows for interfacing with a data sonde water quality monitoring of dissolved oxygen, temperature, electrical conductivity, turbidity, and pH. The stream station also includes an acoustic doppler velocity profiler (ADVP) for measuring the stream flow velocity profile during high stages.

Discrete, time-sequenced streamflow samples were collected for multiple storm events in 2006 and sediment concentrations determined. These data were used to develop a preliminary sediment rating curve, a second degree polynomial with an $R^2$ of 0.85 (Figure 6). This curve will be upgraded as data become available and a distinction of rating curves between the rising and falling limbs of the hydrograph will eventually be developed.

The LTC-SCRP reach included several non-gauged drop-pipe structures installed by NRCS, active edge-of-field gullies without drop-pipes and a large, classic gully that


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The original LTC-SCRP had two sites instrumented with tipping bucket raingages and data loggers (Figure 7, sites 1 and 2). The average annual precipitation measured on-site was 1500 mm for 2001-2006 with the highest monthly averages (137mm/month) occurring from November through February and lowest period (112 mm/month) occurring from July through September. Locations for four new raingages, one within the LTC subwatershed and three outside) were identified by conducting a Thiessen analysis to optimize the spatial arrangement (Figure 7, sites 3 through 6). Additionally, a weather station was installed at the upstream monitoring site. The weather station monitors wind speed and direction, temperature, relative humidity, barometric pressure, solar radiation, and precipitation at heights above the surface of 300, 200, 200, 150, 300, and 200 cm, respectively. The weather station data logger is interfaced with soil probes at depths of 5, 10, 20, 50, and 100 cm for monitoring soil water content, temperature, and salinity.

In summary, the LTC has been instrumented as depicted in Figure 7 by adding four new raingages, a weather station, a new edge of field gully site without a drop pipe, two edge-of-field gullies with NRCS constructed drop pipes, an extensive classic gully that is routinely surveyed, and upstream (LTC site) and downstream (USGS site) monitoring of flow and sediment concentration. Additionally, instrumentation for water quality monitoring (pH, DO, turbidity, temperature, EC) has been obtained for monitoring at the USGS station downstream. This will provide upstream-downstream monitoring with edge of field monitoring along a portion of the stream reach in-between.

## Results and Discussion

### *Stream Response*


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soil loss by gullies in the watershed, only those gullies funded by EQIP to remediate. Additionally, EQIP funds are only used to remediate small gullies, whereas, the large classic gullies, such as the one being surveyed in this study, are remediated by the .

The conservative nature of the gully erosion estimate is clearly seen by the measurements made by this CEAP effort at the large gully study site, Figure 10. Since 2005, when the gully formed due to failure of a drop-pipe, the classic gully progressed rapidly up the diversion ditch and branched into the agricultural field, Figure 11. The total soil loss from this single gully was approximately 8,360 T which is more than half (64%) of all the small gullies in the watershed remediated through the EQIP program. The time that the drop-pipe failed is unknown so an initial gully erosion rate cannot be estimated. Assuming that the gully was a year old at the time of the first survey, 25 March 2005, the annual soil loss was 5,390 T/yr from this single gully which is still around 40% of the annual soil loss by gullies recorded through EQIP and 8% of the total annual soil loss from the TC watershed.

Gully erosion since 25 March, 2005 indicates soil losses at rates of 1690 T/yr, 1674 T/yr, and 719 T/yr for the three dates 3 May 2006, 5 December 2006, and 30 January 2007. These extreme erosion rates resulted in a gully that averaged 1.5 m depth at the head with a maximum depth of 5.0 m near the mouth. The head cut progressed at the four survey dates to linear distances of 84-, 98-, 114-, and 128-m along the main branch up the ditch, and linear distances of 31-, 55-, 65- and 67-m along the branch into the agricultural field. While these rates of erosion seem extraordinary, there are other more extensive gullies in the watershed (personal communications with landowners).


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Wilson et al. (2007) measured seepage erosion from eight seeps along an 800 m reach of the LTC following storm events. Seepage flow rates ranged by two and a half orders of magnitude (4 to 931 L $d^{-1}$) with an average of 174 L $d^{-1}$ with sediment concentrations as high as 660 g $L^{-1}$ in situ. In contrasts to the gully sediment load, the seepage erosion sediment is predominantly coarse grained and will likely be retained within the stream channel. However, the seepage erosion facilitates failure of the overlying bank material that is predominantly fines. Integration of variably-saturated flow codes with streambank stability models by Chu-Agor et al. (2007) and Fox et al. (2007b) have shown that undercutting of streambanks by seepage erosion is a key mechanism of bank failure at LTC. The relative proportion of sediment from eroded surface soils and entrained streambank failure material in the fine suspended sediment of LTC is being determined (Wilson et al., 2007). Soil and stream samples were collected in 2006 and the ratios of naturally occurring radionuclides ($^{7}$Be and $^{210}$Pb) were determined to differentiate the eroded surface soil from the streambank sediment. These data will provide improved quantification of the sediment source areas.

***Conservation Practices***

Conservation practices that impact the current and future hydrologic and water quality behavior have been applied in the TC watershed for decades. The most significant were the channelization activities and the YLT (predominantly tree planting) programs which began in the 1950s. However, CEAP is focused on the CRP and EQIP conservation programs of the last two decades under the USDA Farm Bill. The initial conservation program in the TC watershed was CRP with funded acreage varying significantly during the early years, Figure 12. CRP acreage reached a peak of over 4,585


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from the agricultural fields which further explains why the primary source of sediment currently from the watershed appears to be edge-of-field gullies and streambank failure.

## Conclusions

These initial estimates suggest that gully erosion accounts for approximately half of the sediment yield for the TC watershed. The most common conservation practice in TC watershed to control gully erosion is to install grade stabilization structures, commonly referred to as drop-pipe structures. An average of 58 small drop-pipes have been installed annually through the EQIP program and 5.4 large drop-pipes have been installed annually by the Corps of Engineers in the TC watershed. Similar grade stabilization structures have been installed for decades, through different programs and agencies. Some of the current installations are to replace old or failed pipes. Therefore, the total number of active drop-pipes within the watershed and their longevity are not known at this time. The EQIP applications include estimates of the sediment yield reduction. From 1998 until 2005, the sediment yield reduction was calculated through a procedure developed specifically for EQIP (NRCS, 2006). Since 2005, this value has been obtained using RUSLE. According to NRCS data, drop pipes should reduce the annual sediment yield from 11.5 T/ha/yr to 0.1 T/ha/yr. However, measurements have not been made to determine the accuracy of these sediment reduction estimates. Quantification of the sediment reduction, both at the field and watershed scales, is the main focus of the TC watershed CEAP study. This will be accomplished experimentally through monitoring of ephemeral gullies with and without drop-pipe structures, surveying of undisturbed gullies, along with monitoring of upstream and downstream sediment loads. Additionally, the landuse, conservation practices, and soil distribution data


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| | | |
|---|---|---|
| Lizotte et al. (2001) | Nutrients | Total $PO_4$, total-N and chlorophyll a concentrations commonly (>80% of samples) exceeded nutrient criteria during storm events. Ammonia-N, nitrate and nitrite rarely (<10% of samples) exceeded the criteria, and excedance instances occurred primarily during storm events. |
| Smith et al. (2006) | Pesticides | Pesticide concentrations fluctuated seasonally. Peak concentrations in DDT, dieldrin and metabolites (pp' DDD, pp' DDE) were associated with increases in discharge and suspended solids concentrations. Concentrations during high flow events decreased during fall to only trace amounts during winter. Seasonality in farming practices influenced pesticide and associated metabolite concentrations. |
| Shields and Knight, (2005); Shields et al., (2003, 2006); Wu et al. (2005, 2006) | Aquatic habitat | Local scour adjacent to LW structures initially increased baseflow depth and habitat heterogeneity, however, as structures degraded these beneficial effects disappeared. Long-term changes in physical habitat were limited to an increase in LW density. |
| Cooper and Testa (2002); Cooper et al. (2004); Testa and Cooper (2002) | invertebrate community | Numbers of individuals were very similar after LW installation while number of taxa increased about 30%. Low diversity before treatment and higher diversity after installation. |
| Knight et al. (2002) | fish community | Average fish species richness increased in the post-installation with a shift away from small, opportunistic cyprinids toward larger centrarchids. Changes in fish population density, average size, and community structure mirrored trends in other incised stream ecosystems. Collections were dominated by cyprinids and centrarchids, but the relative dominance of cyprinids was inversely related to the mean water depth. |

Table 2. Soil descriptions for the major soil series in the TC watershed, Figure 4, with the soil map unit symbol, Id, representing the series name.

| Id | Series | Taxonomy | Texture | slope | area (ha) |
|---|---|---|---|---|---|
| Ad | Adaton | fine-silty, mixed active, thermic Typic Endoaqualf | SiL | 0-2% | 38.9 |
| Cc | Cascilla | Fine-silty, mixed, active, thermic Fluventic Dystrudepts | SiL | 0-2% | 207.1 |
| Ch | Chenneby | fine-silty, mixed, active, thermic Fluvaquentic Dystrudept | SiL | 0-2% | 745.5 |
| Fa | Falaya | coarse silty, mixed, active, acid, thermic Aeric Fluvaquent | SiL | 0-2% | 1268.4 |
| Fk | Falkner | Fine-silty, siliceous, active, thermic Aquic Paleudalfs | SiL | 0-8% | 257.2 |
| Gy | Guyton | Fine-silty, siliceous, active, thermic Typic Glossaqualfs | SiL | 0-1% | 7.9 |
| Je | Jena | coarse-loamy, siliceous, active, thermic Fluventic Dystrudept | FSL | 0-2% | 106.8 |
| Lo | Longview | fine-silty, siliceous, active, thermic, Glossaquic Happludalf | SiL | 0-2% | 135.6 |
| Oa | Oaklimeter | coarse-silty, mixed, active, thermic Fluvaquentic Dystrudept | SiL | 0 - 2% | 111.8 |
| Or | Ora | fine-loamy, siliceous, semiactive, thermic Typic Fragiudult | L | 5 - 12% | 74.8 |
| Pr | Providence | fine-silty, mixed, active, thermic Oxyaquic Fragiudalf | SiL | 2 - 12% | 436.9 |

Table 3. Summary of conservation practices funded in the LT Canal watershed since 1985.

| | | | Coverage | Annual Payment | |
|---|---|---|---|---|---|
| Program | Practice | Code | ha | $ | $/ha |
| CRP | Pines | CP3 | 6,914 | 626,625 | 90.63 |
| EQIP | Grade Stable | 410 | 5157 | 862,189 | 167.18 |
| CRP | Grass | CP1 | 2,816 | 295,636 | 105.00 |
| EQIP | Grazing | 378, 512, 528a, 600, 614, 633, 638, 720, 728, 734, 769 | 2,783 | 349,693 | 125.68 |
| EQIP | Sedimentation | 342, 350, 362, 391A, 410 | 2,574 | 487,626 | 189.43 |
| CRP | FRB | CP4 | 1,768 | 164,736 | 93.16 |
| CRP | Established Grass | CP10 | 1,350 | 139,052 | 103.00 |
| EQIP | Forestry | 381, 612 | 385 | 75,718 | 196.47 |
| EQIP | Forest non-plant | 381, 490, 595, 655, 702 | 228 | 30,811 | 134.92 |
| CRP | Grass Strip | CP21 | 164 | 19,297 | 117.97 |
| CRP | Established Trees | CP11 | 125 | 10,557 | 84.72 |

Figure Legends

Figure 1. Location and boundary of original Yalobusha River Watershed, along with locations of the USGS and NSL stream gage stations.

Figure 2. Landuse map for Topashaw Canal Watershed.

Figure 3. Digital elevation model of the TC watershed.

Figure 4. The soil series distribution within the TC watershed.

Figure 5. Streamflow for LTC estimated from the streamflow rating curve plotted against the USGS streamflow measurements downstream at Hohenlinden.

Figure 6. The sediment rating curve for the upstream monitoring site on LTC.

Figure 7. The TC watershed and the experimental facilities within the LTC subwatershed. Sites 1, 2, 3, 4, 5, and 6 are raingages, site 2 is also the weather station, site 7 is a drop-pipe, site 8 is a gully flume, site 9 is a drop-pipe, site 10 is a gully flume, sites 11 and 12 are the large gully branches, site 13 is the LTC stream station, and site 14 is the USGS stream station.

Figure 8. Daily streamflow and sediment concentrations for calendar year 2001 at LTC and the USGS gage at Hohenlinden.

Figure 9. Annual soil loss by gully erosion derived from EQIP applications and the number of drop pipes installed through EQIP.

Figure 10. Survey results at selected times for the large gully in the LTC subwatershed.

Figure 11. Picture of large gully along the ditch (A), and the branch into the field (B).

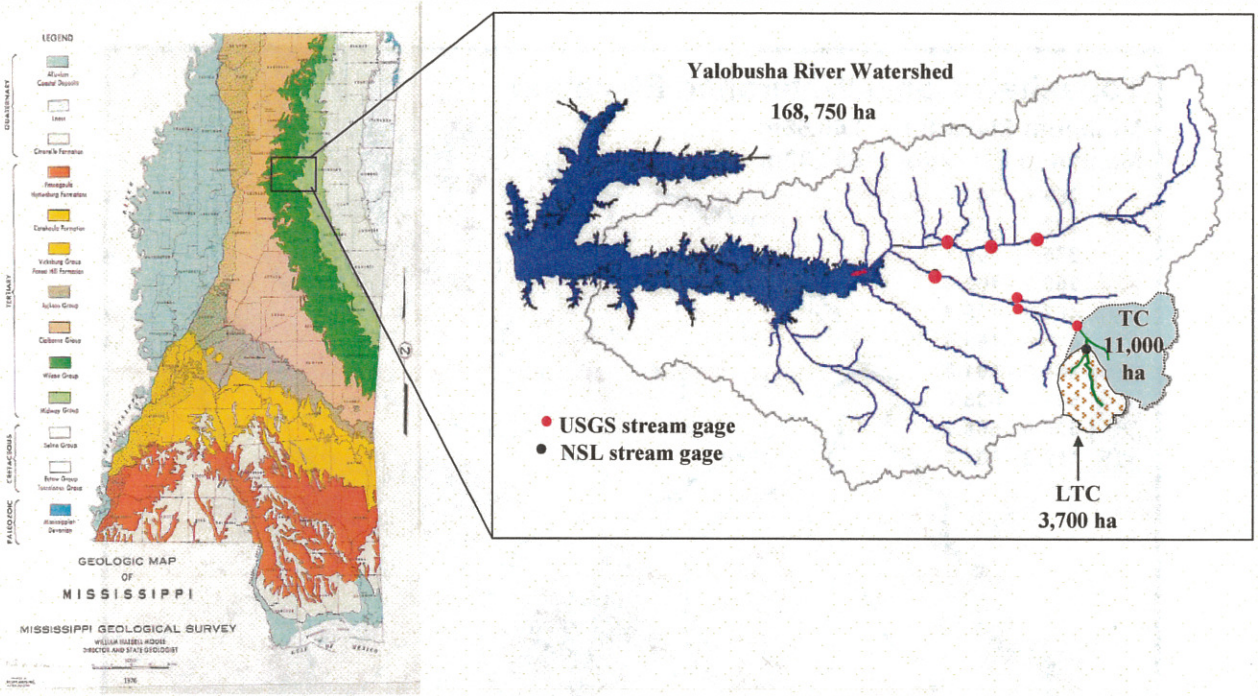



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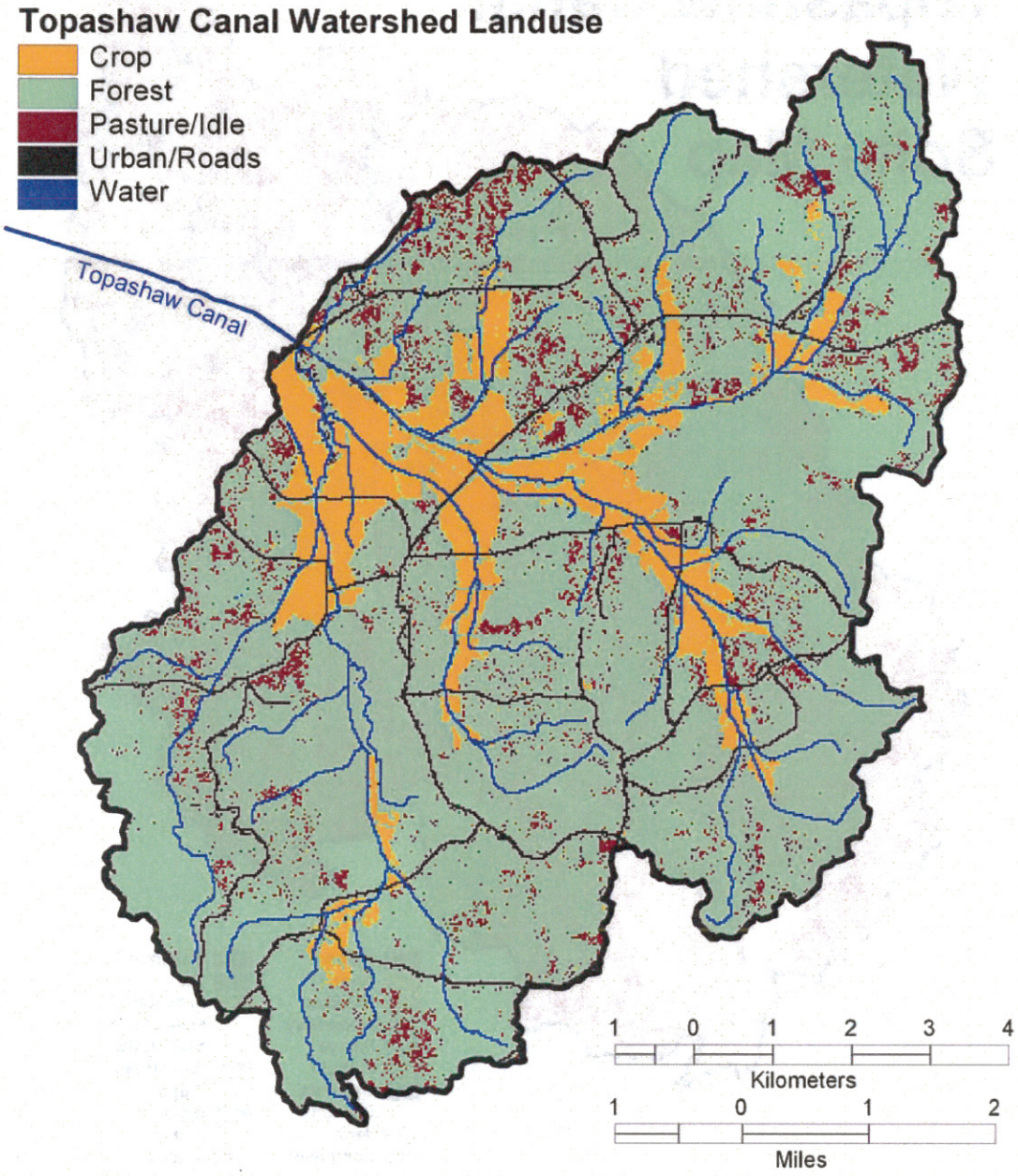



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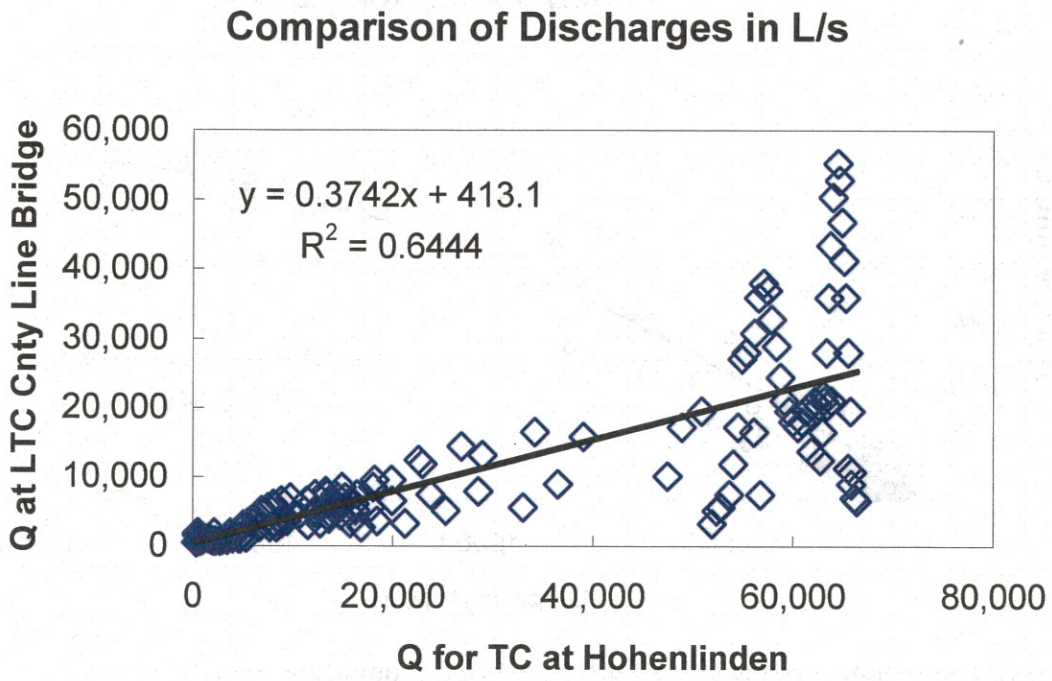



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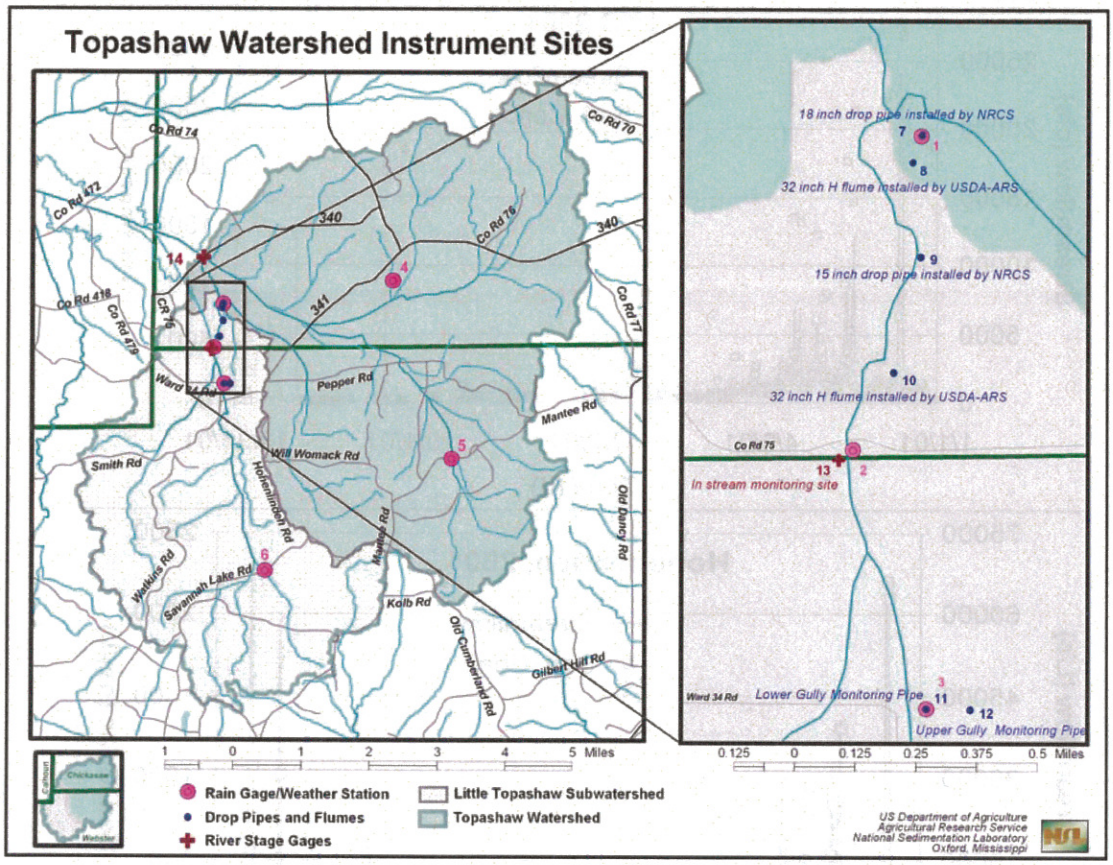



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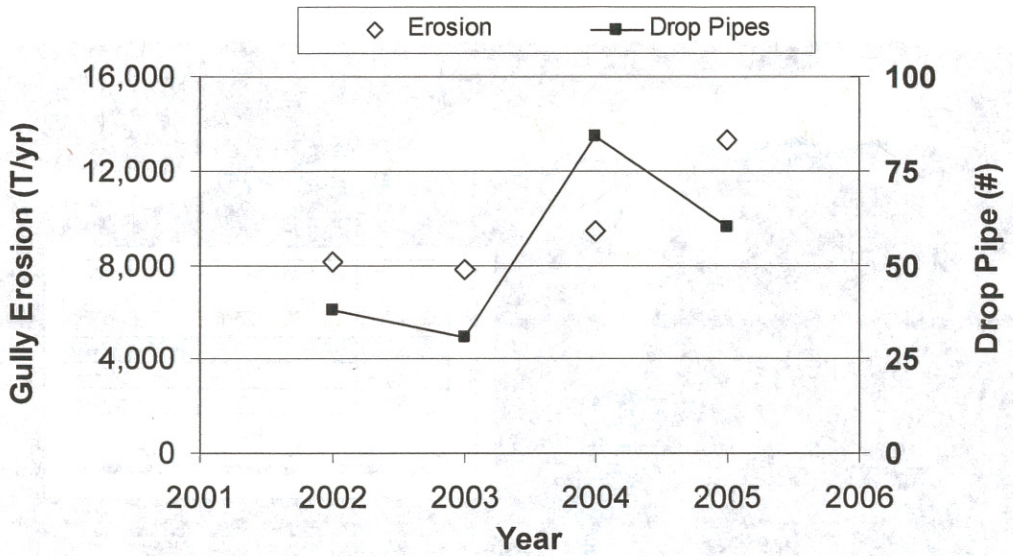



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(A) (B)



Figure 11. Picture of large gully along the ditch (A), and the branch into the field (B).