County of El Dorado

Baseline Pollutant Load Estimate Report

Lake Tahoe Basin

September 2011

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Executive Summary

The County of El Dorado (County) has been implementing water quality and erosion control projects in the Lake Tahoe Basin (Basin) since 1982 in order to stabilize erodible bare soils and to improve water quality runoff from its road Rights Of Way. Over the past 29 years the County has dedicated time, funding and staff resources on this initiative and has been successful in controlling fine sediment pollutant loading to Lake Tahoe.

Recently, the Lahontan Regional Water Quality Control Board (Lahontan) has completed a Total Maximum Daily Load (TMDL) analysis for Lake Tahoe[i] and has determined that an increased emphasis should be placed on controlling very fine sediment particles, which are less than 16 micrometers in diameter, from the urban areas surrounding Lake Tahoe. As a result, Lahontan adopted Basin Plan Amendments (BPA) to modify their water quality protection mandates so that the local jurisdictions focus their efforts in the Basin to work on controlling fine sediment loading. Along with the BPA, an updated National Pollutant Discharge Elimination System (NPDES) Permit will be adopted, requiring the local jurisdictions to participate in the Lake Clarity Crediting Program (LCCP). The LCCP is an entirely new administrative process to plan for, account for, track, report and monitor pollutants of concern. These new procedures are estimated to place a heavy financial and administrative burden on local jurisdictions within the Basin.

A major TMDL milestone, which was required by a 13267 Order (Order) issued by Lahontan in March 2011, is for the local jurisdictions to calculate their respective baseline pollutant loading estimates for fine sediment, total nitrogen and total phosphorus. This County of El Dorado Baseline Pollutant Load Estimate Report (Report) outlines the results of the County's findings in response to that Order.

The County utilized the Pollutant Load Reduction Model (PLRM) to estimate the baseline pollutant loading estimates for fine sediment, total nitrogen and total phosphorus from the County's jurisdiction in the Basin. The County aggregated its 338 defined subwatershed areas into 95 planning level catchments and modeled each of those 95 catchments; in doing so no extrapolation work was required in order to model the County's entire jurisdiction. Existing physical condition data were gathered and analyzed to inform the model to predict the most accurate pollutant loading estimates as possible. These data included area, land use, precipitation, soils, slope, road risk, road shoulder condition, directly connected impervious area and indirectly connected impervious area.

The County's baseline pollutant loading estimates are presented in the following table.

Total Area (Acres)[1]	Surface Runoff (acre-feet / year)	Pollutant Loading			
		FSP	TP	TN	Units
19,738	1,302 - 1,410 -	411,000 - 467,000	2,000 - 2,600	8,400 - 9,600	lb / year
		186 – 212	0.9 - 1.2	3.8 – 4.4	metric tons/ year
		2.1E+19 – 2.3E+19	-	-	# particles / year[2]

1. Both Urban and Non-Urban landuses (as defined for the TMDL) were included in the total area.
2. 1 Kg FSP = 1.1×10^{14} particles FSP[ii]

Despite the County's best efforts, there is inherent uncertainty in the County's baseline pollutant loading estimates due several to factors. One primary concern deals with catchment connectivity. Connectivity was not included in the County's baseline pollutant loading estimate because an established methodology has not yet been developed. The County plans to study catchment connectivity over the coming year and will request to adjust its baseline pollutant loading numbers based upon our catchment connectivity findings. Other weaknesses inherent to the baseline loading estimates come from technical difficulties encountered in the PLRM. Some of these flaws are inherent in hydrology based models in general and some are more particular to PLRM. These technical difficulties are discussed in more detail below in Section 2.6.

1.0 Background

1.1 Lake Tahoe Total Maximum Daily Load (TMDL)

Lake Tahoe is a national treasure and was designated by the Environmental Protection Agency (EPA) as an Outstanding National Resource Water (ONRW). In order to establish long term water clarity trends and monitor Lake Tahoe's health, Lake Tahoe clarity measurements have been taken consistently since 1968. The measurements have determined that on average, Lake Tahoe is losing approximately one foot of clarity each year. In order to begin to halt this trend, a TMDL was developed for Lake Tahoe. The TMDL process identifies the maximum load of a particular pollutant that a water body is able to assimilate while fully supporting its designated uses.

The Lake Tahoe TMDL has an endpoint target of the mean annual water clarity measured during the period from 1967 to 1971. In support of this effort, a watershed model was developed to: 1) determine basin-wide estimates for watershed loading of fine sediment and nutrients to Lake Tahoe based on land use types, 2) provide input to the Dynamic Lake Model (DLM) for the Clarity TMDL developed by the University of California at Davis[iii], 3) create a platform to determine the allowable pollutant load or load allocation from each watershed, and 4) project load reductions from various best management practices (BMPs) and other management scenarios.

As a result of the data collection and modeling efforts to date, it has been determined that an increased emphasis should be placed on controlling ultra fine sediment particle, less than 16 micrometers in diameter, delivery to the Lake from the urban areas surrounding Lake Tahoe. As a result, Lahontan adopted BPAs to modify their water quality protection mandates so that the local jurisdictions would focus their efforts in the Basin to work on controlling fine sediment.

1.2 Watershed Model & Lake Clarity Model

In October 2005, Tetra Tech, Inc. produced a report entitled *Watershed Hydrologic Modeling and Sediment and Nutrient Loading Estimation for the Lake Tahoe Total Maximum Daily Load*. This report outlined the scientific basis for sources of how and why Lake Tahoe's famed clarity has declined and suggested means and methods for halting and/or reversing that decline.

After identifying the sources of pollutants causing the decline in Lake Tahoe's clarity, the next step was to figure out how clarity will improve once the pollutant input is reduced. To address this step, Lahontan Water Board and Nevada Division of Environmental Protection (NDEP) contracted with the UC Davis Tahoe Environmental Research Center to develop the Lake Clarity Model (the initial funding to create a customized water clarity model for Lake Tahoe was provided by the United States Environmental Protection Agency (USEPA). By setting different input rates of nitrogen, phosphorus, and fine sediment, the computer model can predict how Lake Tahoe clarity might respond. It can test whether and how quickly different implementation strategies will reach the 97.4 feet clarity goal (TMDL Technical Report 2007)[iv].

As part of the TMDL scientific analysis both models were utilized and calibrated using actual monitoring data from which a direct linkage was accomplished between them. This was truly an enormous accomplishment with respect to providing a watershed model that can be used to further calibrate by measurements and link this to the Lake Clarity Model in order to assess the attainment threshold values that can be quantifiable. From this analysis, using the watershed model, a further loading breakdown of the 72% urban fine sediment estimate was provided with respect to % load allocations to each jurisdiction. The County's portion of the 72% baseline load estimate was set at 12% or 348 x 10^{18} particles times 0.12 equal to 417 x 10^{17} particles. From which, based on the proposed BPA, we would be required to reduce by 71% over 65 years or 297 x 10^{17} particles. After several iterations of comments and a thorough peer review of the report, Lahontan eliminated the baseline % allocations to each jurisdiction and required each jurisdiction to calculate their own baseline load using the report land use values and our own model or water quality loading methodologies. This was mostly due to inconsistencies with the watershed model.

1.3 Pollutant Load Reduction Study (PLRS)

The County is covered under NPDES Order Number R6T-2005-0026 and NPDES Number CA616001 which is administered by Lahontan. As a condition of that NPDES Permit, Lahontan required the local jurisdictions to conduct a PLRS which allowed the County the opportunity to investigate its jurisdiction in great detail to gain a heightened level of understanding on where pollutant loads are coming from within the County's Lake Tahoe jurisdiction. As part of this effort, the County developed a simple hydrologic model that allowed the County to calculate its very first jurisdiction scale pollutant loading estimate. The PLRS model was utilized by the County as a comparison tool against findings that were produced from the PLRM.

Additionally, a considerable amount of electronic mapping and data gathering took place to produce this PLRS. The County received the Tahoe land use Geographic Information System (GIS) layer that was developed by Lahontan for TMDL modeling along with associated event mean concentration (EMC) data for primary pollutants of concern (TSS, TN, TP, etc.) based on land use. The County also obtained watershed information from the United States Geologic Survey (USGS) and precipitation data from the Parameter-elevation Regression on Independent Slopes Model (PRISM) model. In order to store and analyze the data, the County produced an Access database along with AutoCAD files and a comprehensive GIS system. Finally, an Excel water quality model was developed by the County to utilize prioritization criteria developed by the County to help prioritize watershed and storm water outfall areas. All of these County-operated systems are linked together and are maintained and operated in-house to

provide the County with progressive up-to-date tools to help optimize water quality improvement. More detail is provided on these topics below.

The future prioritization and implementation of the County's projects will be dependent on this PLRS, the PLRM presented herein and on improved understanding of the mobilization, transport, and hydrologic connectivity of fine sediment to surface water bodies as well as the effectiveness of BMPs and the availability of funding to finance the design, construction, and maintenance of the most effective BMPs relative to improving the clarity of Lake Tahoe.

1.4 Baseline Load Calculation

In March 2011, Lahontan issued a the Order to the County which required the development of baseline pollutant loading estimates for fine sediment, total nitrogen and total phosphorus by September 1, 2011[v]. This Report outlines the results of the County's findings in response to that Order. These baseline pollutant loading estimates are anticipated to be placed into the County's next NPDES permit which will set the foundation for the load reduction requirements in order to meet the Lake Tahoe Clarity Challenge established by Lahontan.

2.0 Methodologies

2.1 Methods of Analysis

In accordance with Section 13267 of the California Water Code – Lake Tahoe Urban Stormwater Implementation, the County is required to use the PLRM or an equivalent method acceptable to the Lahontan Executive Officer to generate average annual pollutant load estimates. The County had previously looked into using two different models to calculate its baseline loads: 1) the PLRM[vi], which was developed by Northwest Hydraulic Consultants[vii] (NHC) to determine water quality benefits between project alternatives, and 2) a modified rational model developed by the County as part of its PLRS[viii] to estimate watershed scale pollutant loading. A detailed breakdown of the methods used for each analysis can be found in the referenced documents.

The basic equation used by both methods for calculating pollutant loads is as follows:

(i) $Pollutant\ Load = Area * Precipitation * Connectivity * Pollutant\ Concentration$

The parameters for each method are defined as follows:

	PLRS	PLRM
Area	$f(Watershed, Landuse, Ownership)$	$f(Watershed, Landuse, Ownership, Soil\ Type)$
Precipitation	$f(x, y, z)$	$f(x, y, z, t)$
Connectivity	$f(Impervious, Pervious)$	$f(DCIA, ICIA)$
Pollutant Concentration	$f(Landuse)$	$f(Landuse, Condition, Maintenance\ Practices)$

The PLRM could be classified as a complex model for its use of continuous hydrologic simulation (1 hour time step), while the PLRS could be classified as a simple model for its use of average annual precipitation. As was commented on by the reviewers and researchers who reviewed the methods of estimating pollutant load reductions, there are many different ways to approach estimating pollutant loads[ix]. In one case a simple model using GIS software and average annual volume was cited as appropriate for watershed-scale modeling because complex models tend to be data intensive and unnecessarily complex for the level of uncertainty in the input parameters[x]. It was also noted that simple spreadsheet models are most likely as accurate as complex models due to the lack of understanding of the transport processes[xi]. At the same time one reviewer found simple continuous simulation models more valid than mean annual volumes since it does not account for the frequency of storm events[xii]. While still another found continuous simulation more valuable because of the ability to account for build up and wash off of pollutant loads[xiii] (which neither PLRM nor PLRS utilized).

Since the other California jurisdictions utilized the PLRM for their baseline load estimation and because the other two California jurisdictions are included in the NPDES Permit, the County felt compelled to use this model in order to be consistent and to facilitate an easier comparison of loading results. That being said, each jurisdiction used different interpretations of the input parameters, and different extrapolation methods which will in turn create differing loading results and will compound the difficulties of comparison

2.2 Model Parameters

The discussion of model parameters is limited to the work completed using the PLRM. See Appendix A for the corresponding catchment figures and Appendix C for the parameters used for each catchment.

Watershed

As part of the County's PLRS, the County determined the boundaries for all catchments within the Basin which contained County Rights of Way ([xiv]). At that time the catchments totaled 338, with a total area of approximately 19,750 acres. The catchments were determined using a combination of USGA defined watershed boundaries, County Existing Conditions and Analysis Memorandum (ECAM) and field observations.

For consistency, the County used these defined boundaries as the basis for the PLRM modeled boundaries. No attempt was made to separate urban areas from non-urban areas as the County was defining overall watershed boundaries. The determination of urban versus non-urban was based on assigned land use as defined for the TMDL[xv] and is as follows:

> Urban: Single-Family Residential (SFR), Multi-Family Residential (MFR), Commercial Institutional / Communications / Utilities (CICU), and Transportation (Primary, Secondary, and Unpaved Roads).
>
> Non-Urban: Vegetated (includes Unimpacted, Turf, Recreational, Ski Areas, Burned, and Harvested)

The County used the approach outlined in the Lake Tahoe Clarity Crediting Handbook[xvi] to take "modeling drainage catchments" and group them into "urban catchments" with the definition of each as follows:

Urban Catchment: *A contiguous area containing urban land uses with runoff draining to a surface waterbody.*

Modeling Drainage Catchment: *A unique area fully contained within only one Urban Catchment.*

Based on the definitions above, the County has classified all of the original 338 watersheds as "Modeling Drainage Catchments". These, in turn were grouped into 95 "Urban Catchments" in order to facilitate easier modeling and reporting of the results. Since each watershed contains an urban land use, they can all be grouped into Urban Catchments. Because all watershed areas were accounted for and modeled, no extrapolation work was necessary.

Precipitation

The County is using the precipitation data that was developed for the TMDL and is being used in the PLRM. The data are from the eight SnoTel sites within the Basin and were compiled using the PRISM model[xvii]. This data is gridded at an approximately 800 meter grid (158 Acres). Not all planning catchments fell entirely within one grid cell, so to determine the correct cell the County used those cells that best represented the majority of the catchment area. It is anticipated that this will provide variability in the modeled pollutant loads.

Slope

The slopes for each of the watersheds were estimated using the USGS Digital Elevation Model for the Basin. The data are available from the Lake Tahoe Data Clearing House Website[xviii].

Land use

All land uses were determined from the GIS Layer defined by Tetratech for the TMDL. Though the layer is a snapshot in time, it was created as a composite dataset based on datasets which had undergone a quality assurance check[xix].

The land uses do not account for jurisdictional ownership, which includes all pervious land uses within the Rights of Way. The County used an in-house dataset of County and California Department of Transportation (Caltrans) Rights of Way in order to determine the jurisdictional ownership. In the areas where the County Right of Way is not defined (i.e. sections of Pioneer Trail, Sawmill Road, etc.), the boundary limits were estimated using overall responsibility of maintenance.

Ownership

This parameter was utilized to determine jurisdictional ownership with respect to the Rights of Way. Within certain areas of the County, there exists the opportunity for comingling of flows with Placer County (Placer), Caltrans and the City of South Lake Tahoe (City).

In the case of the City, no flows were modeled to discharge into the County. Caltrans areas, and subsequent loads, were removed from each catchment to focus the modeling effort solely on the County baseline load.

Soil Type

All soil data were taken from the 2006 Tahoe Basin Soil Survey completed by the Natural Resources Conservation Service (NRCS)[xx]. An intersection analysis was completed in GIS to extract the soils data within each of the defined watersheds. This was then used as input into the PLRM Soil Editor.

Note that the soil data input into the PLRM is independent of the Vegetated land uses.

Land use Conditions

Road Risk

Road risk is used as the overall determination of the pollution potential for road segments. The County used the GIS layer of Road Risk as defined by NHC as a starting point for determination of overall road risk. Using the guidelines established in the PLRM Users Manual[xxi], the County made adjustments to this layer to reflect school bus routes, Primary / Secondary Road intersections, and upgrading of certain high volume roads. The refined County road risk layer is available upon request.

The County did not have pre-2004 data to suggest changes to overall slope, traffic density, and adjacent land use; however these changes are not considered to have a significant impact to pollutant load estimation. Exclusive of the changes outlined above, no additional changes were made to this layer.

Road Shoulder - Condition

A subset of the road risk which is input into the PLRM is the road shoulder condition. The County used the GIS layer of road shoulder condition as defined by NHC as the starting point. The layer reflects the 2010 condition, as defined by NHC, and required adjustment for assessing pre-2004 road shoulder conditions. Changes were made to this layer based on previous ECAMs, photographic evidence and in-house knowledge to a pre-2004 condition. These changes include adjustments to the overall road shoulder condition (Erodible, Stable, Protected, and Stable & Protected).

Due to differences between the spatial format of the Shoulder Condition layer and the Road Risk layer, the County was unable to extract the Shoulder Condition as a function of Road Risk. Due to this constraint, the County applied the overall shoulder condition for the Urban Planning Catchment to each of the estimated road risk categories.

Road Shoulder – Connectivity

For the pre-2004 baseline condition, the County used the NHC defined road shoulder shape file as a starting point, which had classified each shoulder within the Tahoe Basin as Directly Connected Impervious Area (DCIA) or Indirectly Connected Impervious Area (ICIA). These parameters are defined as[xxii]:

> DCIA: Impervious surfaces draining to a conveyance system.
>
> ICIA: Impervious surfaces draining to pervious surfaces that promote infiltration, distribution and energy dissipation, or storage prior to overflow draining to a conveyance system.

Changes were made to this layer based on previous ECAMs, photographic evidence and in-house knowledge of the pre-2004 condition. The County calculated the % DCIA /

% ICIA to the nearest whole percent due to the availability of the data. The PLRM Users Manual recommends taking this value to the nearest 20% (i.e. 20%, 40%, 60% …) as "… estimation closer than about 10% may provide diminished returns in modeling results …"[xxiii].

Baseline Load Condition Requirements

In accordance with Section 13267 of the California Water Code – Lake Tahoe Urban Stormwater Implementation, the County is required to submit a technical report which includes the methodology used by the County to determine its estimated baseline pollutant load. As part of that order, the baseline conditions to be used as input into the PLRM are outlined and summarized in Table 1.

Table 1: Required PLRM Input Parameters for Baseline Conditions Estimate

Description of PLRM Input	Land Use	PLRM Input
Road Abrasive Application Strategy	Secondary Roads – All Road Risk Categories	Minimal Controls
	Primary Roads – All Road Risk Categories	Moderate Controls
Sweeper Type	Secondary Roads – All Road Risk Categories	Mechanical Broom
	Primary Roads – All Road Risk Categories	Mechanical Broom
Sweeping Strategy	Secondary Roads – All Road Risk Categories	2 times per year
	Primary Roads – All Road Risk Categories	4 times per year
Private Property BMP Implementation	Single-Family Residential	7% of Land Use
	Multi-Family Residential	19% of Land Use
	CICU	5% of Land Use
	Vegetated Turf (general)	0% of Land Use
	Vegetated Turf (golf course)	100% of Land Use
	All Land Uses	0% Source Control Cert

2.3 Model Parameterization

Software

The County utilized the combination of Arc View, AutoCAD and Microsoft Access to determine the break out of soils, land use, road risk, shoulder condition and road connectivity parameters as a function of each watershed. The above-mentioned software enabled easier aggregation of the watersheds into planning level catchments and also facilitated calculating the percent breakout of each parameter mentioned above within each catchment. Since the data for each of the parameters was available, the County determined there was no need to extrapolate the pollutant loading estimates.

Treatment

The County used its BMP database to account for existing treatment capacity prior to 2004 within each catchment. Using this information, the County is able to calculate the total sump volume for all infiltrating hard structures (Drainage Inlets, Sediment Traps, etc.). The County is also to calculate the total treatment volumes from all treatment facilities (Basins, Vaults, etc.), including estimating the surface area for infiltration. This data was summed for each catchment and was modeled in PLRM.

In the model, the County had to account for infiltration from all of its treatment BMPs which were installed prior to 2004. However, infiltration has proven to be a difficult parameter to estimate on an average annual basis. The County has utilized the Constant Head Permeameter (CHP) developed by NRCS[xxiv] to measure infiltration rates. The measured values have ranged from <0.05 in/hr to >2 in/hr and represent the infiltration rate and soil condition for that time and date of the test. The measurements that are >0.5 in/hr exceed the suggested values given for the PLRM[xxv]. In order to be consistent with how the other jurisdictions approached infiltration rates, the County assumed an average annual percolation rate of 0.05 inches/hour for all basins and infiltrating structures.

This issue of measured infiltration rates as a surrogate for average annual infiltration rates will need to be further studied and resolved. The current draft NPDES permit requires the use of the BMP Rapid Assessment Methodology (RAM) tools to assess the condition of an infiltrating treatment facility. The CHP is identified as the method for this assessment[xxvi]. There is debate on the proper use of this tool for measuring infiltration rates, as the CHP was designed to measure the transmission rate below the free surface and not what the infiltration rate is at the free surface.

There is also a discrepancy between treatment opportunities within the jurisdictional Rights of Way versus the residential and commercial areas. When an SFR, MFR, or CICU is given a certificate for installation of BMPs, it is assumed that those BMPs will treat 1 inch of storm water from the respective impervious surface. The treatment capacity is based on BMP volume and infiltration rates based on either CHP measurements or NRCS Soil Types[xxvii], where the rates can be >5.67 inches/hour[xxviii].

Extrapolation

Since the other jurisdictions chose to estimate pollutant loads using an extrapolation of modeled watersheds, the County opted to look at a limited set of data to determine if extrapolation could have been utilized. In order to be able to compare to the work of Placer and the City, the County compared the parameters from the urban land uses, as defined in the TMDL, to the fine sediment particle load per year per acre of urban land use. The results varied, in that depending on the data set selected, a single variable regression provided both good and poor correlation. In areas of poor correlation, it is assumed that a multi-variable regression could have provided better correlation of the modeled results. It is important to note that the regression analysis was only on the modeled results. Without a check against measured values, there is no way to test the validity of the modeled and extrapolated results.

Based on the knowledge base at the time of estimation, each jurisdiction has proposed using different approaches to estimate their respective baseline loads. To supplement the PLRM results, Placer is using a single-variable regression to extrapolate the results, the City is using a multi-variable regression to extrapolate their results and the County is modeling all catchments, with no extrapolation. This showcases the likelihood for variation in pollutant load estimates between the jurisdictions, even though all have used the same version of the PLRM.

2.4 Assumptions

In order to model its baseline pollutant load estimates, the County had to make numerous assumptions. These include the following:

- All catchments were modeled as if all the storm water within each catchment drains directly to treatment device (drainage inlets, sediment traps, basins). The treatment devices were not modeled as distributed systems, even though that is how they are spatially distributed, due to the inefficiencies of the PLRM. This will affect the modeled treatment efficiency results.
- Infiltration rates for treatment basins, drop inlets and sediment traps were assumed to be constant throughout the year, which is likely not the case.
- All catchments were modeled as if they were 100% connected, which is known to be inaccurate. See Section 2.5 below for further discussion of this issue.
- All pollutant loads were assumed to be static, with no variability by season or by buildup and washoff, which is an inherent flaw in the PLRM.

2.5 Catchment Connectivity

Catchment connectivity is an unknown that the County and the other local jurisdictions need to gain a better understanding of in order to have greater confidence in the baseline pollutant loading estimates. The County submits this Report without considering catchment connectivity because an accepted methodology does not exist to model catchment connectivity and rather than essentially 'guessing' the County decided not to include it at this time in its estimate. Over the next year or so, the County, along with other local jurisdictions, plans to conduct research and further field analysis in order to establish a methodology to model average annual catchment connectivity. Once this is developed, the County anticipates submitting a request to Lahontan to re-open the NPDES permit to adjust its baseline pollutant loading number to more accurately reflect real world conditions.

2.6 Technical Difficulties

Numerous technical difficulties were encountered throughout the process of developing baseline pollutant loading estimates. These difficulties do not provide the County a sufficient level of comfort with the model estimates and thus the County is working to resolve some of these issues in order to provide Lahontan loading estimates that it is comfortable with. Some of the technical difficulties include, but are not limited to the following:

- PLRM errors were encountered regarding catchment area (too large, too small, etc.). Thus a sensitivity analysis should be performed to determine the model limits where accurate results can be achieved from modeling catchments of varying sizes.

- In PLRM, the 'Areas Draining to Infiltration Facilities' function was not working properly and provided inaccurate model results based on an apparent algorithm error. Thus, this function could not be used in the model and the County was required to utilize other methods to model treatment. For instance, when the user inputs the percentage of the area draining to this feature, the program assumes that the DCIA is 100%. In the cases where DCIA is less than 100%, it is possible to show an increase in load with the addition of infiltration facilities.

- In PLRM, the 'Areas Draining to Pervious Dispersion Areas' function was not working properly and provided inaccurate model results based on an apparent algorithm error. Thus, this function could not be used in the model and the County was required to utilize other methods to model treatment. For instance, when the user inputs the percentage of the area draining to this feature, the program assumes that the DCIA is 100%. In the cases where DCIA is less than 100%, it is possible to show an increase in load with the addition of pervious dispersion areas.

- In PLRM, there is no mechanism to model soil types so that they are spatially accurate in the model. Thus, the County believes that a sensitivity analysis should be performed to determine the impacts that this lack of functionality creates.

- The data set was not available to model Road Shoulder Condition as a function of Road Risk. Thus, the County believes that this data layer should be created so that it can be used in future modeling efforts.

- There is no proven method to calculate or model average annual catchment connectivity; thus the County requires advisory feedback to further define connectivity and additional time will be required to further understand this concept in order to incorporate it into its baseline pollutant load estimates to reflect more accurate, real-world pollutant load delivery.

- Data on infiltration rates for treatment systems is limited and there is a lack of consistency between the methods applied to public versus private infiltration facilities. By investigating this issue further, a consistent approach can be utilized to determine conditions on the ground which will further establish accurate loading results.

- Hydrologic routing flaws are evident in PLRM which has limited the County's ability to accurately model watershed loading and treatment.

- PLRM in its current form does not allow for calibration to measured data which does not provide the County with a sufficient level of comfort with the modeled loading estimates.

- PLRM was found to provide erroneous treatment results for infiltration basins with small surface area footprints. The errors encountered were inconsistent, however when the errors occurred the runoff loads, as modeled, were eliminated.

3.0 Results

3.1 Baseline Pollutant Loading Estimates

The table below contains the County's baseline loading estimates for fine sediment particles, total nitrogen and total phosphorus.

Total Area (Acres)[1]	Surface Runoff (acre-feet / year)	Pollutant Loading			
		FSP	TP	TN	Units
19,738	1,302 - 1,410 -	411,000 - 467,000	2,000 - 2,600	8,400 - 9,600	lb / year
		186 – 212	0.9 - 1.2	3.8 – 4.4	metric tons/ year
		2.1E+19 – 2.3E+19	-	-	# particles / year[2]

See Appendix B for individual catchment results and Appendix D for a summary.

In the table above, the Total Area is shown as this is the area that was utilized in the PLRM load calculation. The County opted not to give the Total Urban Area as the County defined its urban area differently than the other California jurisdictions. The County is using the TMDL definition of Urban Land Uses to define an Urban Area, as opposed to the other California jurisdictions which have defined the urban areas using the limits of Tahoe Regional Planning Agency (TRPA Plan) Areas. The County did not want to confuse the issue and present an area that could not be compared directly to the areas defined by the other jurisdictions.

The range in values represents the totals for two separate model runs for all catchments. One run represents the Pre-2004 condition without any additional treatment and the second run represents the pre-2004 condition with treatment (drainage inlets, sediment traps, basins, and vaults). The upper limit is an estimate of loads as function of road risk, shoulder conditions, and maintenance practices, while the lower limit assumes that all storm water runoff from each catchment flows through the treatment facilities. The County knows that this last point is not correct and therefore cannot select this value as its baseline load value.

Pollutant load ranges were estimated due to routing issues within the model and inaccuracies with the model precision. In most watersheds, the modeled values are based on all flow being routed to a specific location with the assumption that all the treatment was occurring at the end of pipe (outfall). This simply is not the case in most watersheds and limits the value of the load data and associated uncertainties with regard to treatment. Therefore, limits are presented with the data being the upper limit has minimal treatment and the lower limit having full treatment of most runoff in the watershed. Flow routing issues within the model leave uncertainties and those uncertainties the County is not willing to guess on, so a range is offered.

The following table outlines the pollutant load reduction milestones that the County will be required to meet over the next 15 years in order to meet the Clarity Challenge.

Pollutant	5-Year	10-Year	15-year Milestone	Transparency

	Milestone	Milestone	(Clarity Challenge)	Standard (65-Year)
FSP	10%	21%	34%	71%
TP	7%	14%	21%	50%
TN	8%	14%	19%	46%

3.2 Resolution

The baseline loading estimates have error bars of approximately ±14% between the baseline and 100% through flow treatment values. There are additional uncertainties expected based on the following:

- number of significant digits used with each model parameter;
- duration used in the model simulation (County used 6 year for baseline estimate)

Pollutant load ranges were estimated due to routing issues within the model and inaccuracies with the model precision. In most watersheds, the modeled values are based on all flow being routed to a specific location with the assumption that all the treatment was occurring at the end of pipe (outfall). This simply is not the case in most watersheds and limits the value of the load data and associated uncertainties with regard to treatment. Therefore, limits are presented with the data being the upper limit has minimal treatment and the lower limit having full treatment of most runoff in the watershed. Flow routing issues within the model leave uncertainties and those uncertainties the County is not willing to guess on, so a range is offered.

3.3 Model Calibration

The County wishes to continually work to calibrate its loading estimates with field data measurements and observations. This is critical in order to gain an accurate understanding of how conditions on the ground, management practices and hydrology drive lake clarity.

The PLRM was originally created for project evaluation alternatives analysis and was not intended to be applied to a catchment aggregation as is being conducted by all California agencies. Calibrating a continuous simulation model for hydrology is nearly impossible and therefore the model cannot be successfully calibrated to field measurements as running continuous simulation requires many years of Meteorological data and individual storms with limited data. Therefore, comparing the data is not an apple to apples exercise. Monitoring data can however help us calibrate for things such as connectivity, first flush, total volume, etc. To calibrate a model we would have to run the model in PCSWMM or HEC-HMS for an individual storm and then calibrate that watershed individually. This calibration cannot be applied to all watersheds, but only the watershed under investigation. Parameters that can be calibrated in the PLRM may include EMCs, treatment vaults or other such systems, but no continuous models, as far as we know, can be adequately calibrated for hydrology. The baseline loads as represented in the analysis will continue to be refined, however it is uncertain “if and how” the model can be calibrated / updated and who’s responsibility it will be to pay for it.

Currently, the new NPDES permit R6T-2011 is encouraging a Regional Stormwater Monitoring Program (RSWMP) be emphasized as a means to develop a mechanism for

the validation and calibration of TMDL tools and loads. This permit and the program are anticipated to require catchment scale runoff monitoring and BMP effectiveness monitoring. The concept is that collecting this data will inform the adaptive management of the PLRM to help refine and determine the affects of real world scenarios to estimated modeled values to more accurately adjust baseline loads and future load reduction targets. The strategy behind this program is currently in development.

Lastly, the PLRS results as previously developed by the County were remarkably comparable to the results as generated from the recent PLRM analysis. The results as delivered for the initial NPDES outfall and load reduction strategy (PLRS) will continue to be refined and compared along with the PLRM model results (See Appendix D). The two models operate on different platforms using different methods for analysis; however both are responsive to Right of Way imperviousness and calculate average annual pollutant loads similarly for varying land uses and associated EMCs. The County has investigated catchment connectivity and developed papers to emphasize the need for further refinement. Data collection with regard to this effort is critical which includes field measurements and observations of flow at discharge locations. Currently, the way the monitoring and reporting program is being developed, it is specifically oriented toward PLRM validation and calibration, which is good for understanding EMCs and treatment efficiency, however has its limitations when evaluating rainfall-runoff relationships as continuous simulation models are not easily calibrated (if at all) for hydrology. The ability to link modeled average annual data to actual frequency based events and the translation to individual storm events is lacking. These types of individual storms are best calibrated to watersheds using HEC-HMS or PCSWMM and actual event based meteorological and flow data for validation / calibration / adjustments. This cannot be completed in PLRM. There is also the need for monitoring to
assess parameters during rain events to understand the transmission losses post outfall and the measured connectivity during varying individual rainfall events and seasons. Regardless of what connectivity model is used basin wide; this information is needed to validate connectivity assumptions and accuracy of models. There is still much work to be completed with regard to this effort in understanding generated pollutant loads, their buildup–washoff processes, seasonal variations for EMCs and connectivity. Similarly adjustments will need to be made for future data as our understanding of varying maintenance processes including sweeping and winter aggregates change and evolve.

4.0 Next Steps

4.1 Refinement

As mentioned, throughout the NPDES permit cycles, the County wishes to continue to refine its baseline loading estimate as information and a greater understanding of processes allow refinement. The assumptions and model parameters are anticipated to be validated and then calibrated as data continues to inform management decisions with increased knowledge and understanding of process and function. However, as discussed, calibrating a continuous simulation model for flow is very difficult being the period of meteorological record used in its development. Future calibrations should include; validation of EMCs used in the model for road shoulder, road condition, BMP effectiveness, sweeping and winter aggregate usage.

The draft NPDES permit includes a monitoring and reporting program that requires the local jurisdictions to conduct annual monitoring including catchment scale and BMP effectiveness monitoring. It is anticipated that this information will allow the local jurisdictions to adaptively manage the PLRM and TMDL. As a result of model parameters calibration, it is anticipated that the baseline pollutant loading estimates will change; therefore it is paramount that flexibility be established in the TMDL program to allow for updates as information and data suggests the need for baseline changes.

4.2 Pollutant Load Reduction Plan (PLRP)

It is anticipated that in December 2011, Lahontan will adopt an updated NPDES permit for the California Local Jurisdictions. This permit will include TMDL requirements, one of which is to reduce the baseline pollutant loads by 10% at the end of the five year permit term. Another major milestone, which will be required by the updated NPDES permit, will be the creation of a Pollutant Load Reduction Plan (PLRP). This PLRP will lay out the path ahead for how and where the County will reduce pollutant loads from its jurisdiction in order to meet the load reduction targets outlined in the permit. After the first permit term, all stakeholders will have a greater understanding of how much progress is being made toward meeting the Clarity Challenge established by Lahontan.

5.0 Conclusions

The County has worked diligently on calculating its baseline pollutant load estimate and is proud of its effort to date, however this baseline pollutant loading estimate is submitted knowing that inherent uncertainties and technical difficulties exist and the County anticipates re-opening the NPDES permit in the future to adjust its baseline loading numbers with updated information.

In the near-term, Lahontan has mentioned many times that it plans to accept the risk associated with modeling uncertainties and will honor baseline load estimates produced by PLRM for the duration of catchment credit schedules, which are proposed by a jurisdiction and approved by Lahontan [xxix].

6.0 References

[i] Lahontan Regional Water Quality Control Board (LRWQCB) and Nevada Division of Environmental Protection (NDEP). 2010. Final Lake Tahoe Total Maximum Daily Load. http://www.swrcb.ca.gov/rwqcb6/water_issues/programs/tmdl/lake_tahoe/docs/tmdl_rpt_nov2010.pdf

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[iii] Taylor, K, Susfalk, R., Schladow, G, 2004. Near-shore clarity at Lake Tahoe: status and causes of reduction. Publication No: 41193. Desert Research Institute Division of Hydrologic Sciences.

[iv] Lahontan Regional Water Quality Control Board (LRWQCB) and Nevada Division of Environmental Protection (NDEP). September 2007. Lake Tahoe TMDL Technical Report.

[v] Lahontan Regional Water Quality Control Board. 2011. Order to Submit Technical Reports in Accordance with Section 13267 of the California Water Code – The Lake Tahoe Urban Stormwater Implementation.

[vi] Northwest Hydraulic Consultants (NHC). 2010. PLRM Applications Guide. Prepared for Lake Tahoe Basin Storm Water Quality Improvement Committee. South Lake Tahoe. CA. http://www.tiims.org/TIIMS-Sub-Sites/PLRM/docs-downloads.aspx

[vii] Northwest Hydraulic Consultants, Inc. (NHC). December 2009. Pollutant Load Reduction Model (PLRM): Users Manual.

[viii] El Dorado County Department of Transportation – Tahoe Engineering Unit (EDC). 2009. El Dorado County – Tahoe Basin 2009 Pollutant Load Reduction Strategy. Board Order No. R6T-2005-0026, NPDES Permit No. CAG616001, WDID No. 6A099110003.

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[x] NHC, 2006. Appendix D, Pg D-8.

[xi] NHC, 2006. Appendix D, Pg D-9.

[xii] NHC, 2006. Appendix D, Pg D-11.

[xiii] NHC, 2006. Appendix D, Pg D-15.

[xiv] EDC, December 2009

[xv] Tetratech, February 2007. Watershed Hydrologic Modeling and Sediment and Nutrient Loading Estimation for the Lake Tahoe Total Maximum Daily Load. Pg 29

[xvi] LRWQCB and NDEP. September 2009. Pg TT-14.

[xvii] NHC, August 2009. Pollutant Load Reduction Model (PLRM) Model Development Documentation. Pg 9. http://www.tiims.org/TIIMS-Sub-Sites/PLRM/docs-downloads.aspx

[xviii] http://tahoe.usgs.gov/DEM.html

[xix] Lahontan, June 2010. Lake Tahoe Maximum Daily Load Technical Report. Pg 4-34.

[xx] United States Department of Agriculture, Natural Resources Conservation Service. 2007, Soil Survey of the Tahoe Basin Area. California and Nevada. Accessible online at: http://soils.usda.gov/survey/printed_surveys/.

[xxi] NHC, December 2009. Pg 52 – 54.

[xxii] NHC, December 2009. Pg 77.

[xxiii] NHC, December 2009. Pg 75

[xxiv] National Resource Conservation District (NRCS), June 2010. Constant Head Permeameter (CHP) Construction and Implementation Guide. USDA, South Lake Tahoe Field Office.

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[xxvi] 2nd Nature , September 2009. Best Management Practices Maintenance Rapid Assessment Methodology: BMP RAM User Manual V.1. Pg 49.

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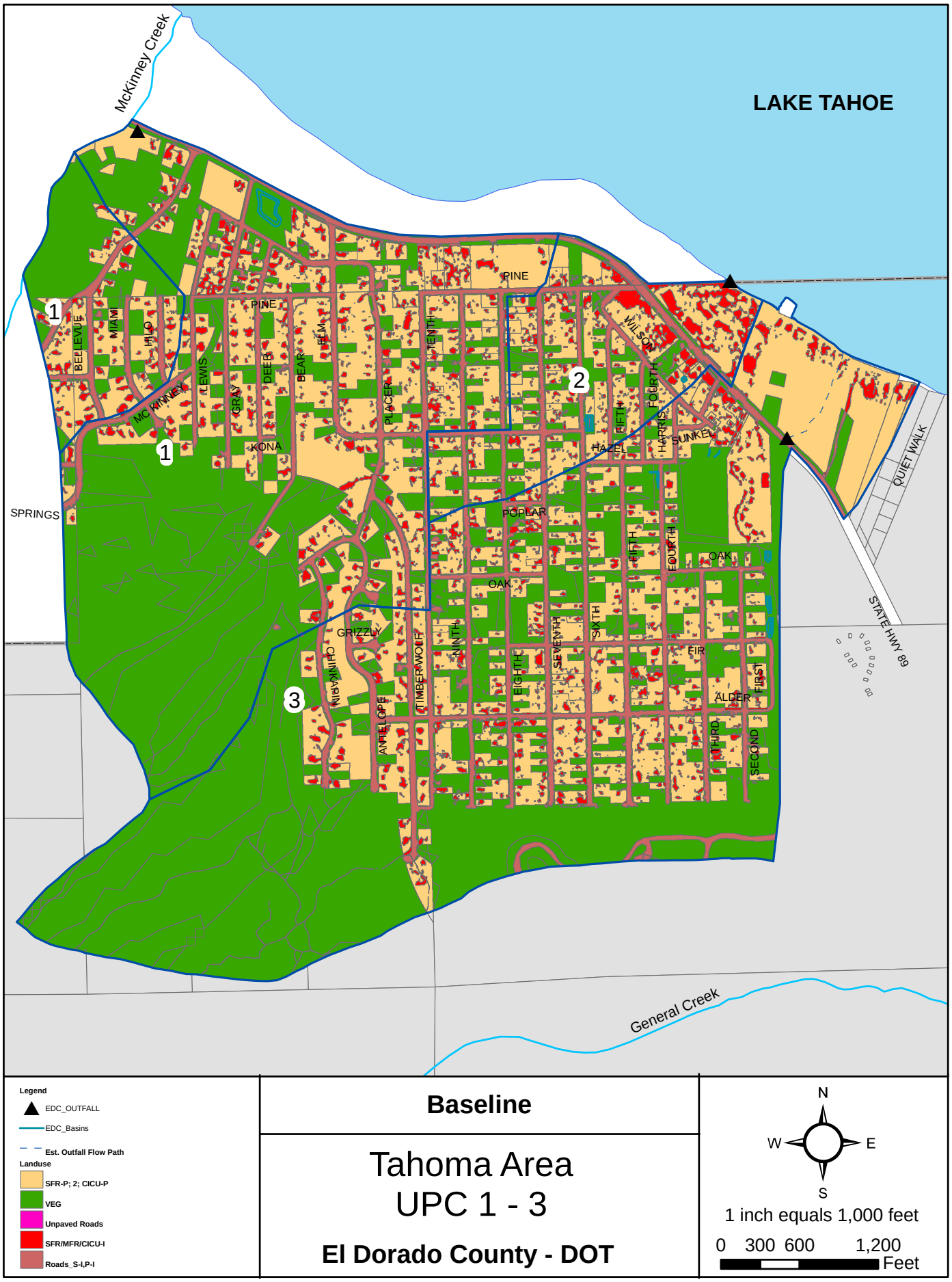
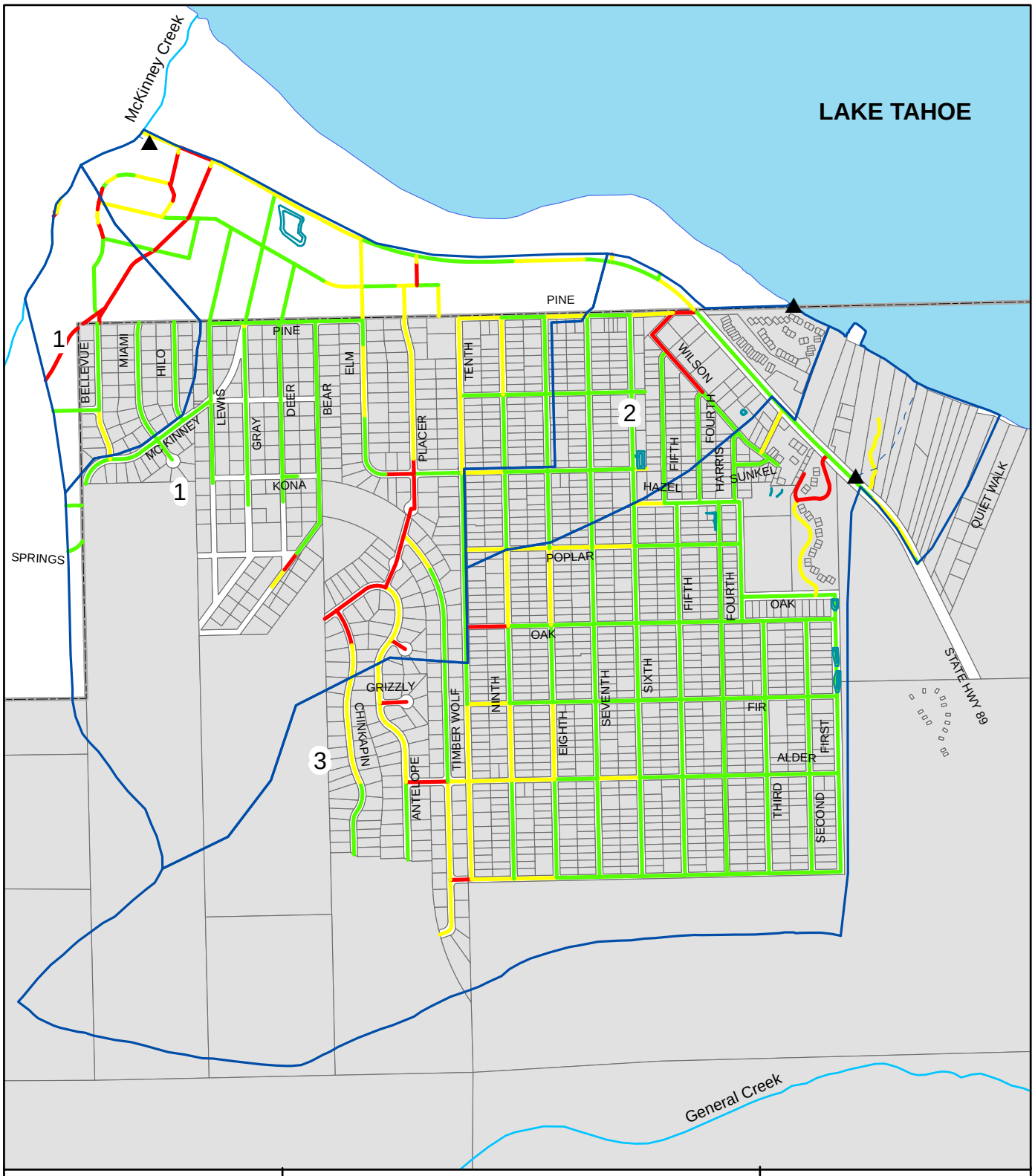
APPENDIX A



Baseline

Tahoma Area
UPC 1 - 3

El Dorado County - DOT



Legend

- EDC_OUTFALL
- EDC_Basins
- **Est. Outfall Flow Path**

Road Risk

- **High**
- **Moderate**
- **Low**

Baseline

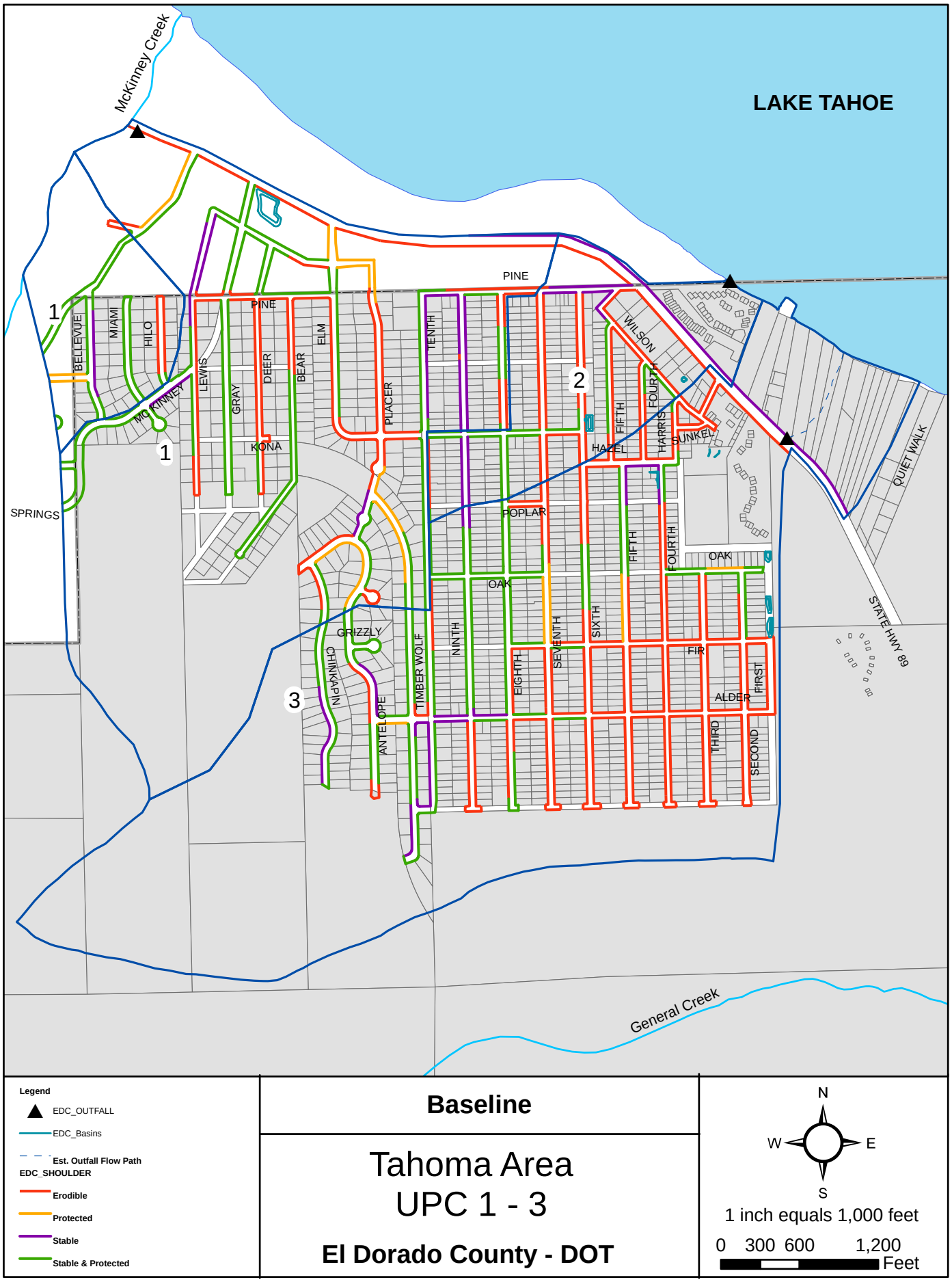
Tahoma Area
UPC 1 - 3

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 300 600 1,200 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDC_SHOULDER

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

Tahoma Area
UPC 1 - 3

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 300 600 1,200 Feet

Legend

- EDC_OUTFALL
- EDC_Basins
- **Est. Outfall Flow Path**
- **DCIA**
- **ICIA**

Baseline

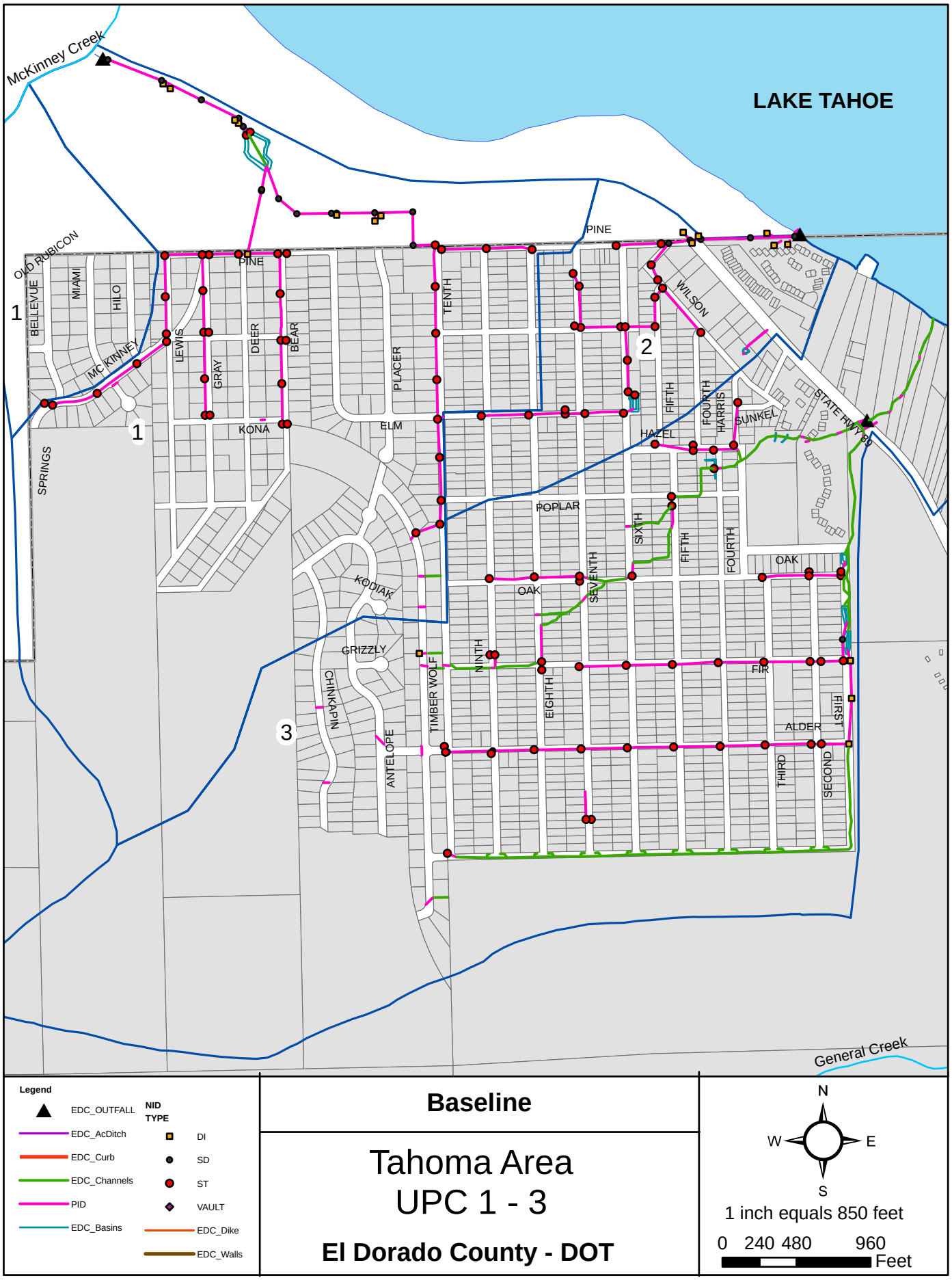
Tahoma Area
UPC 1 - 3

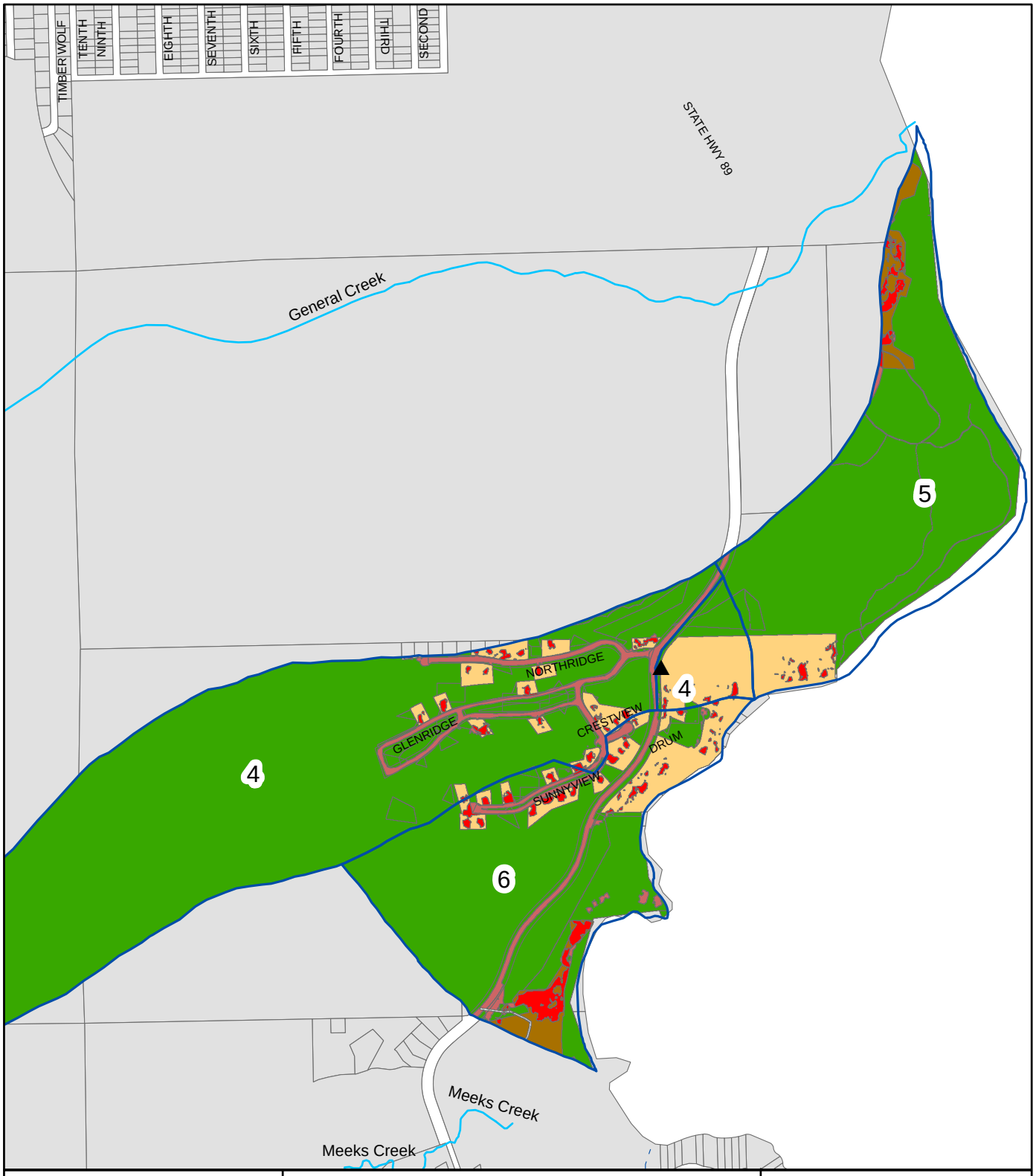
El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 300 600 1,200 Feet


McKinney Creek
LAKE TAHOE
OLD RUBICON
PINE
BELLEVUE
MIAMI
HILO
MC KINNEY
LEWIS
GRAY
DEER
BEAR
PLACER
TENTH
WILSON
FIFTH
FOURTH
HARRIS
SUNKEL
STATE HWY 89
HAZEL
KONA
ELM
SPRINGS
POPLAR
SIXTH
SEVENTH
OAK
KODIAK
GRIZZLY
CHINKAPIN
TIMBER WOLF
NINTH
EIGHTH
FIR
ALDER
FIRST
SECOND
THIRD
ANTELOPE
General Creek
1
2
3
Legend
EDC_OUTFALL
EDC_AcDitch
EDC_Curb
EDC_Channels
PID
EDC_Basins
NID TYPE
DI
SD
ST
VAULT
EDC_Dike
EDC_Walls
Baseline
Tahoma Area
UPC 1 - 3
El Dorado County - DOT
N
W
E
S
1 inch equals 850 feet
0 240 480 960
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

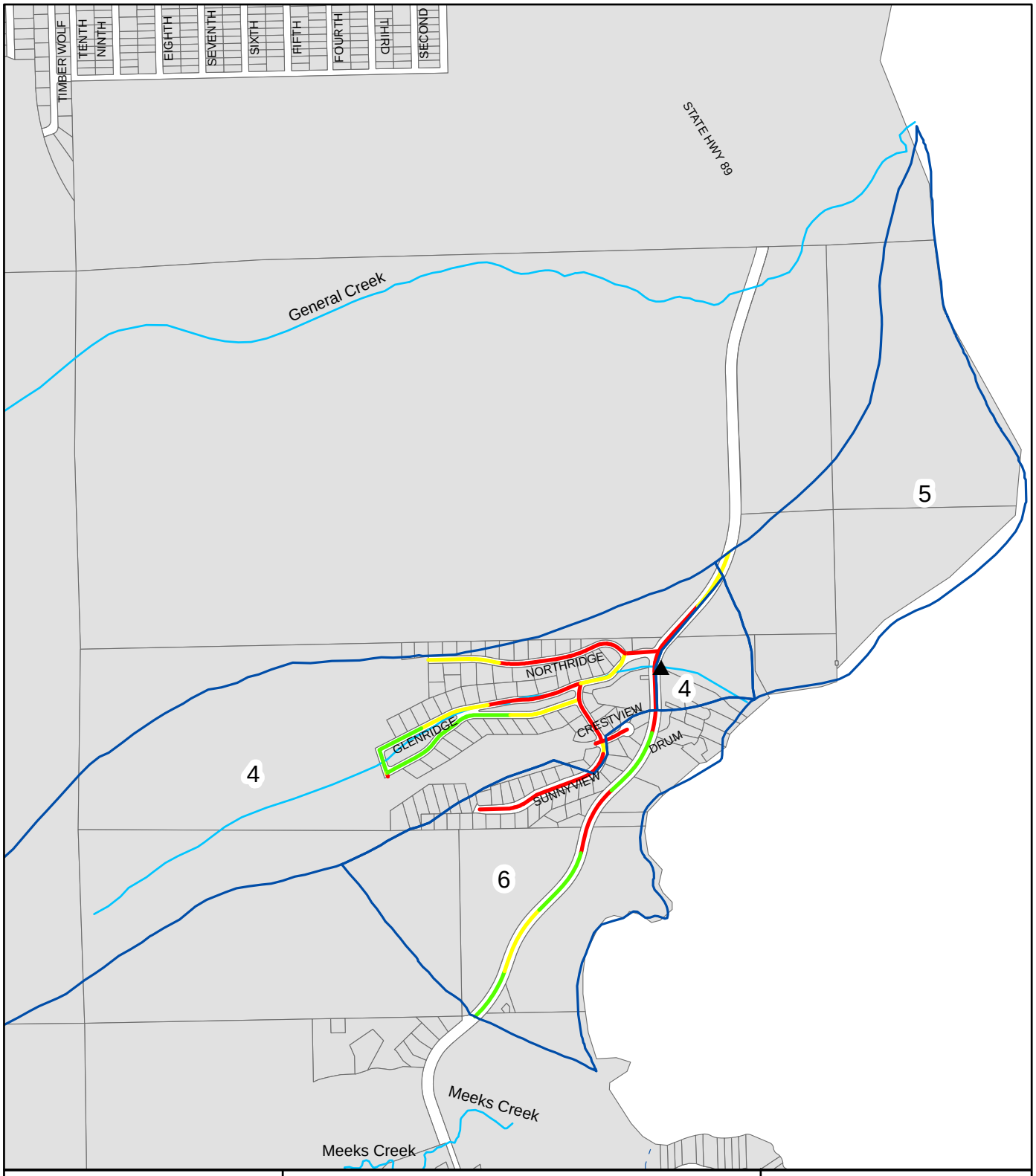
Glenwood
UPC 4 - 6

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

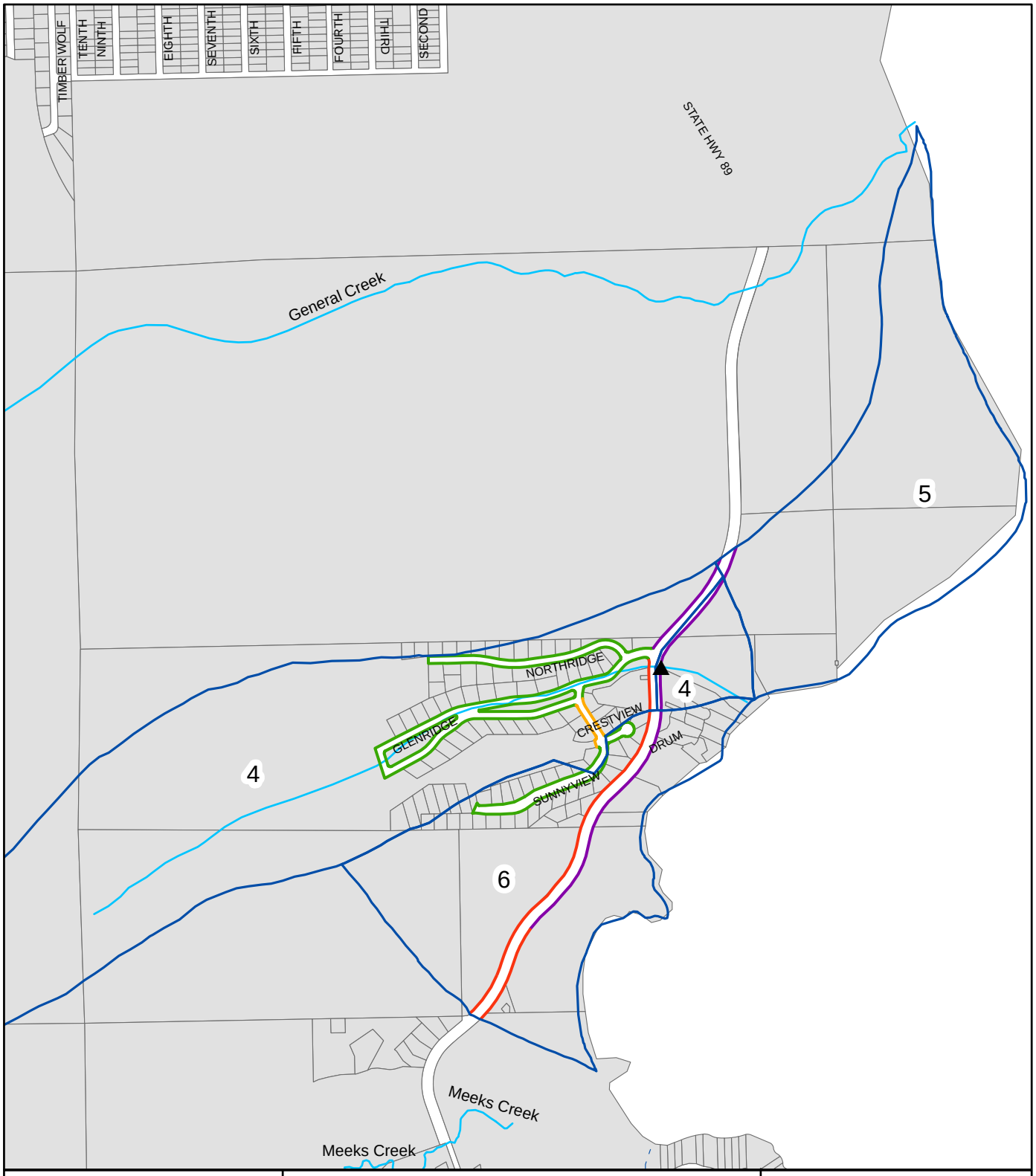
Glenwood
UPC 4 - 6

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

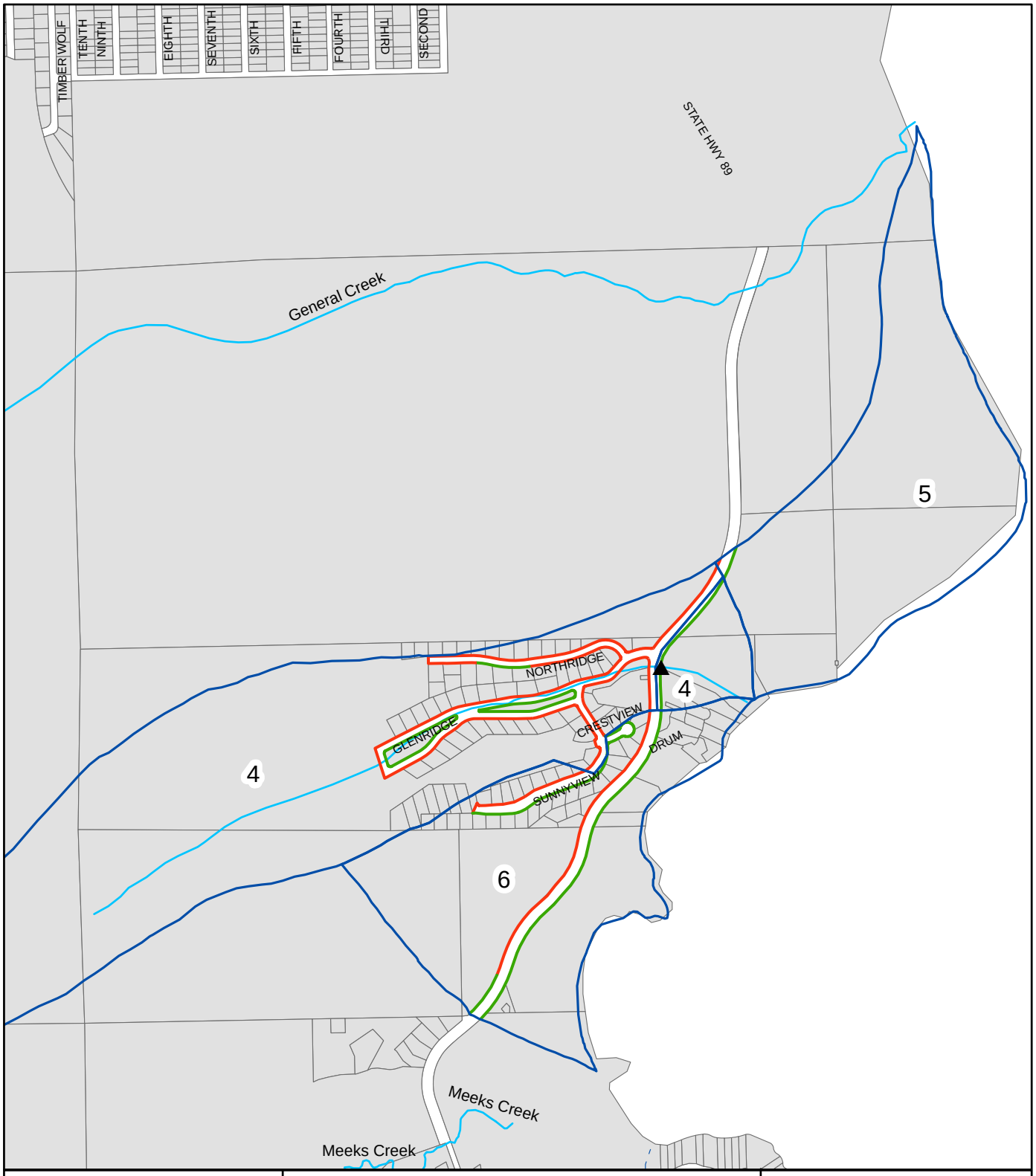
Glenwood
UPC 4 - 6

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

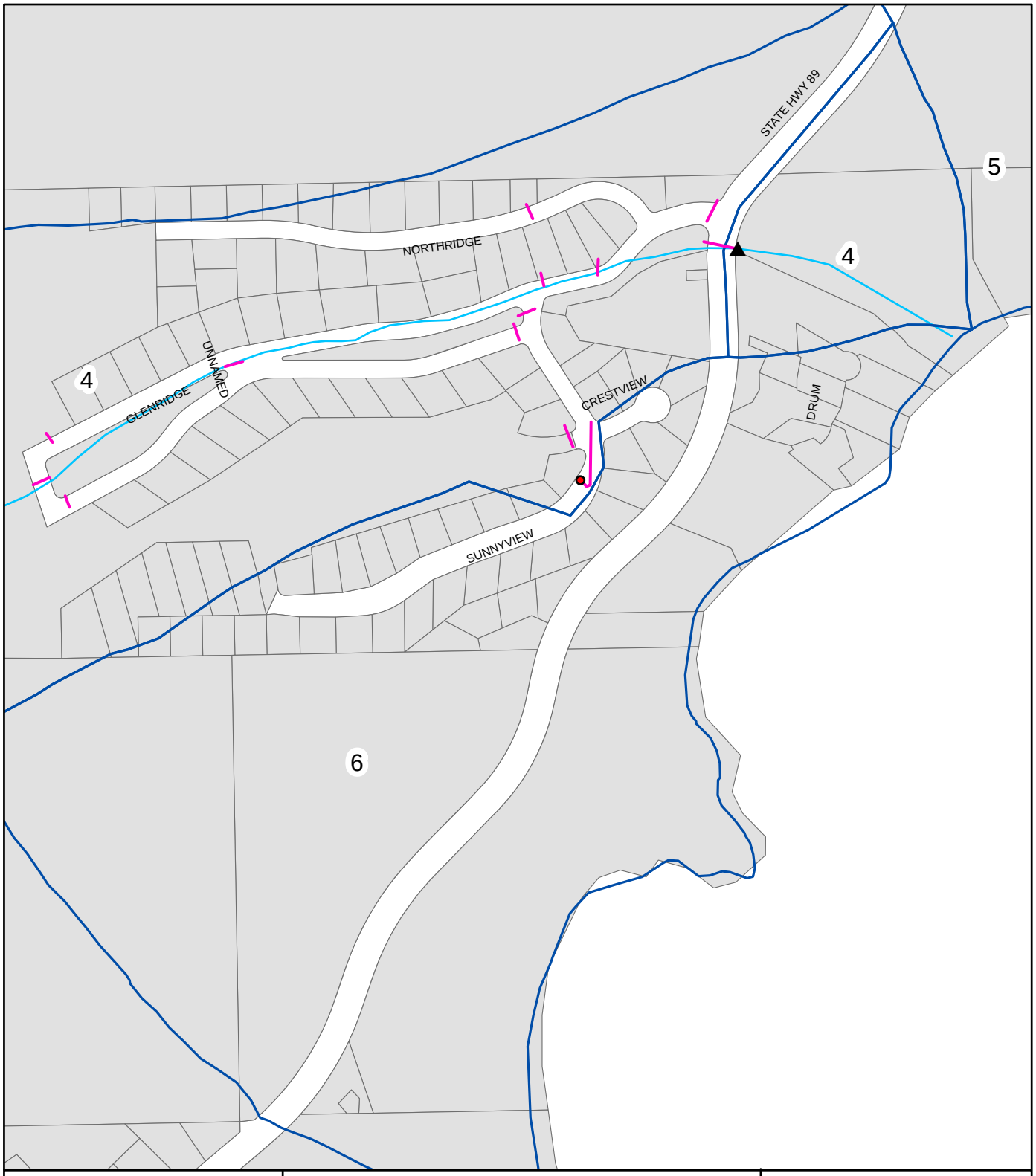
Glenwood
UPC 4 - 6

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Walls
- EDC_Curb
- EDC_Channels
- NID_TDI

NID

TYPE

- DI
- SD
- ST
- VAULT

Baseline

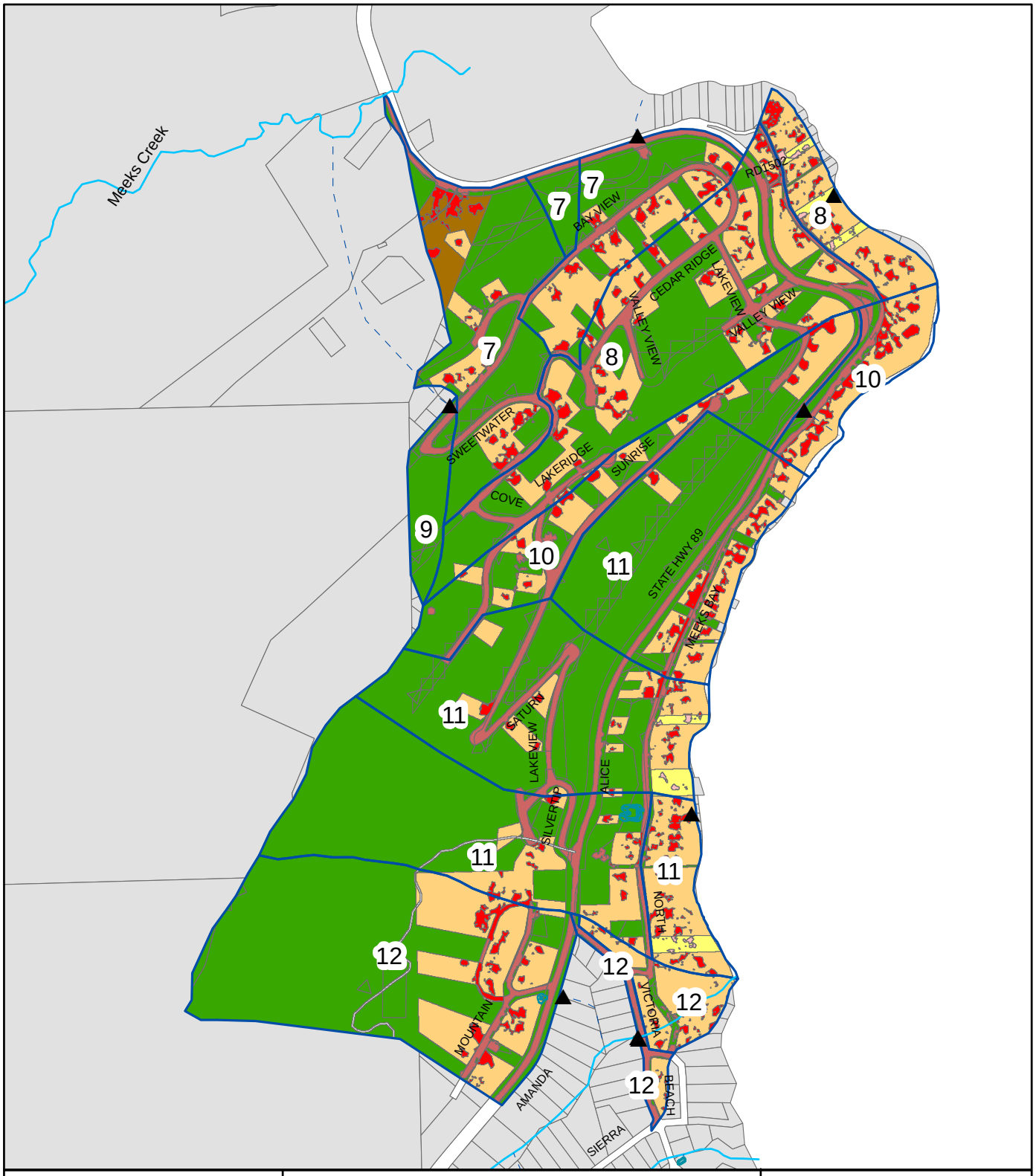
Glenwood
UPC 4 - 6

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

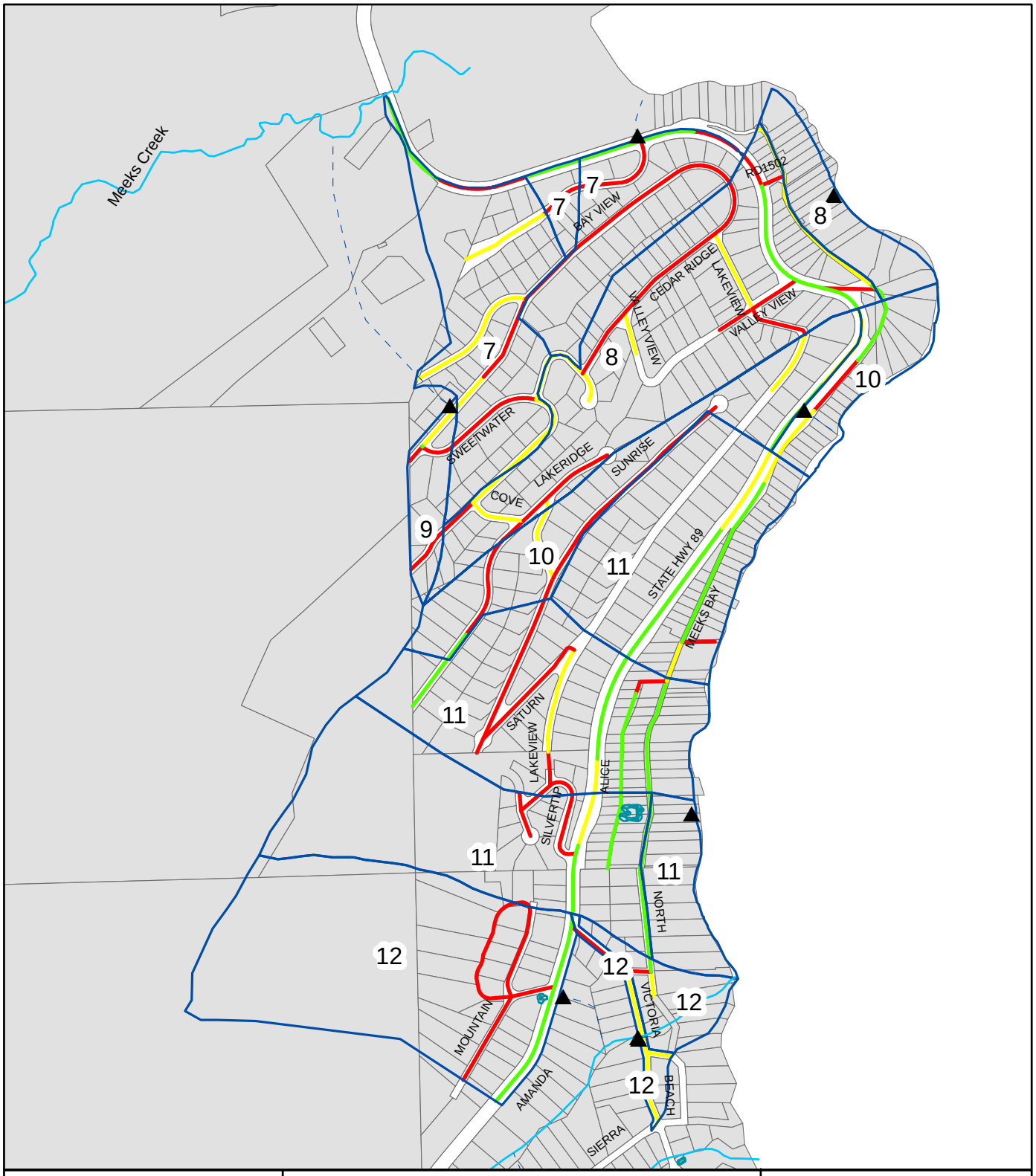
Tahoe Hills
UPC 7 - 12

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

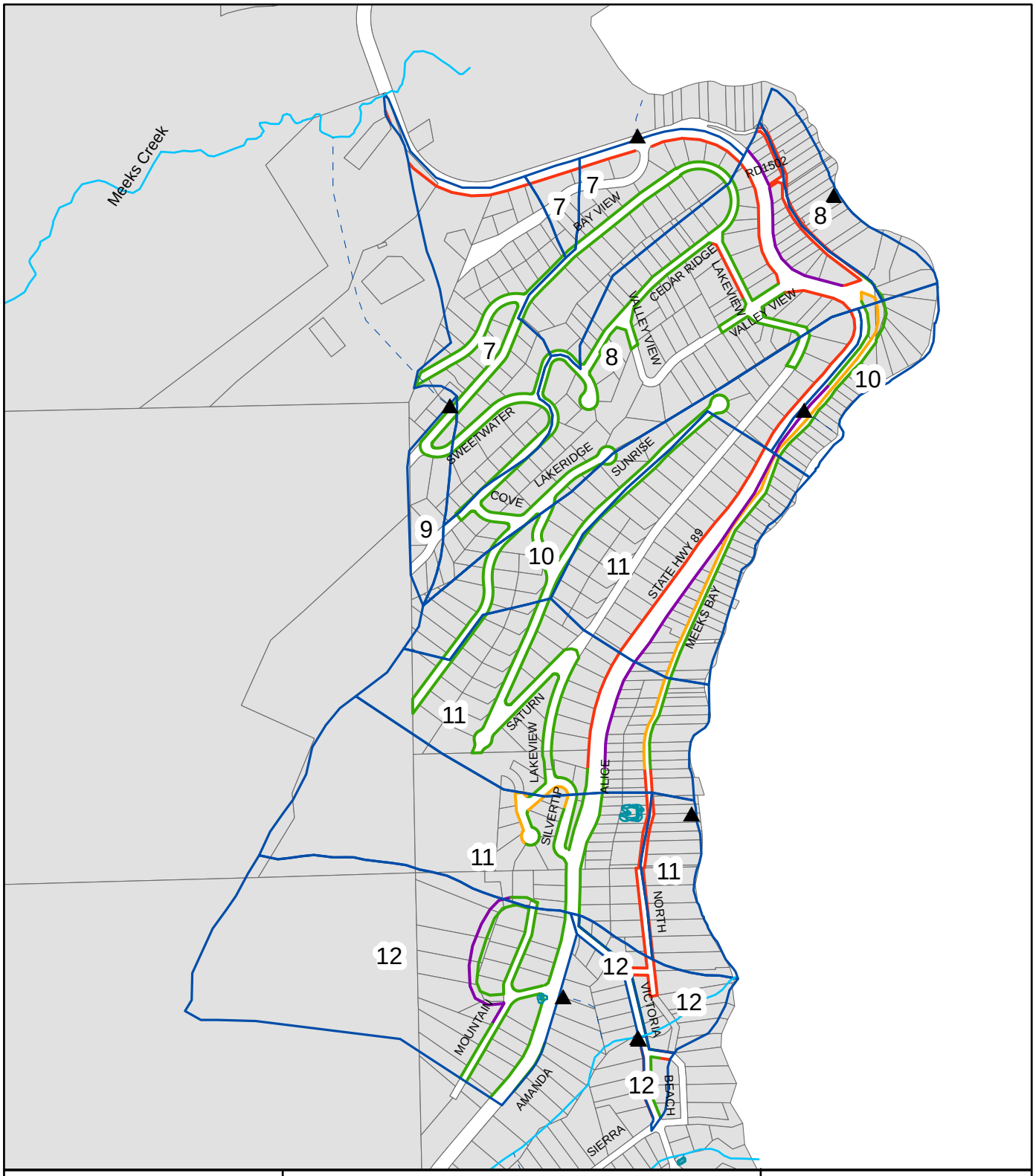
Tahoe Hills
UPC 7 - 12

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

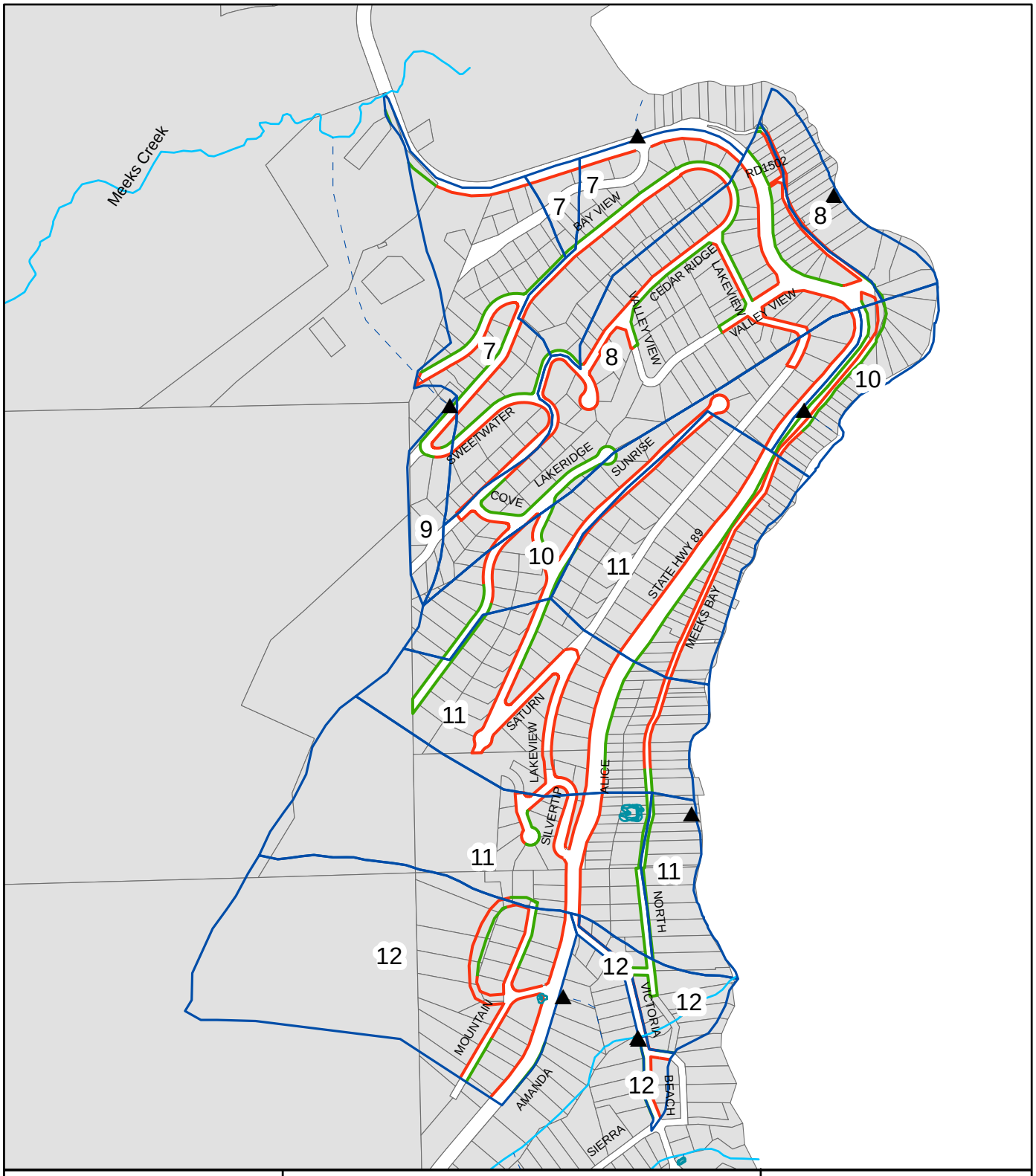
Tahoe Hills
UPC 7 - 12

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

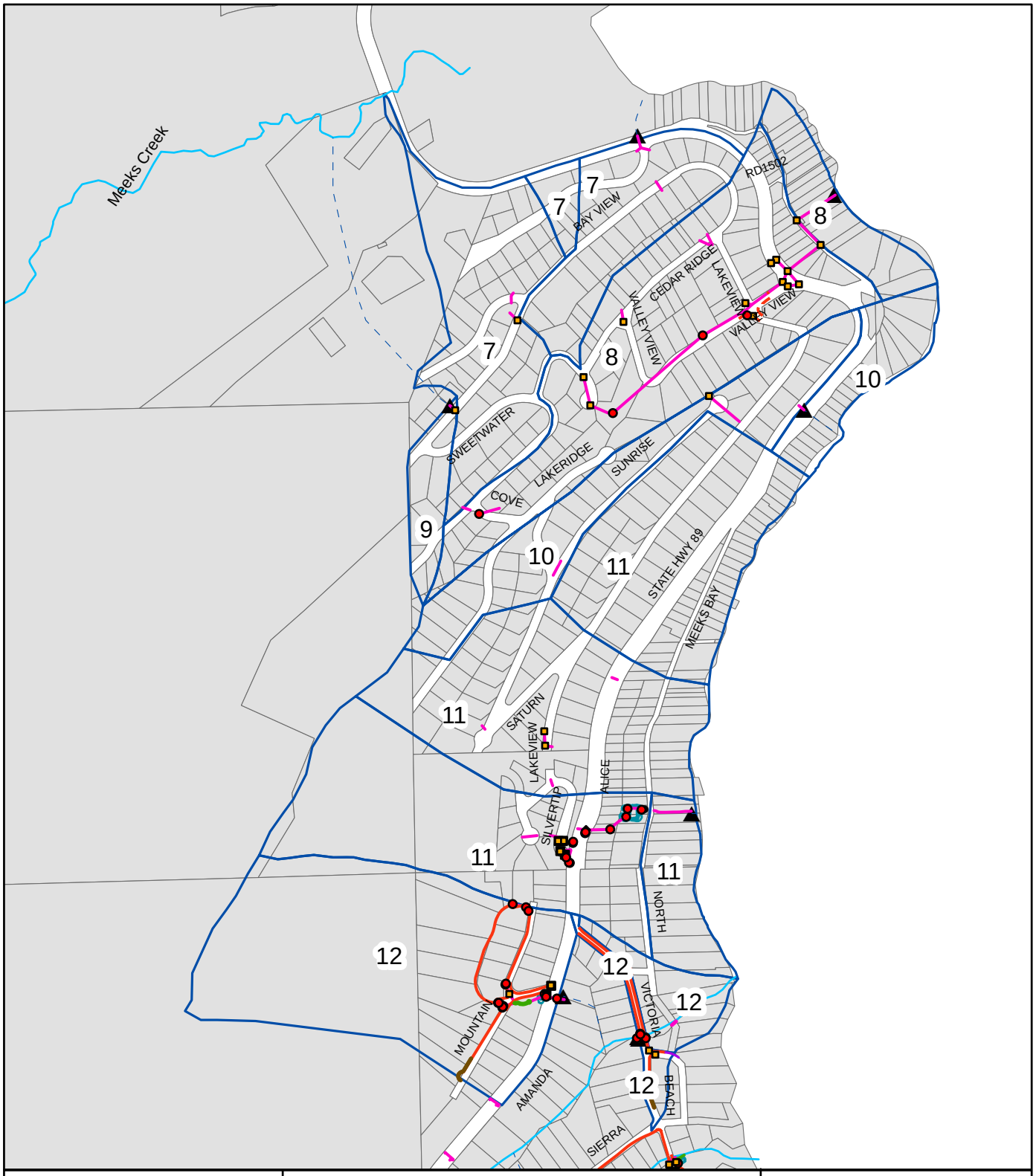
Tahoe Hills
UPC 7 - 12

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- NID_TDI
- EDC_Walls
- EDC_Walls
- EDC_Channels
- EDC_Curb
- PID
- EDC_Basins
- Est. Outfall Flow Path

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

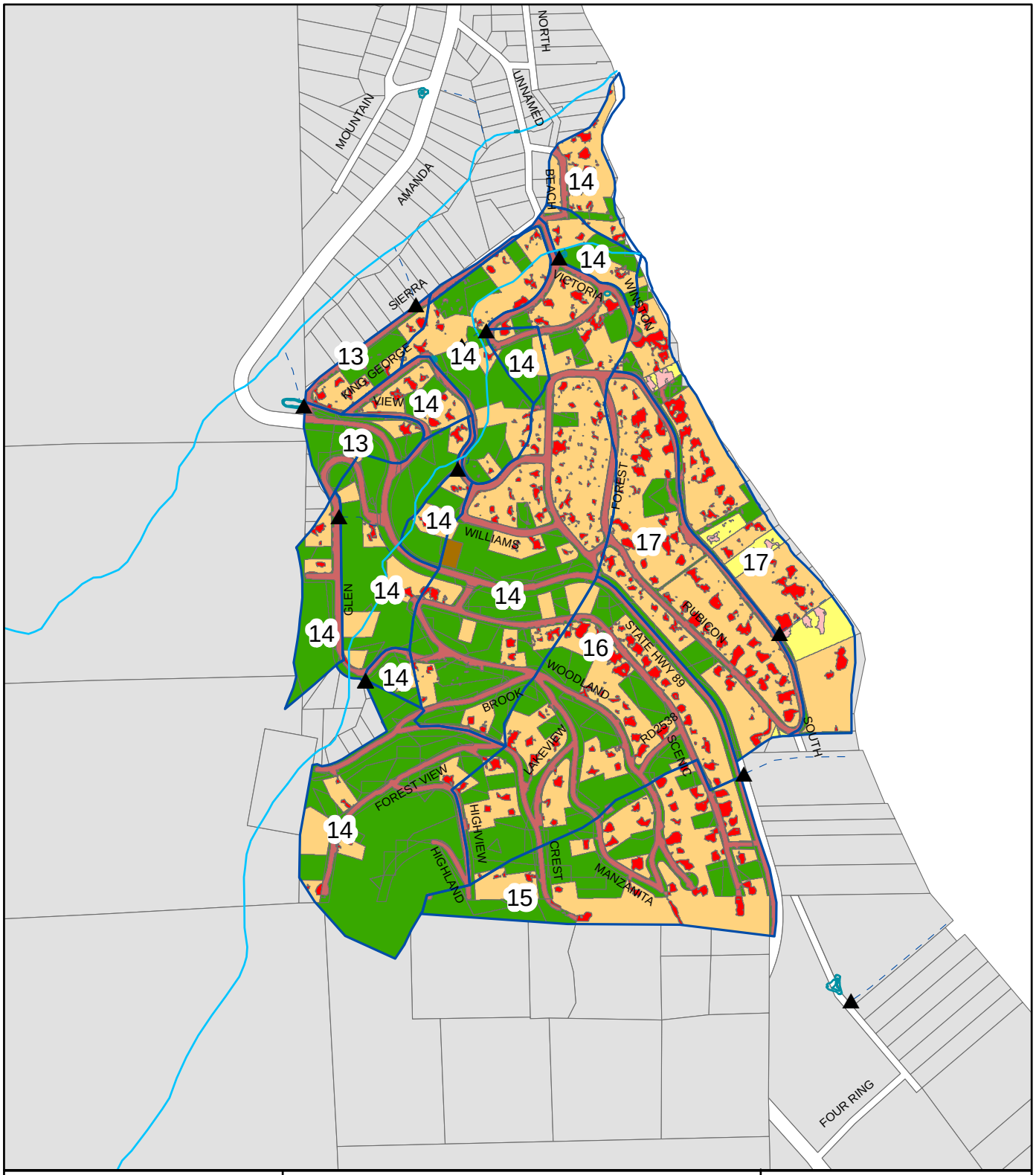
Tahoe Hills
UPC 7 - 12

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

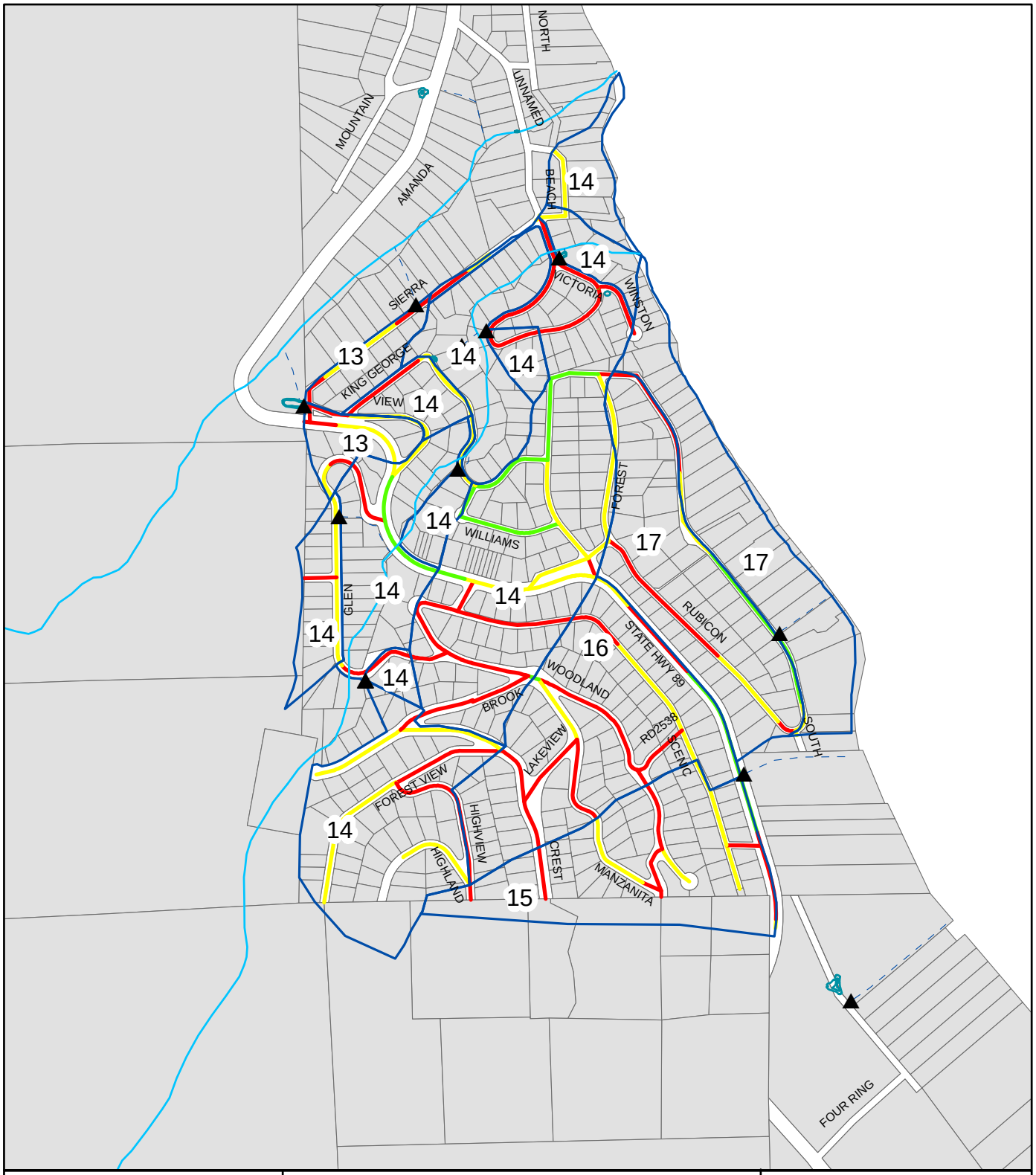
Rubicon
UPC 13 - 17

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

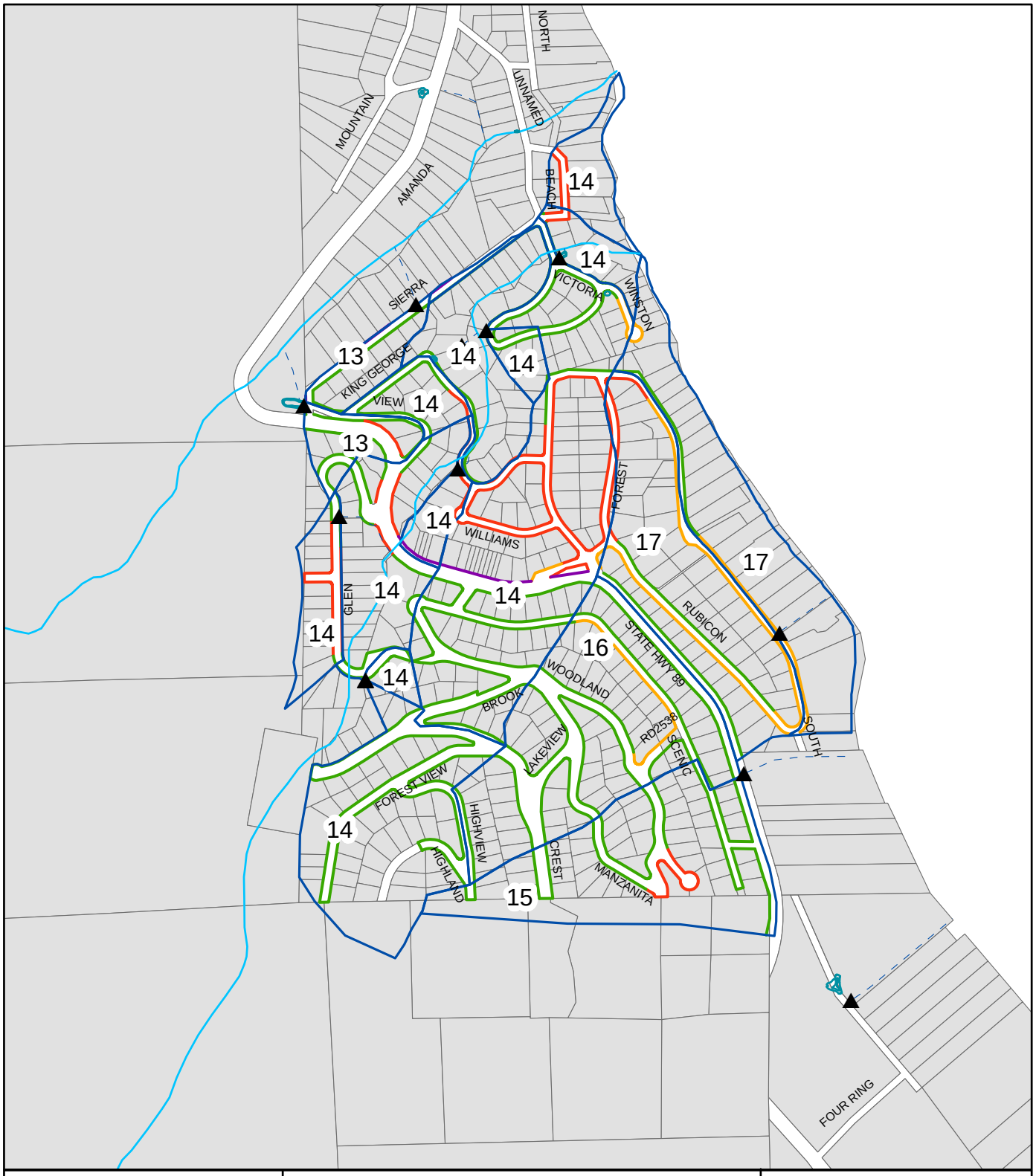
Rubicon
UPC 13 - 17

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

EDC_OUTFALL

EDC_Basins

Est. Outfall Flow Path

EDCWS_SHLDR

Erodible

Protected

Stable

Stable & Protected

Baseline

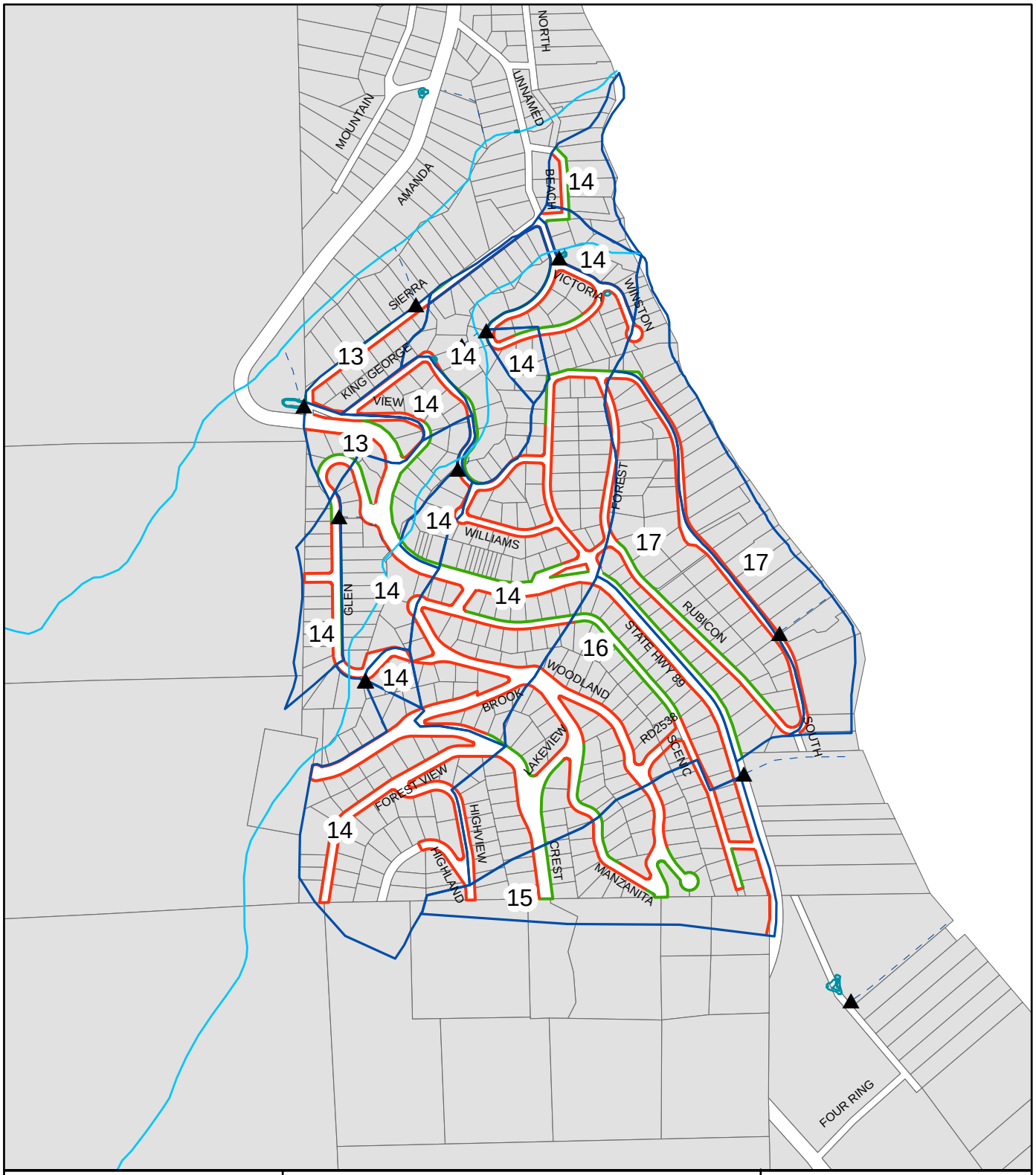
Rubicon
UPC 13 - 17

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

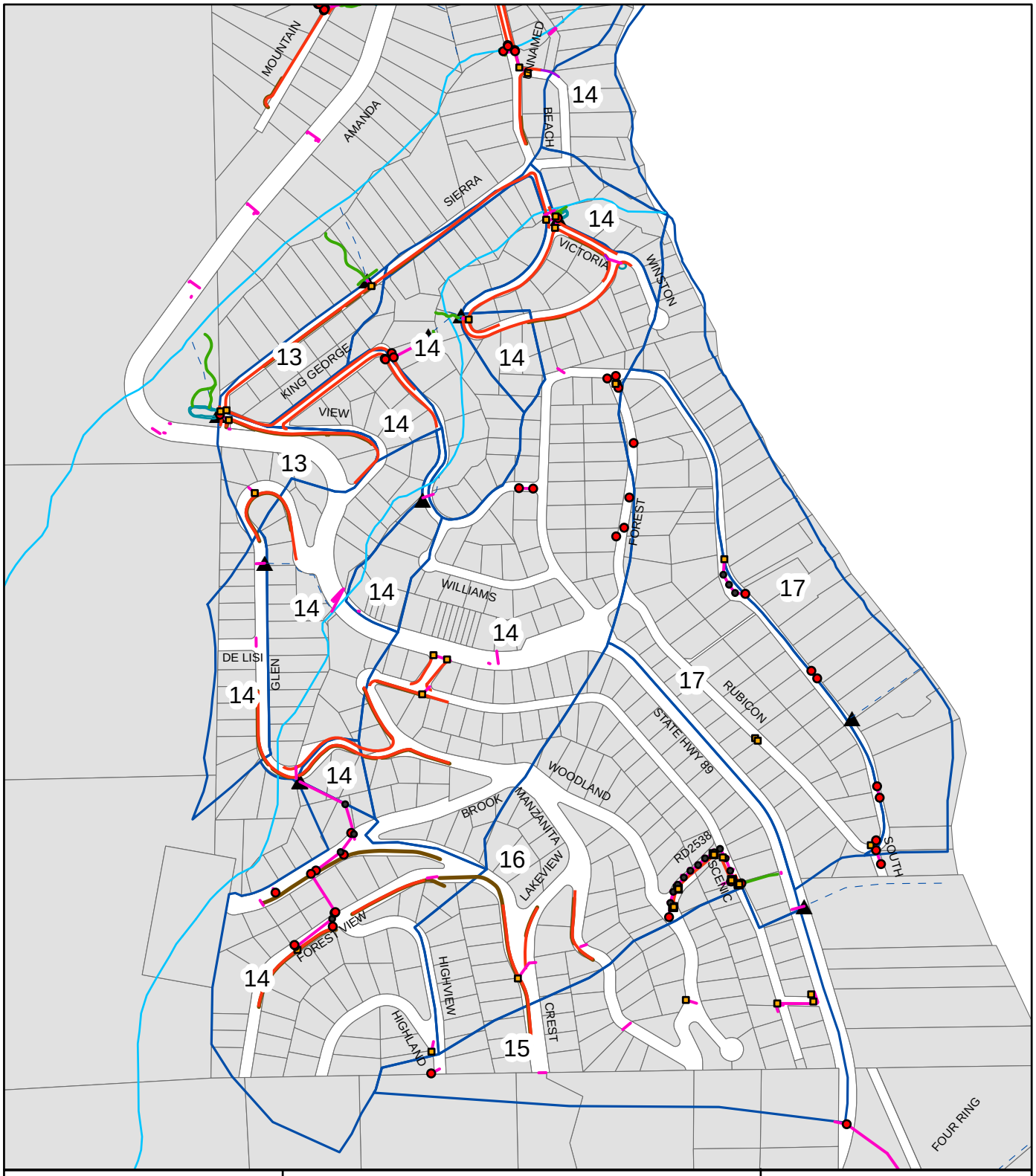
Rubicon
UPC 13 - 17

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

NID

TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI
- EDC_Dike
- PID
- EDC_Channels
- EDC_Curb
- EDC_Walls
- EDC_Basins
- Est. Outfall Flow Path
- EDC_OUTFALL

Baseline

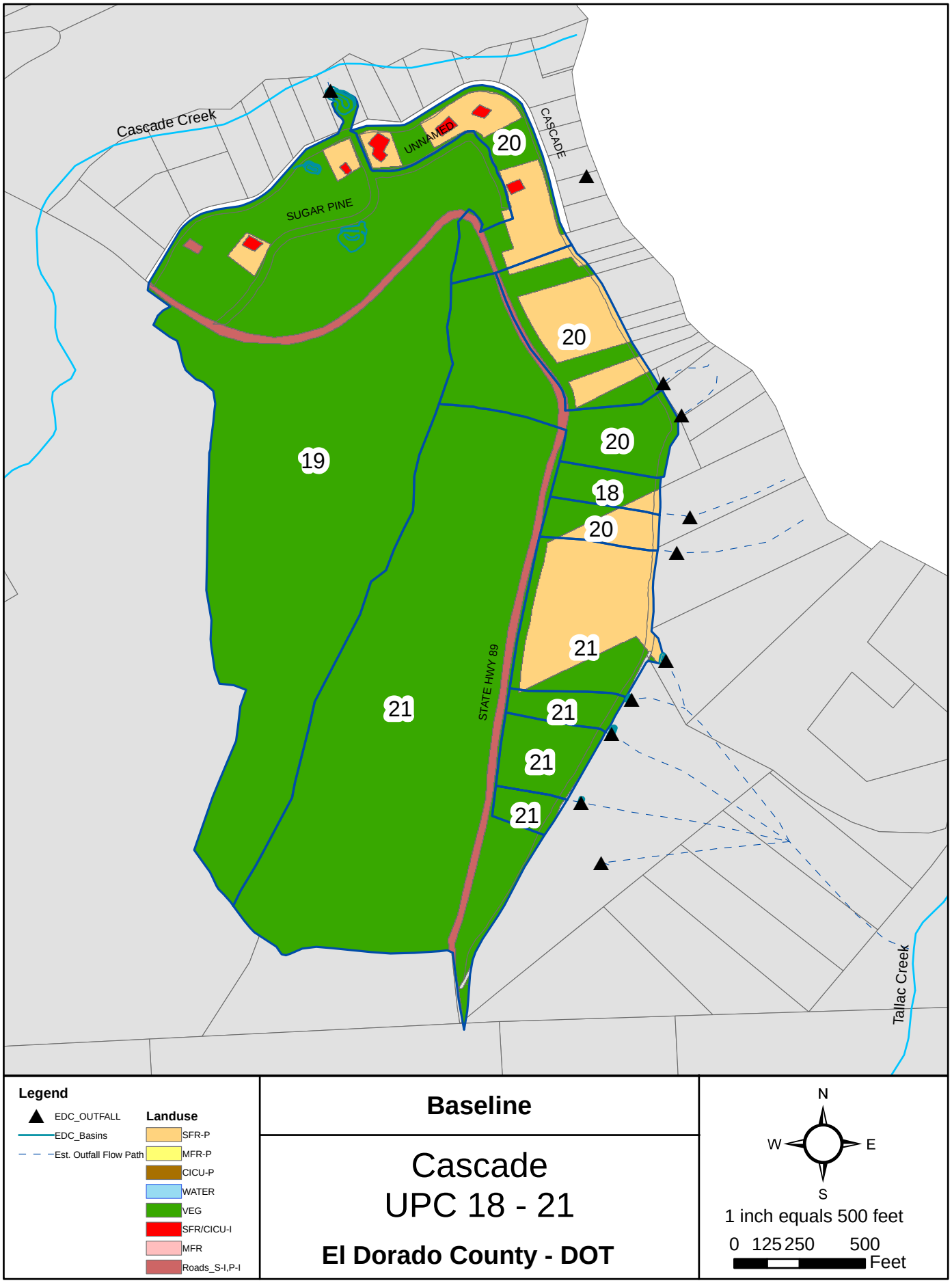
Rubicon
UPC 13 - 17

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

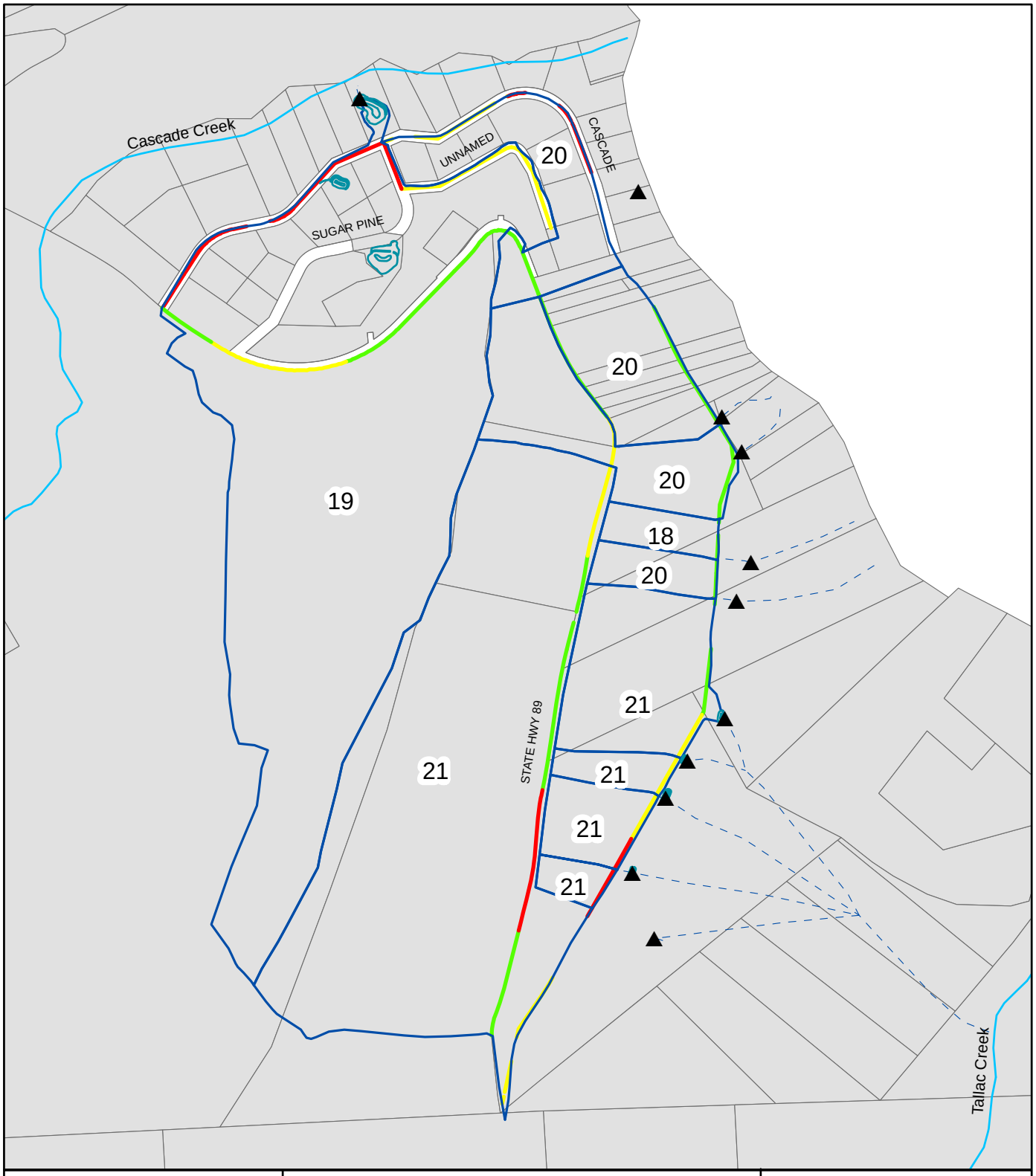
0 150 300 600 Feet



Baseline

Cascade
UPC 18 - 21

El Dorado County - DOT



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

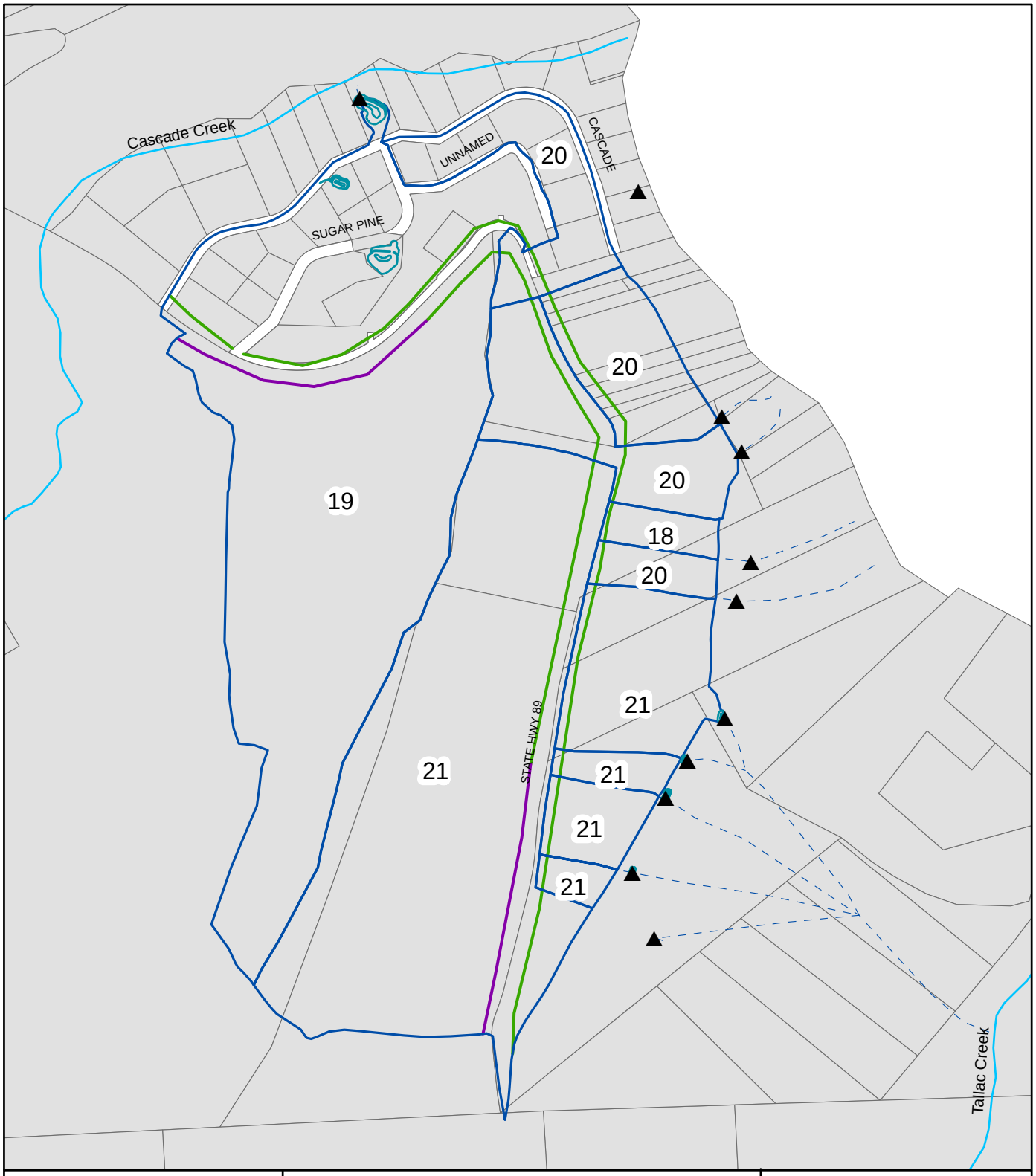
Cascade
UPC 18 - 21

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

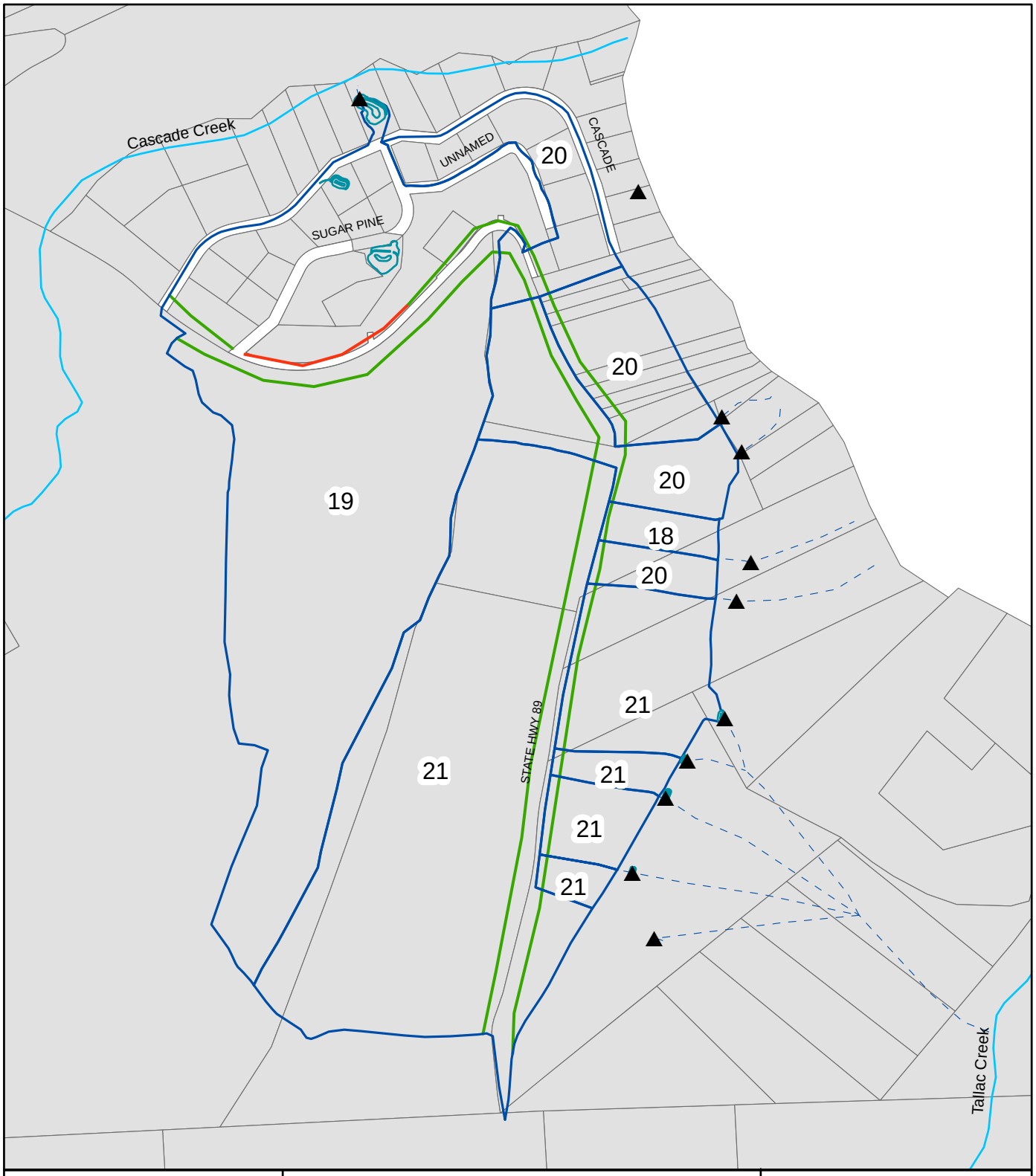
Cascade
UPC 18 - 21

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

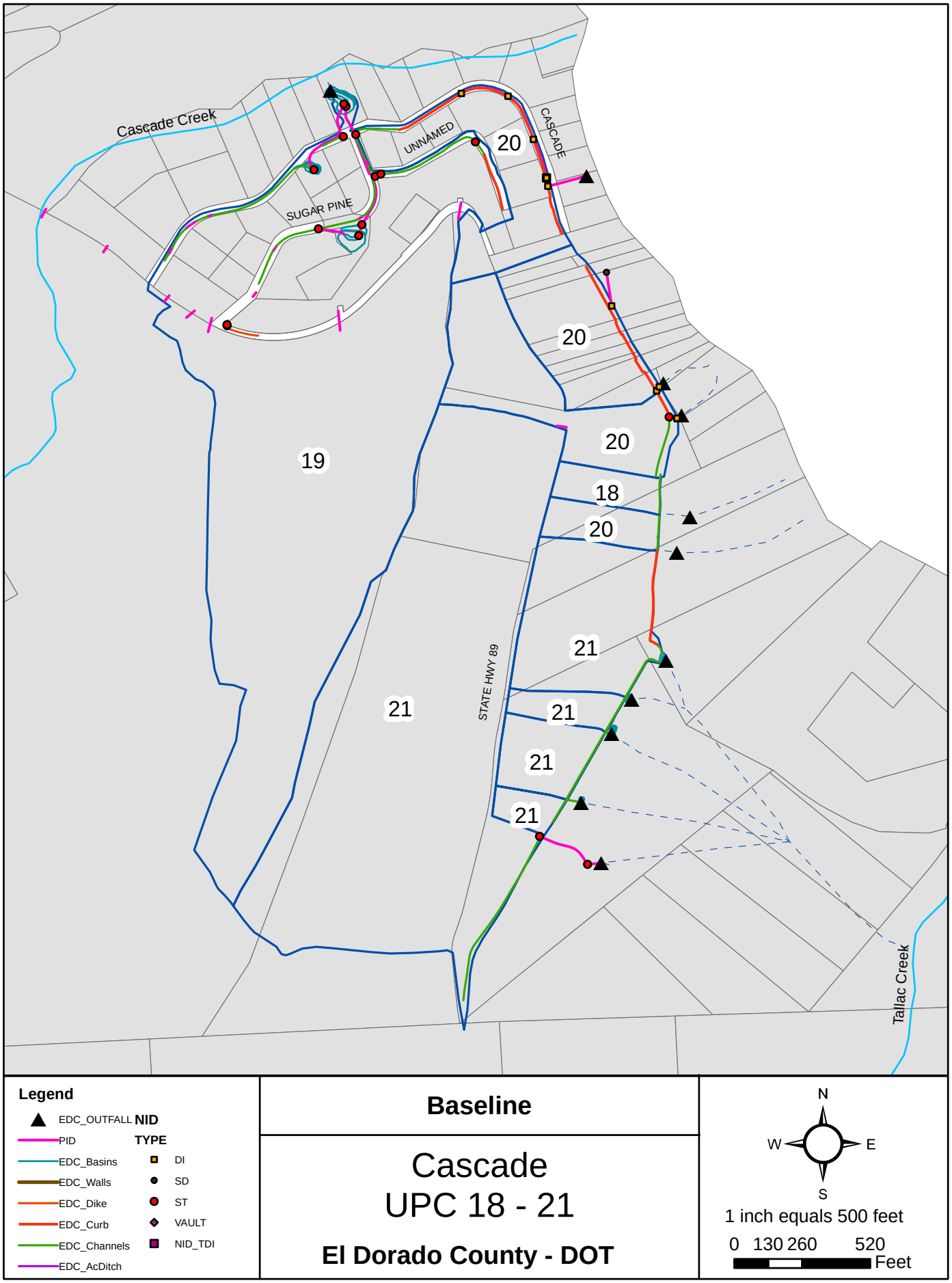
Cascade
UPC 18 - 21

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

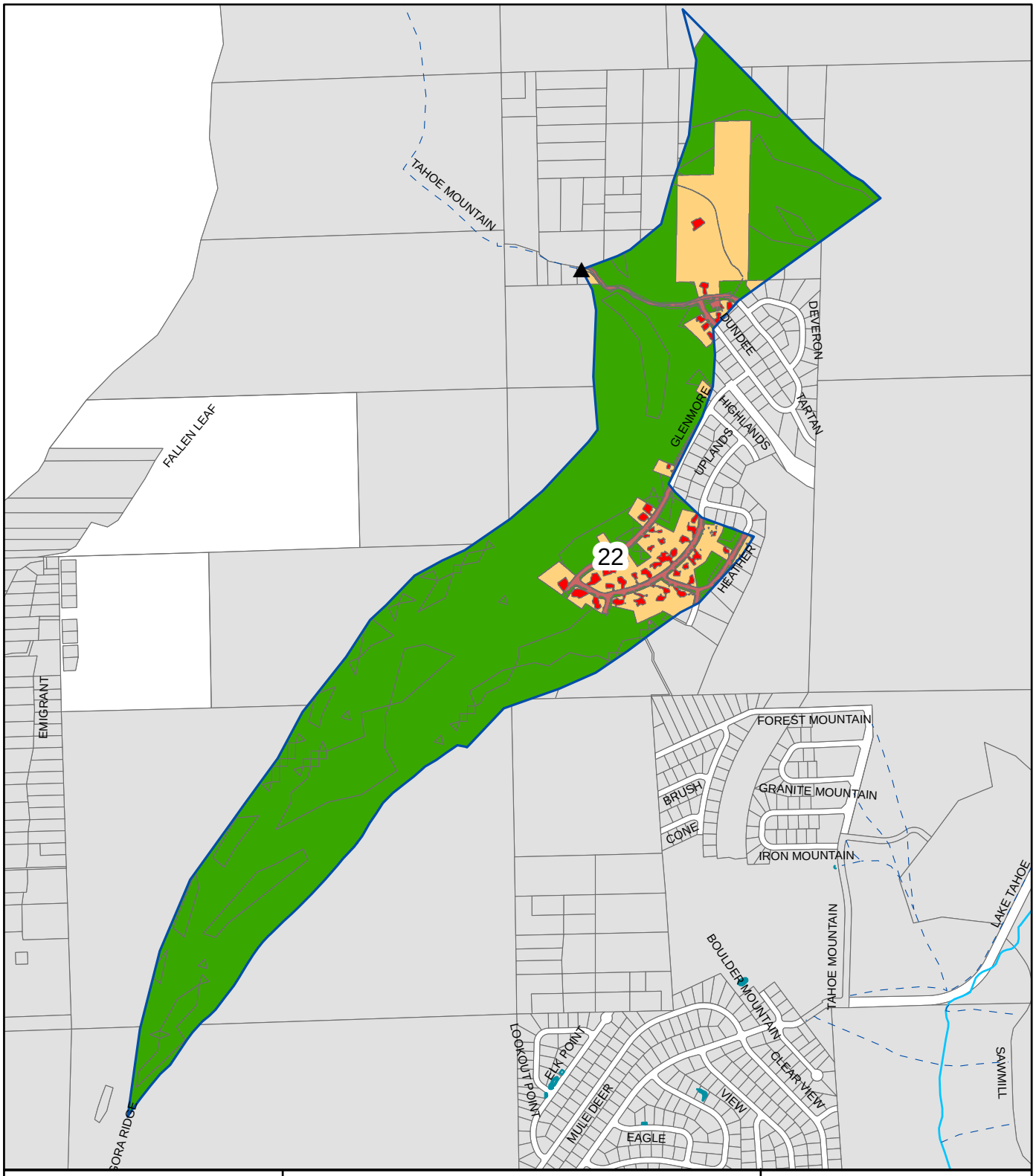
0 125 250 500 Feet



Baseline

Cascade
UPC 18 - 21

El Dorado County - DOT



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

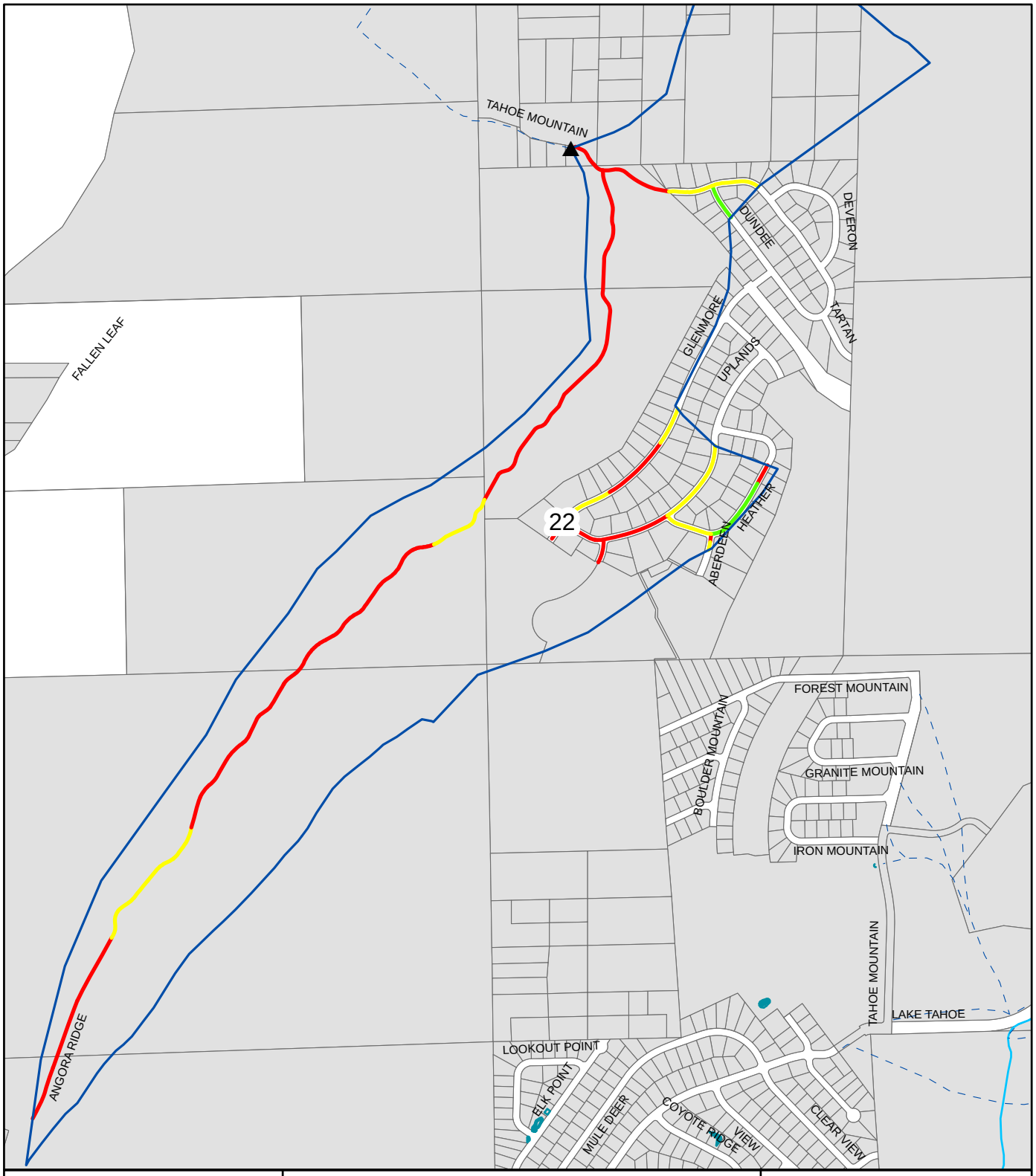
Angora
UPC 22

El Dorado County - DOT

N
W E
S

1 inch equals 1,200 feet

0 370 740 1,480 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

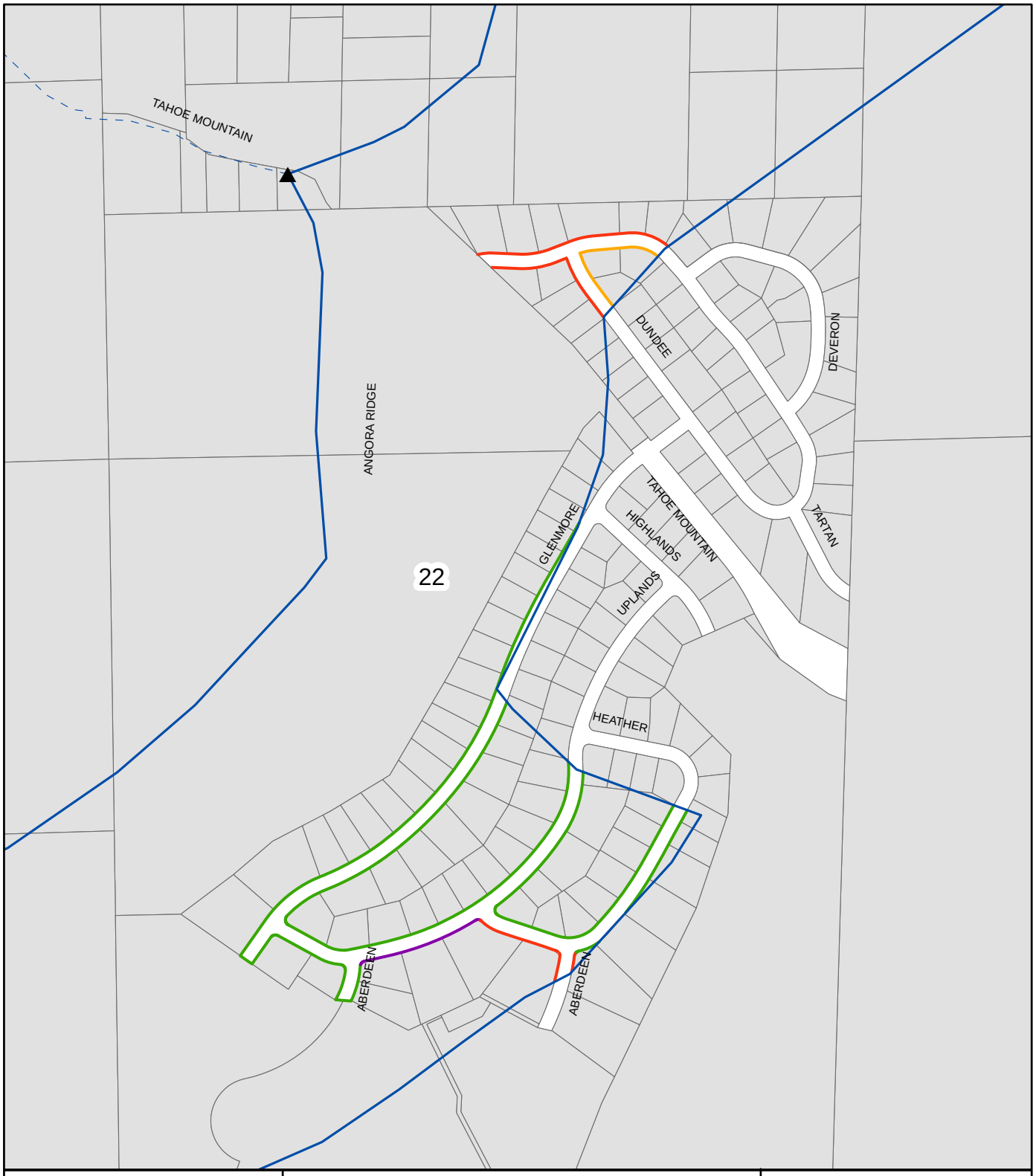
Angora
UPC 22

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

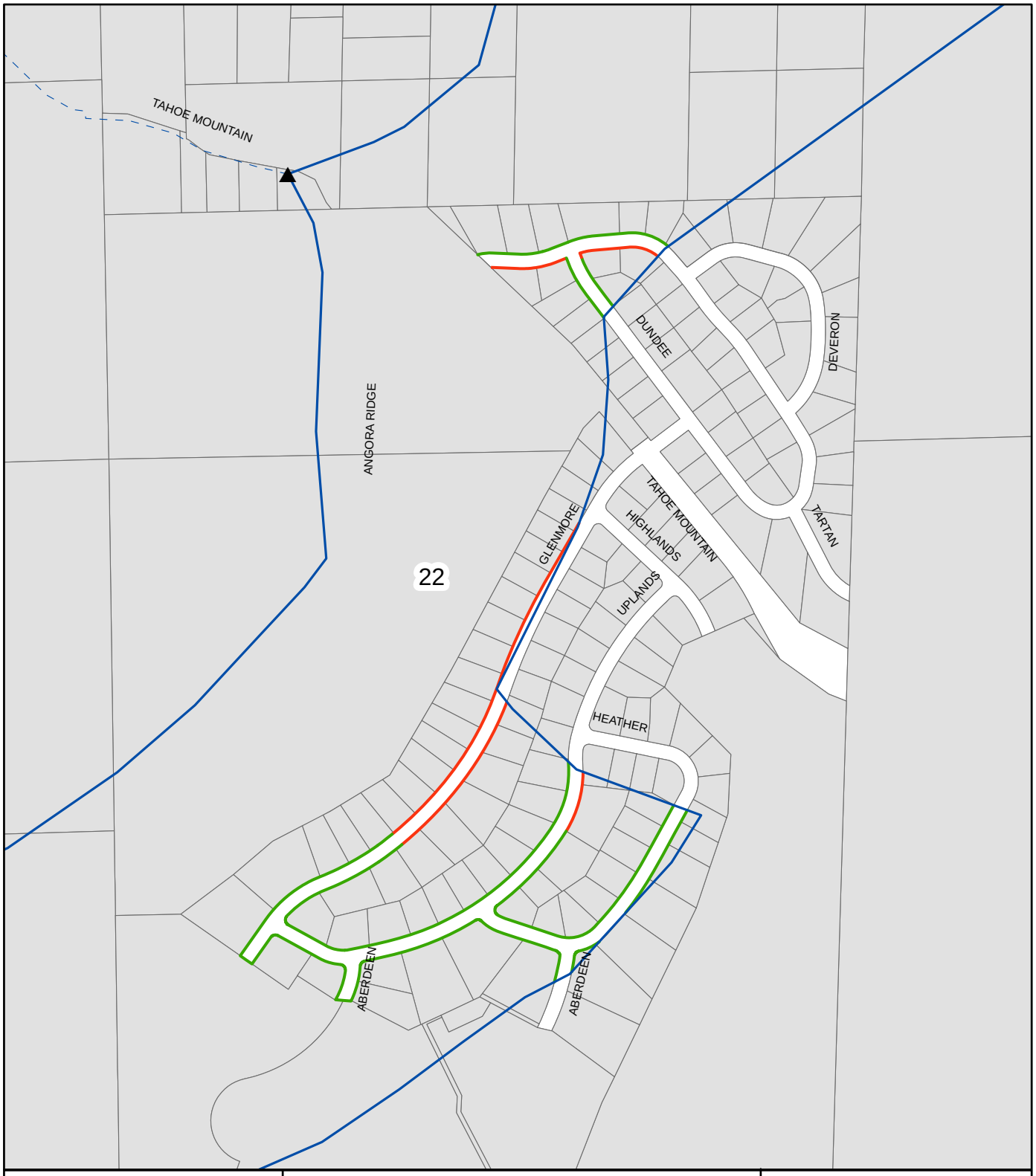
Angora
UPC 22

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

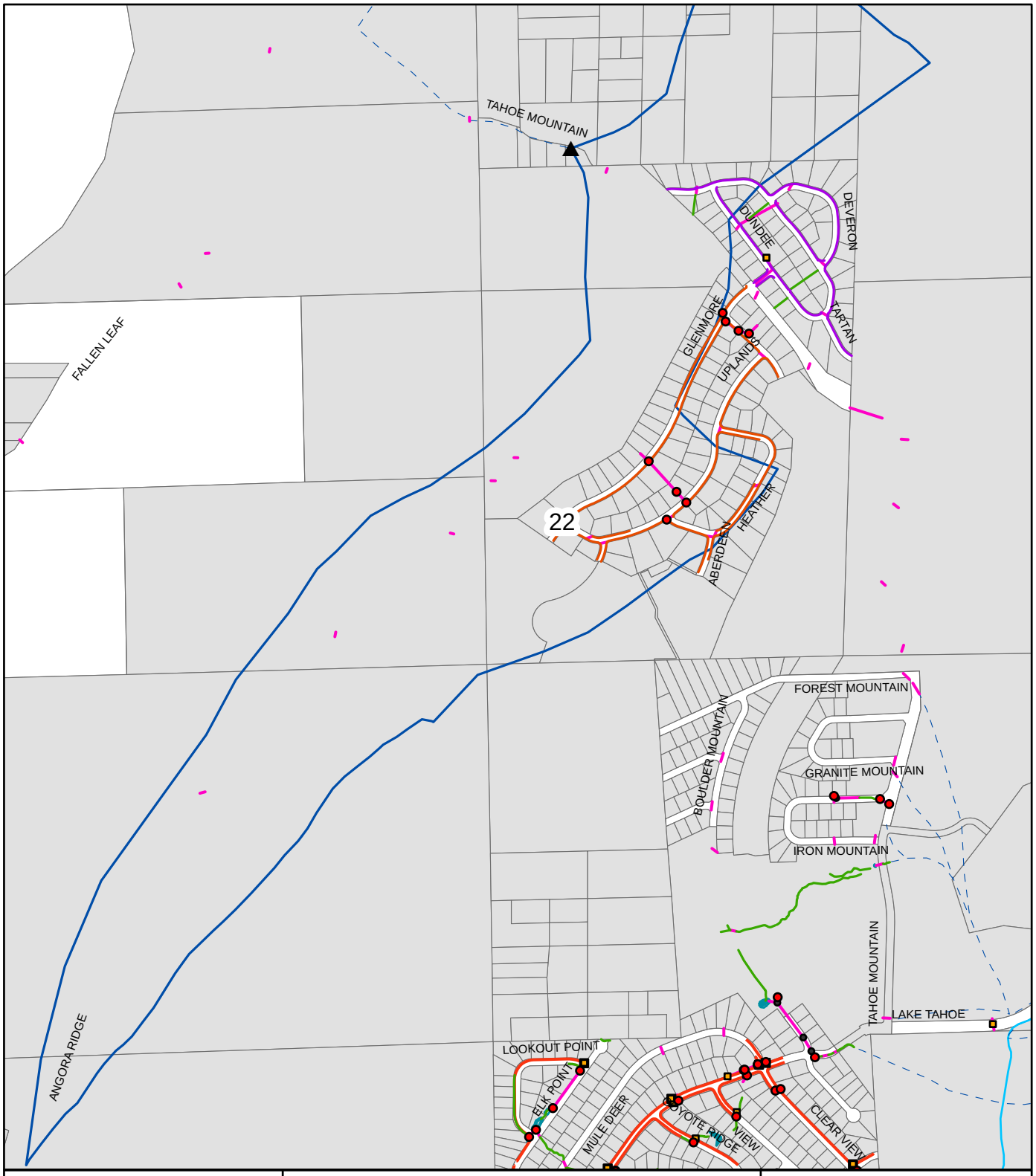
Angora
UPC 22

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500
Feet



Legend

EDC_OUTFALL	**NID**	
PID	**TYPE**	
EDC_Basins	DI	
EDC_Walls	SD	
EDC_Dike	ST	
EDC_Curb	VAULT	
EDC_Channels	NID_TDI	
EDC_AcDitch		

Baseline

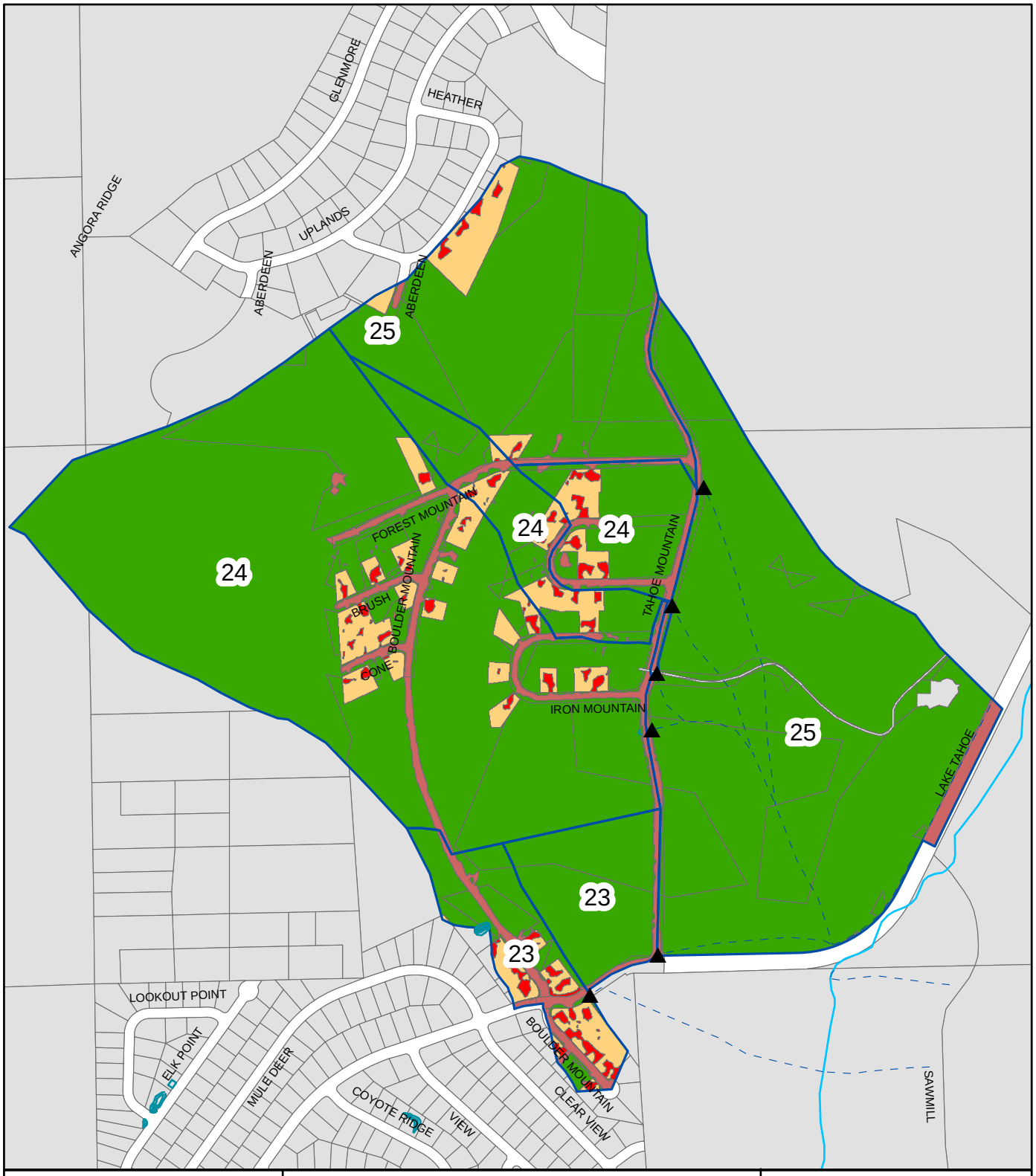
Angora
UPC 22

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

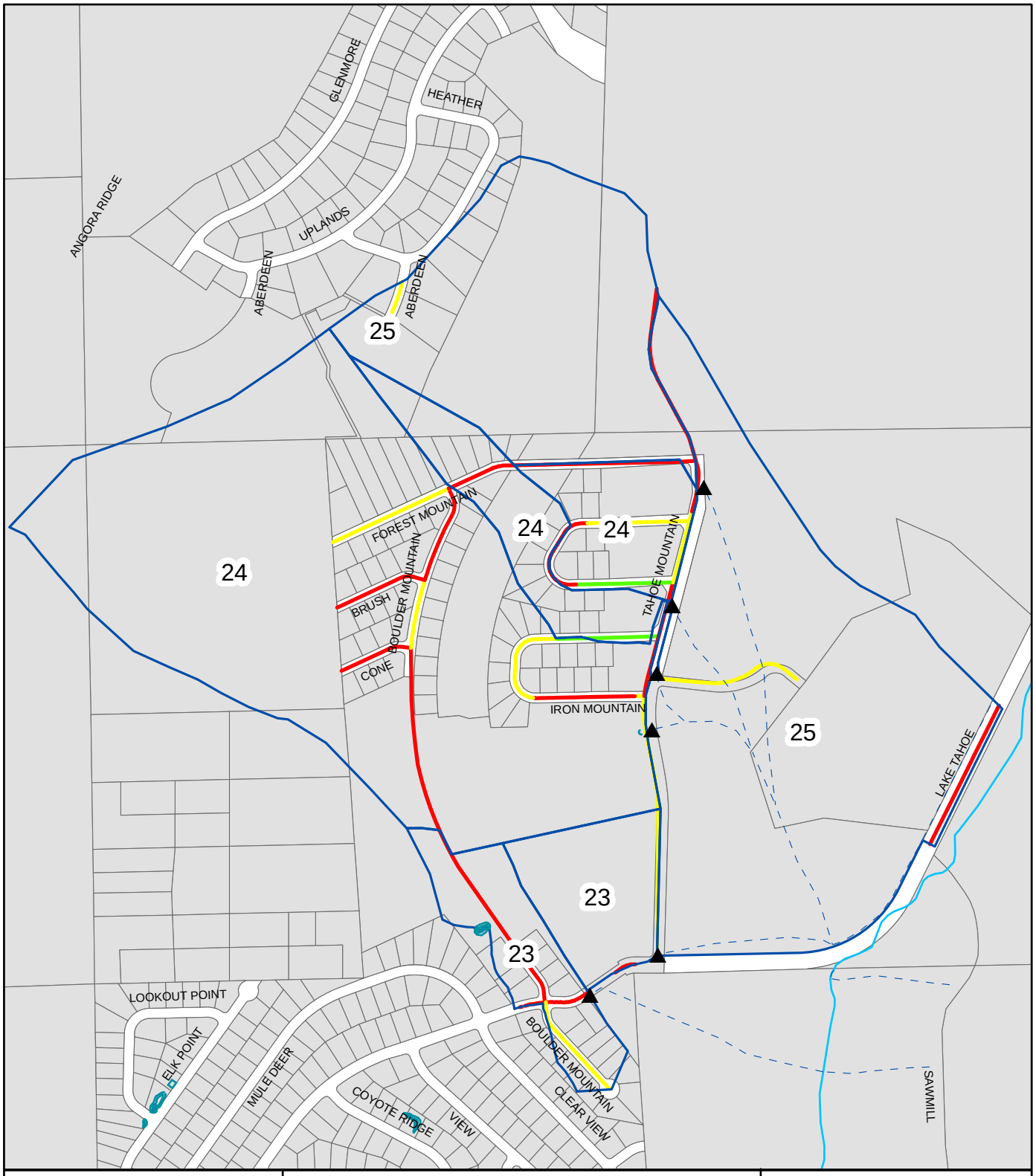
Boulder Mountain
UPC 23 - 25

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

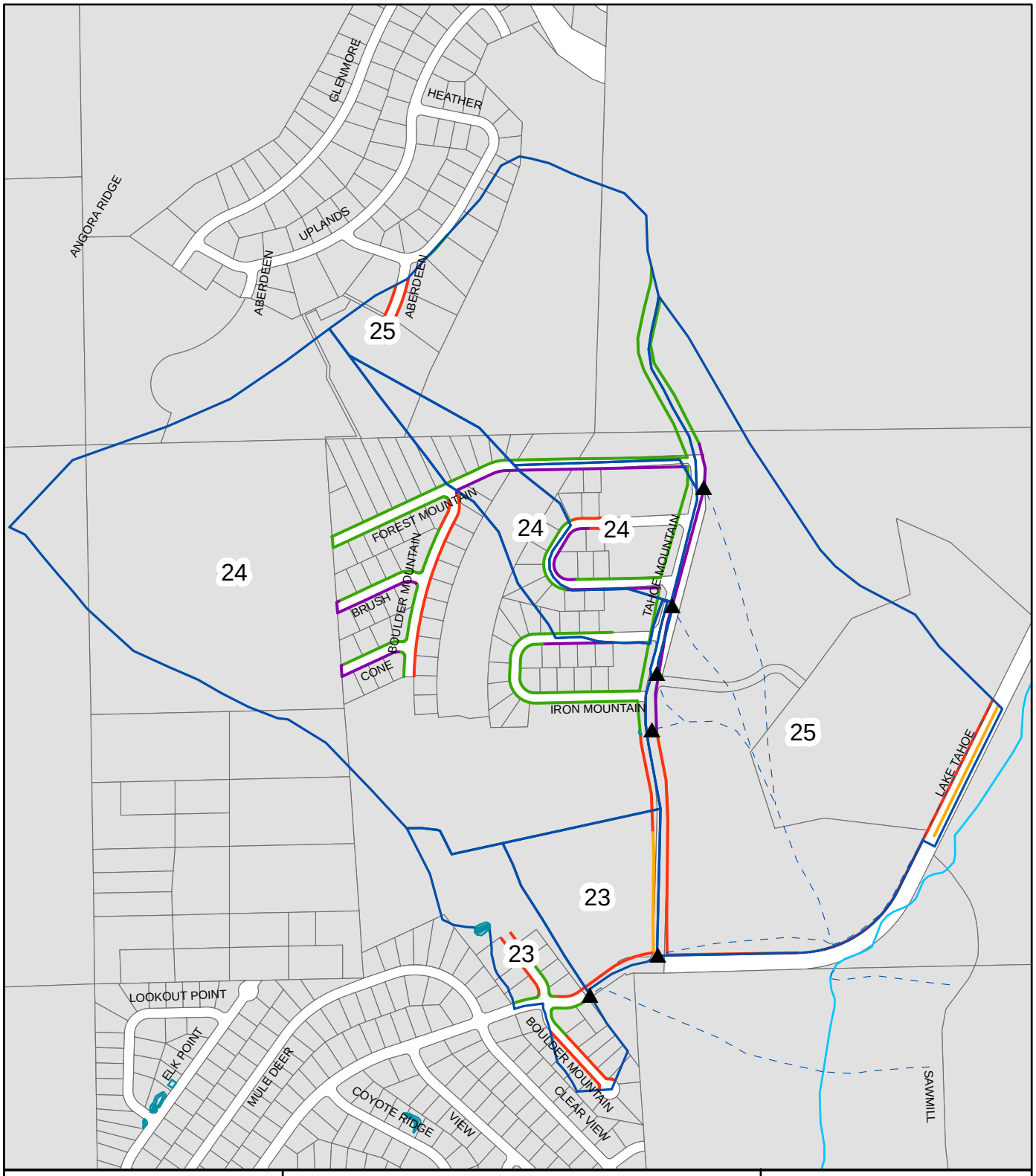
Boulder Mountain
UPC 23 - 25

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

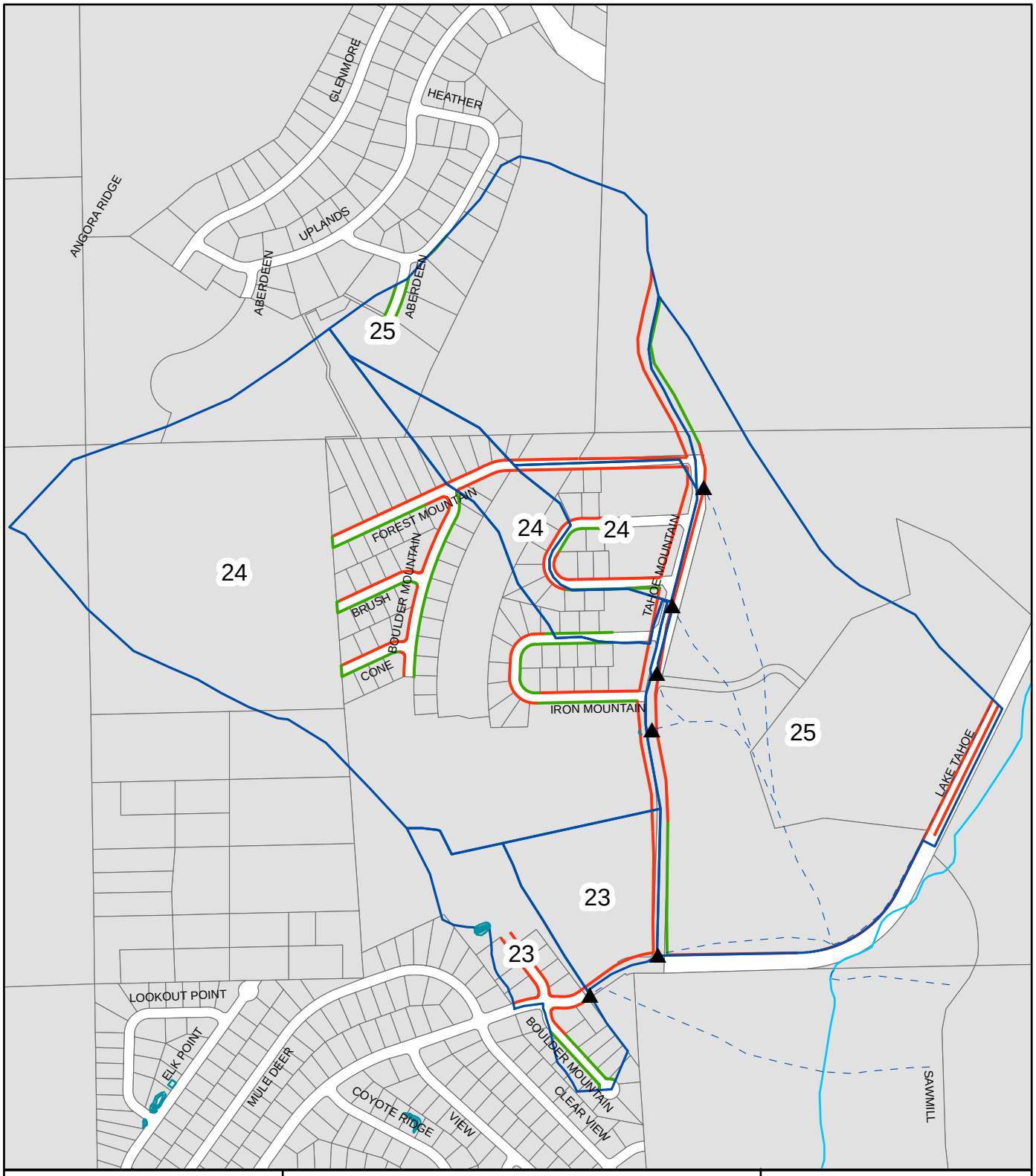
Boulder Mountain
UPC 23 - 25

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

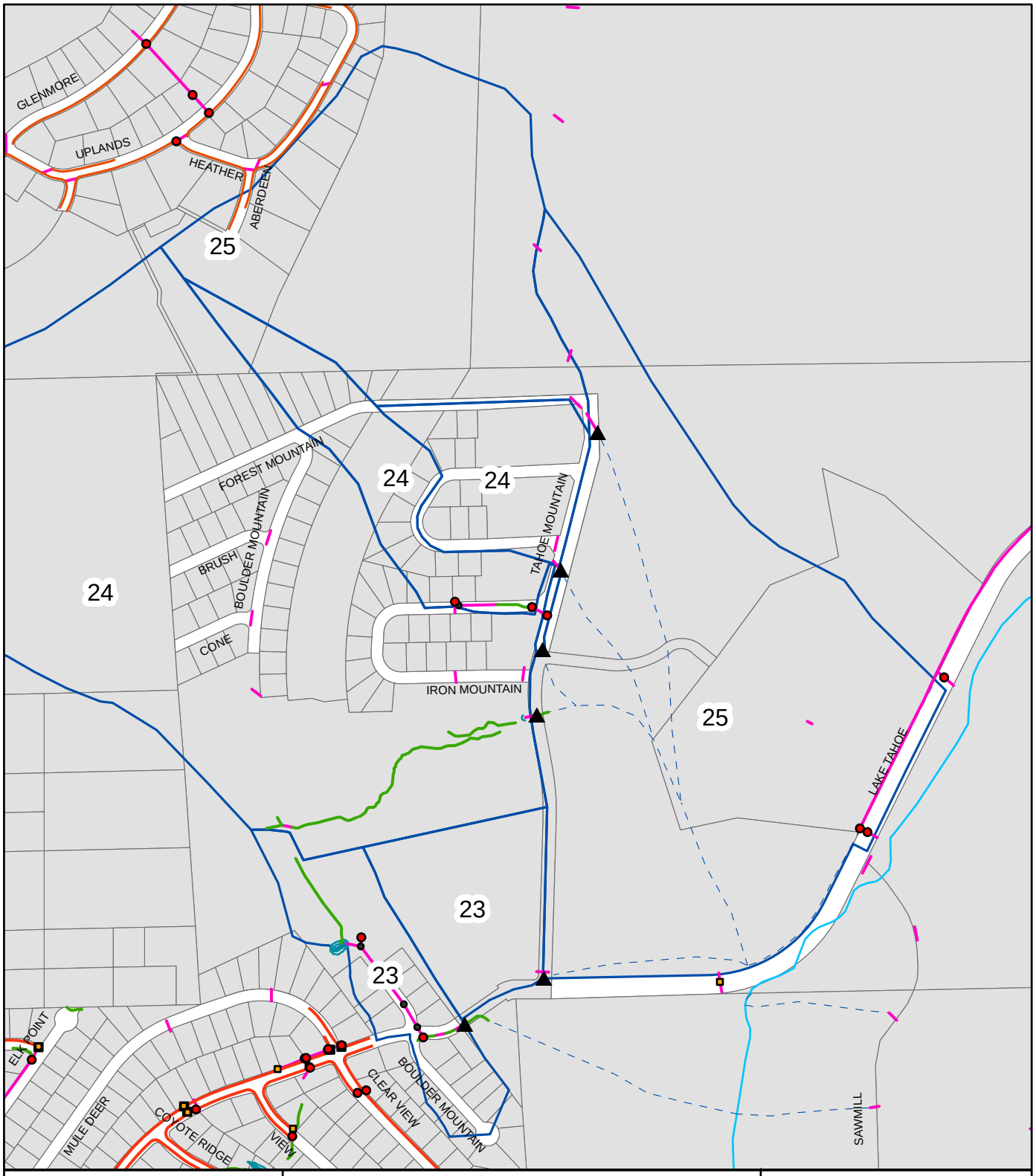
Boulder Mountain
UPC 23 - 25

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Dike
- EDC_Basins
- PID
- EDC_Walls
- EDC_Curb
- EDC_Channels

NID TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

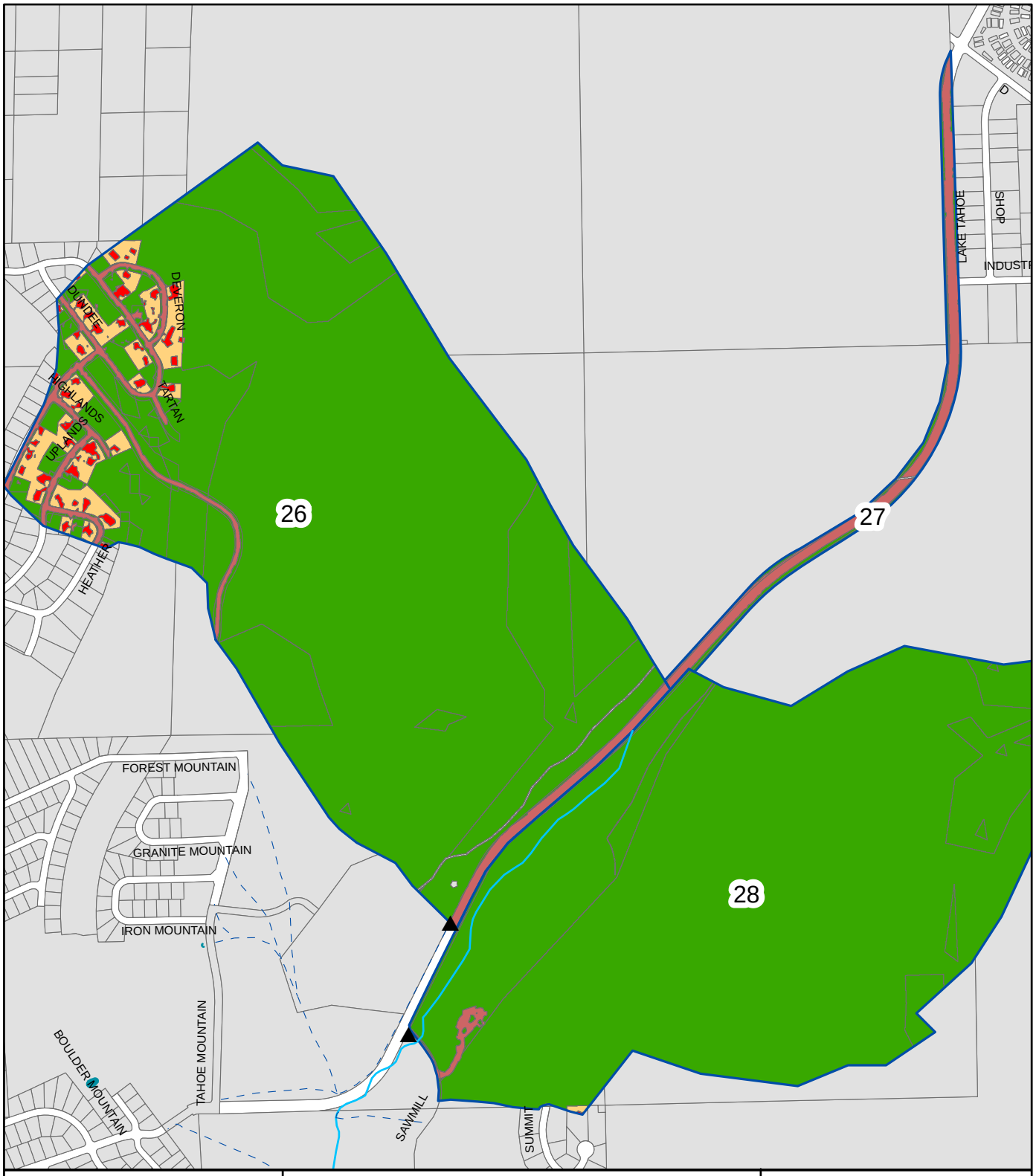
Boulder Mountain
UPC 23 - 25

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

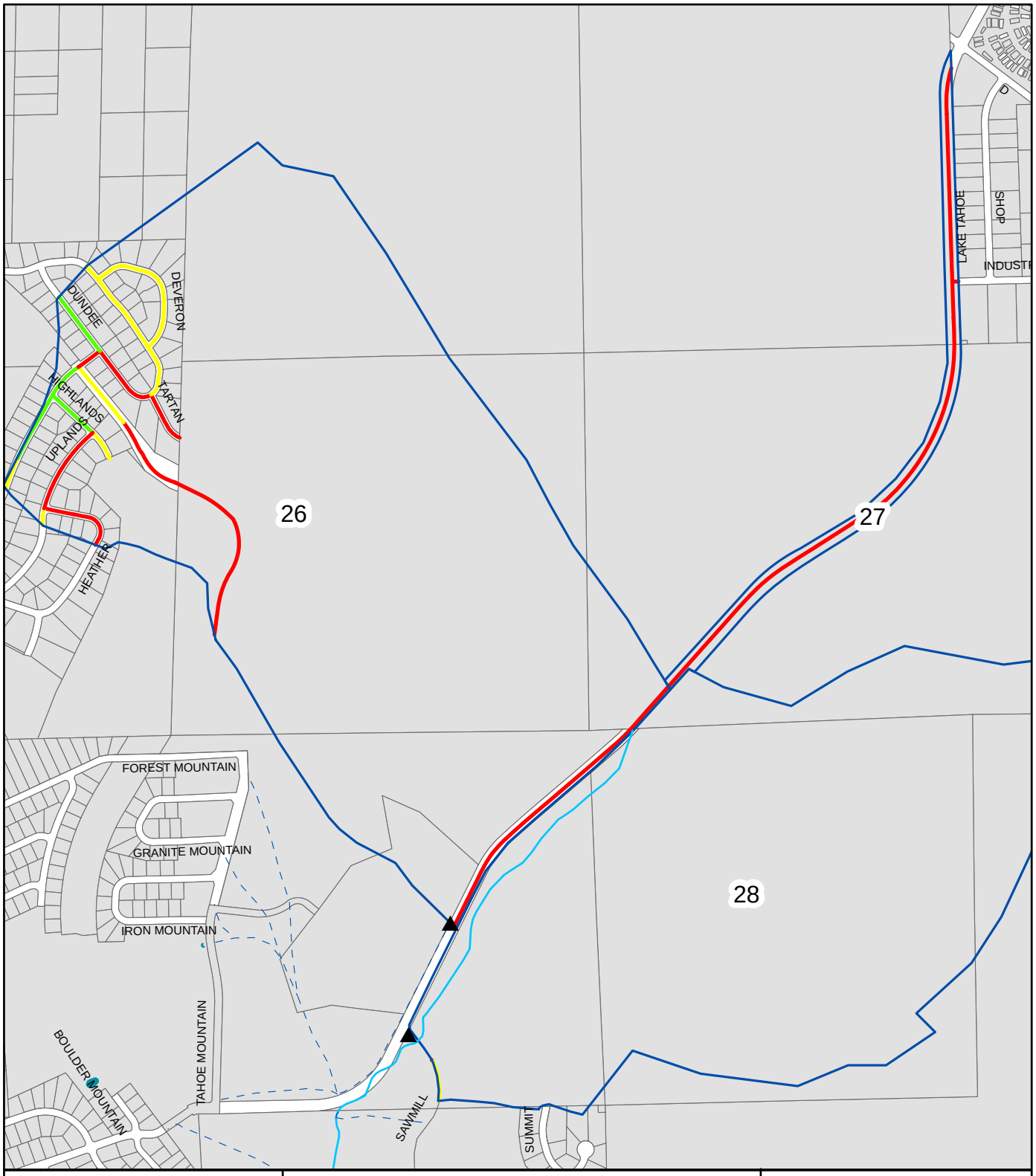
Lake Tahoe Blvd
UPC 26 - 28

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

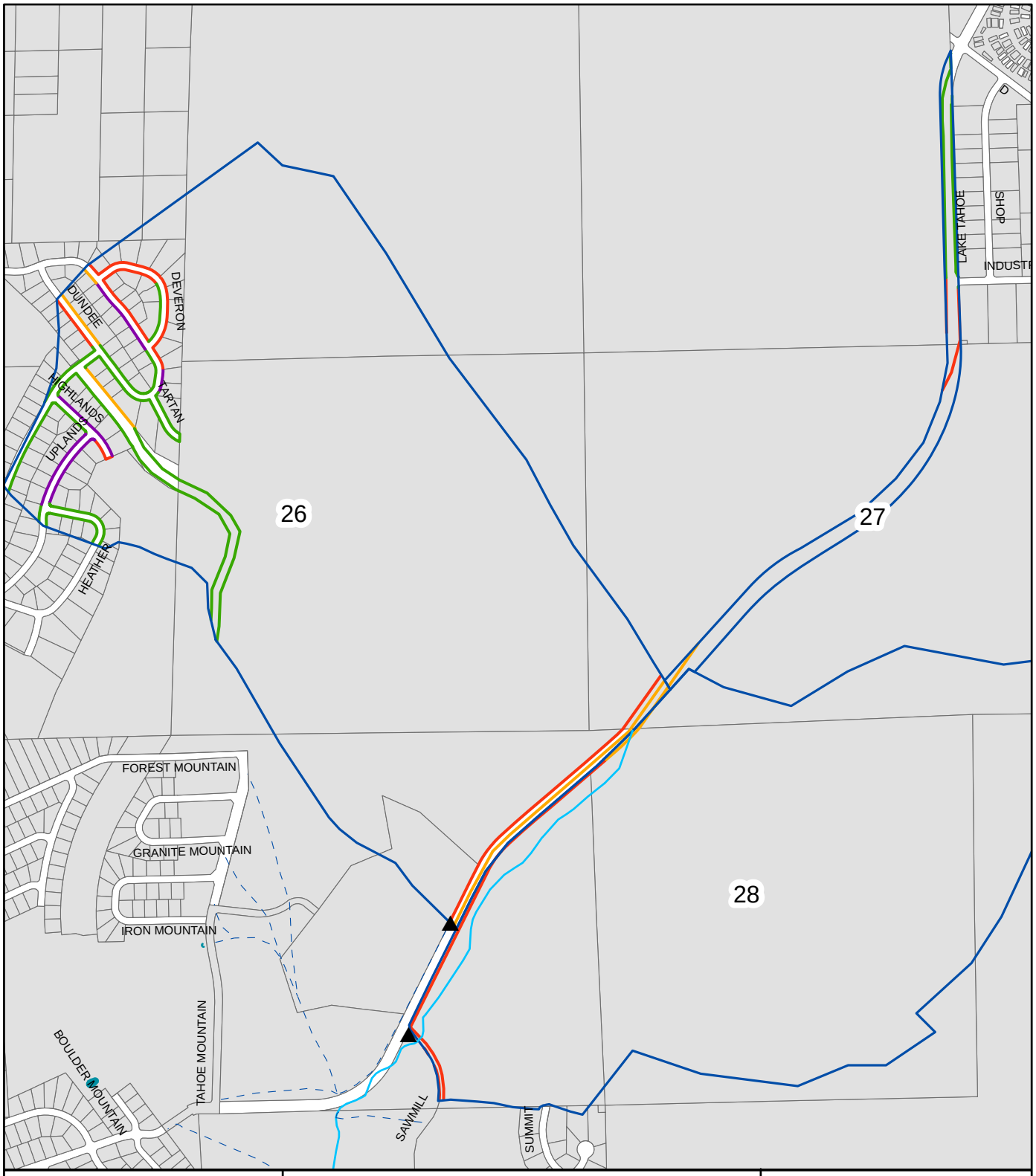
Lake Tahoe Blvd
UPC 26 - 28

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

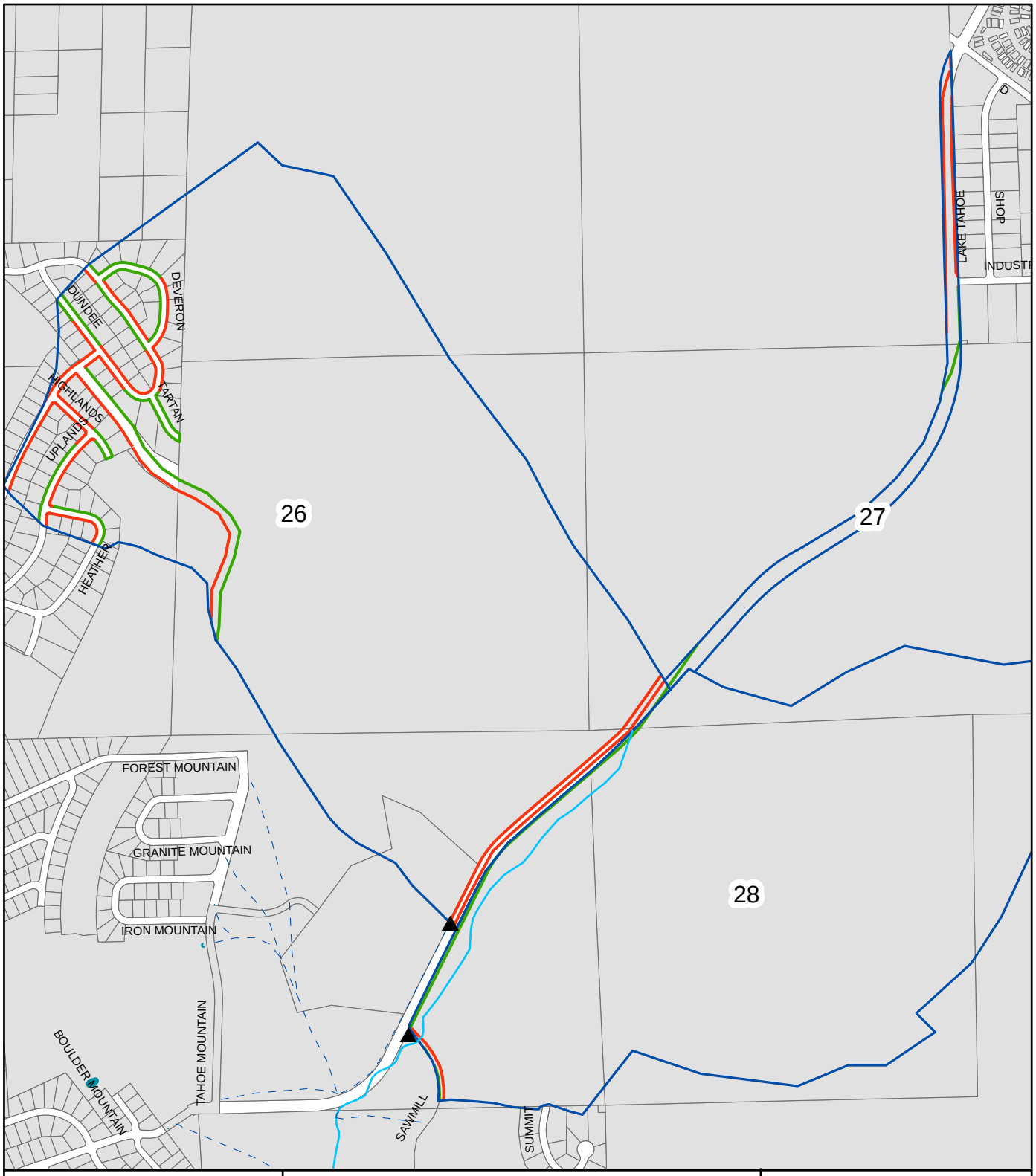
Lake Tahoe Blvd
UPC 26 - 28

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

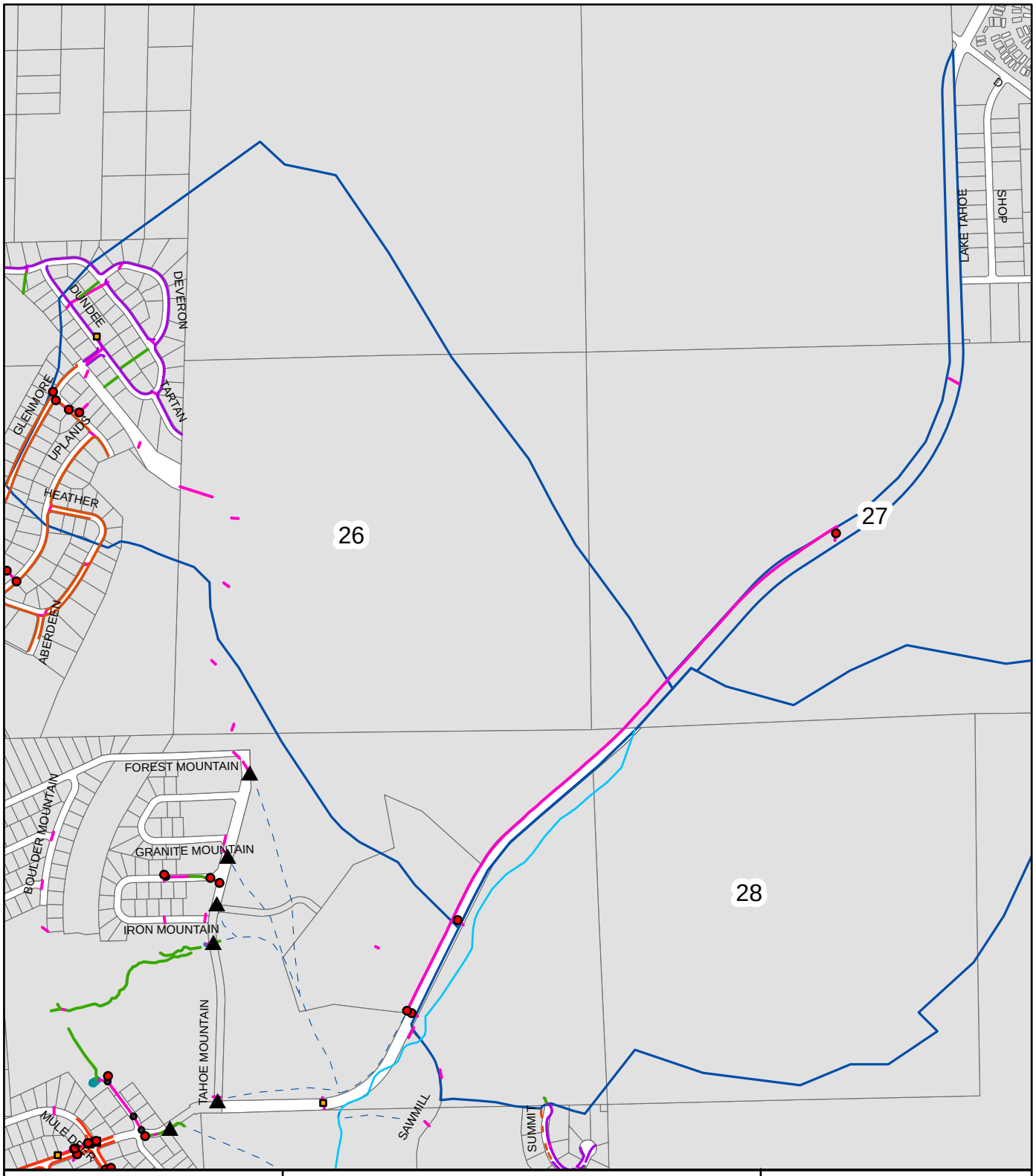
Lake Tahoe Blvd
UPC 26 - 28

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Dike
- EDC_Basins
- EDC_Walls
- EDC_Curb
- EDC_Channels

NID TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

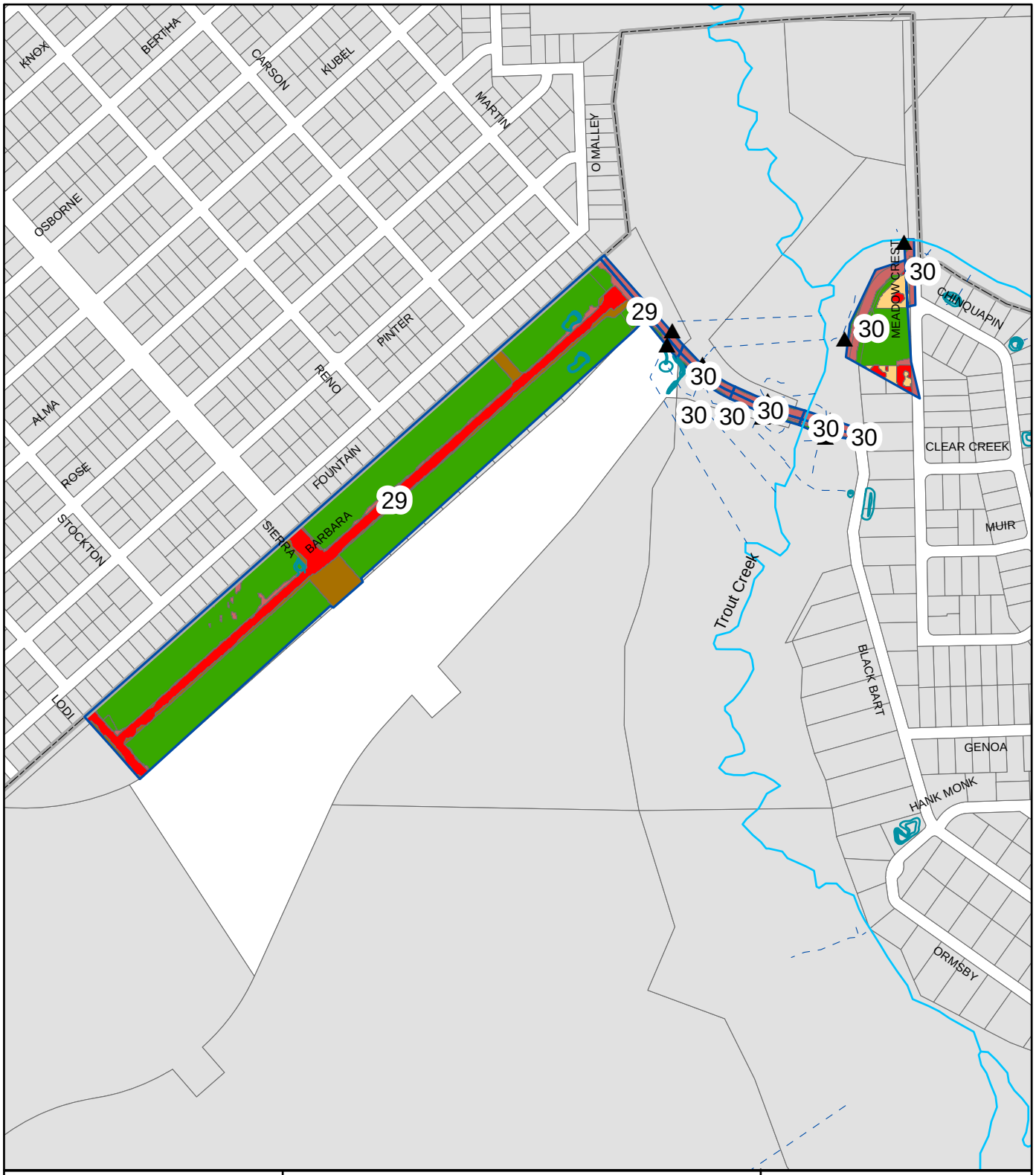
Lake Tahoe Blvd
UPC 26 - 28

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- County Line

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

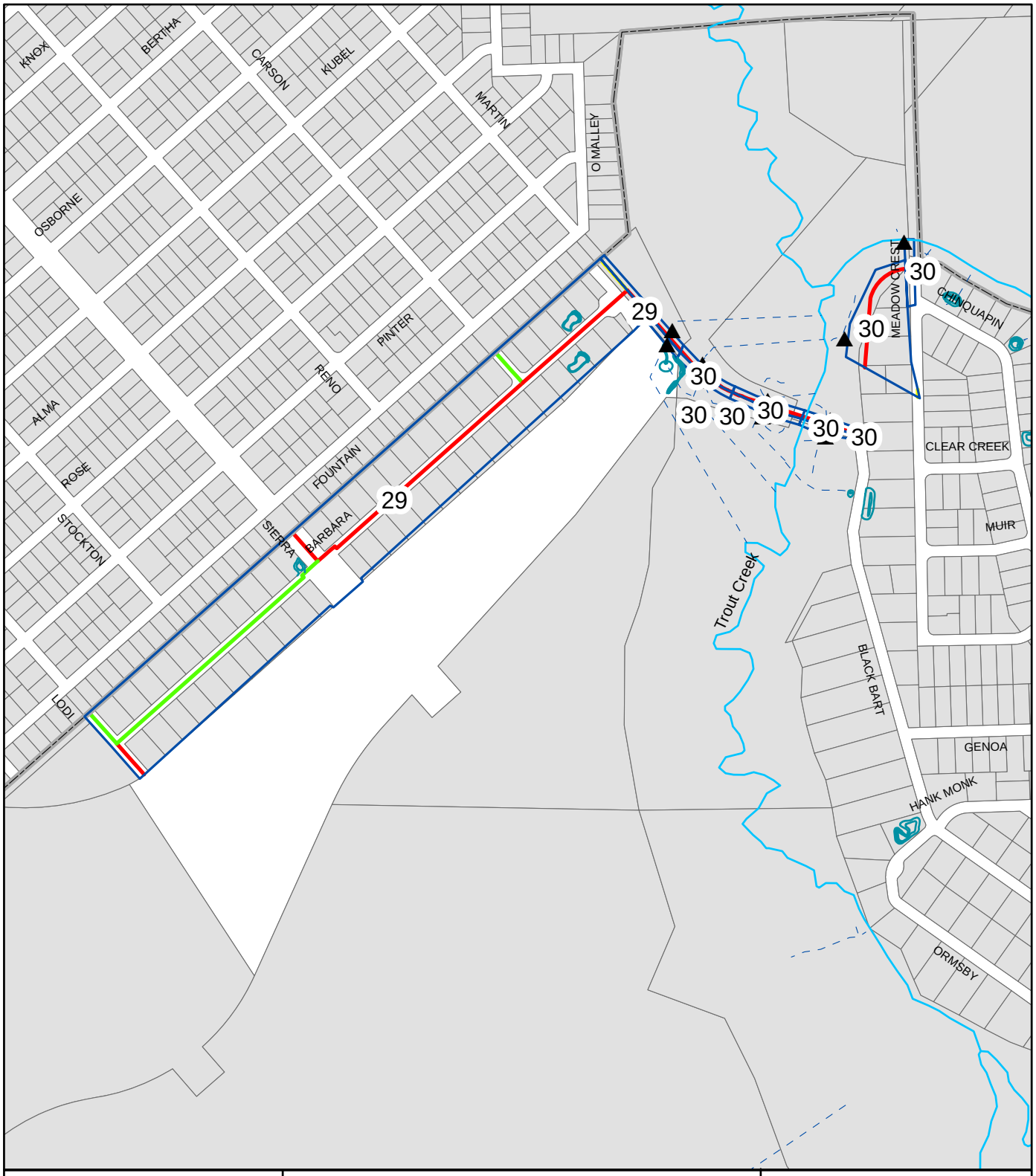
Barbara / Black Bart
UPC 29 - 30

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- County Line

Road Risk

- High
- Moderate
- Low

Baseline

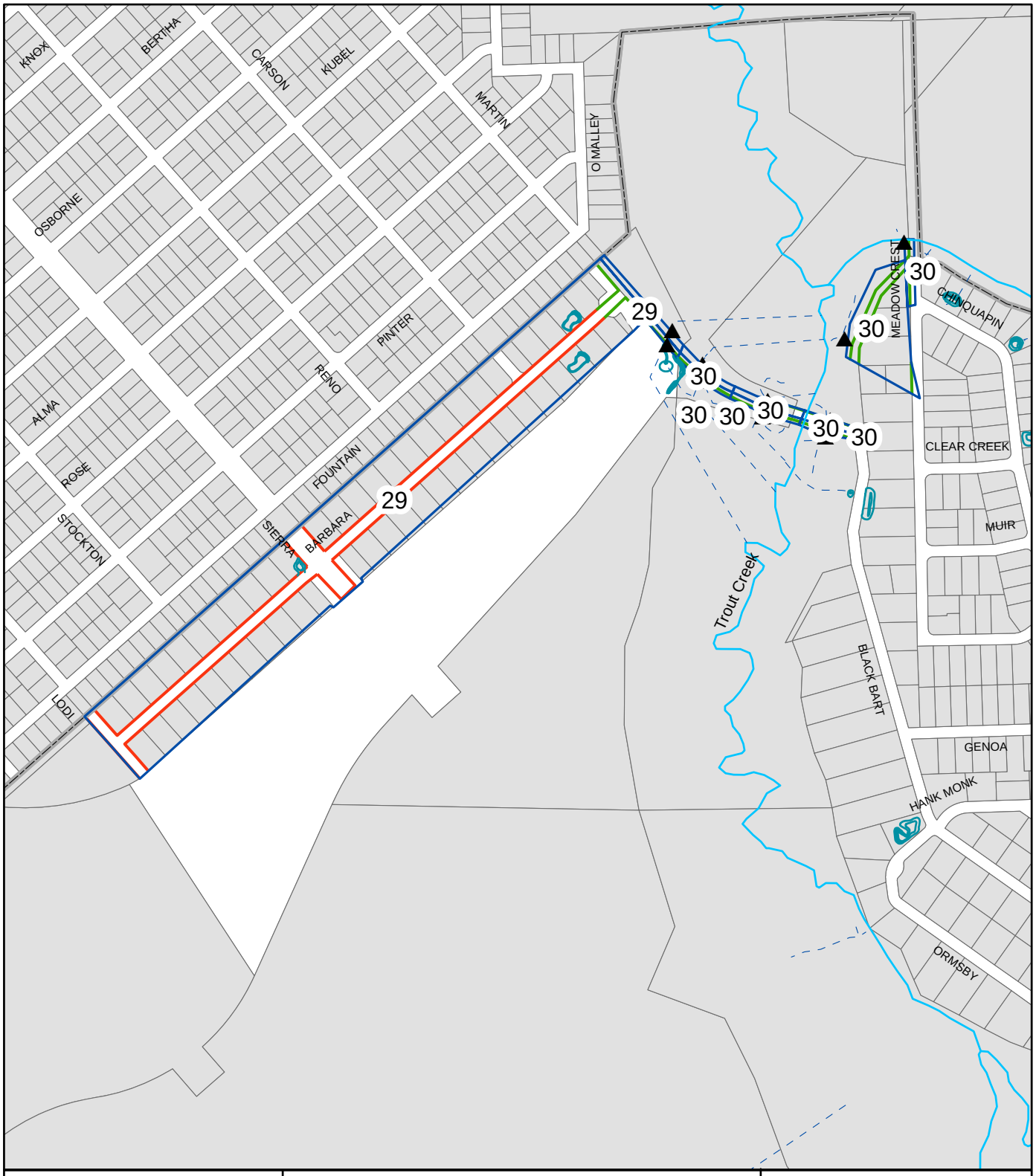
Barbara / Black Bart
UPC 29 - 30

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- County Line

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

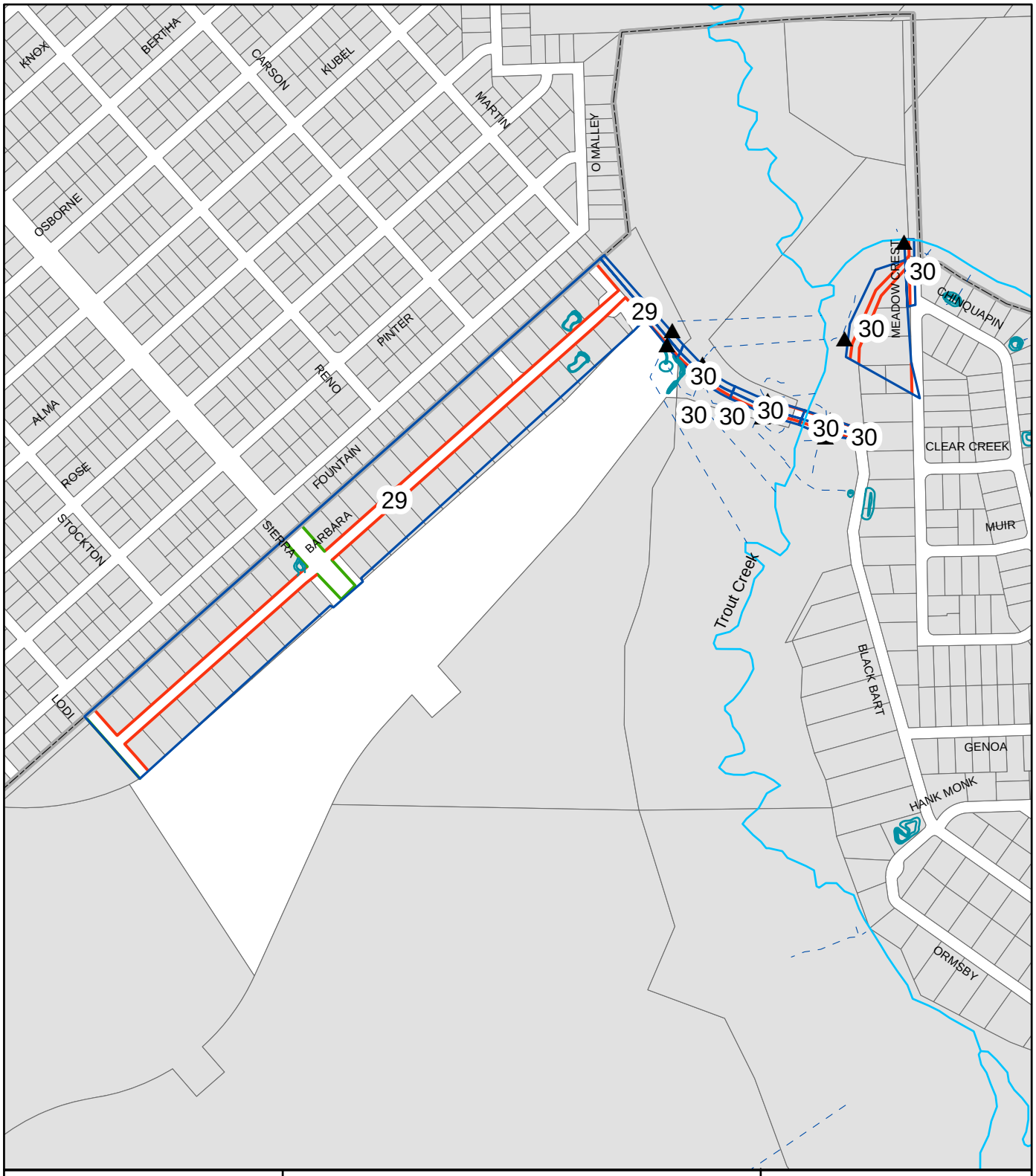
Barbara / Black Bart
UPC 29 - 30

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- County Line
- DCIA
- ICIA

Baseline

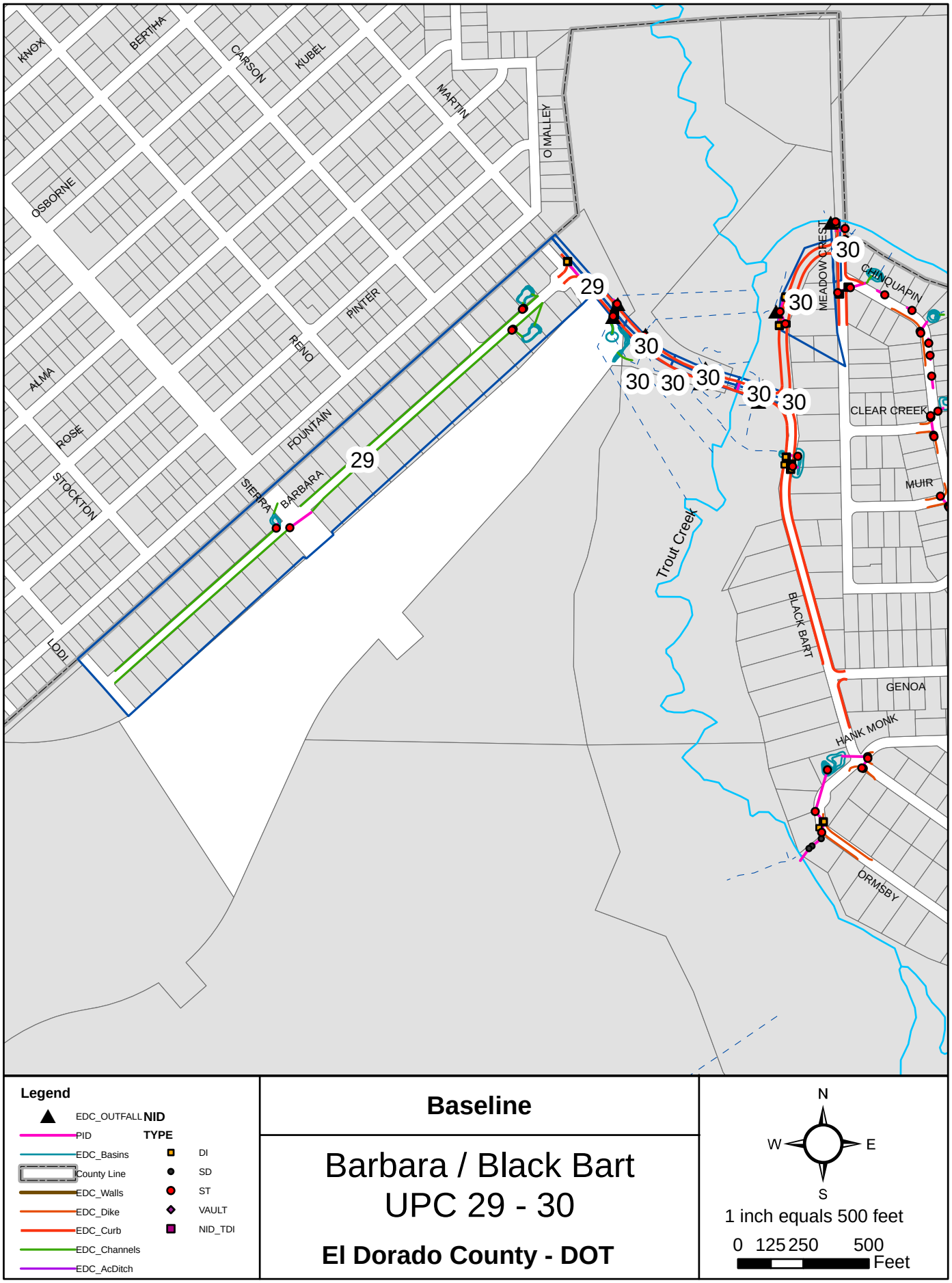
Barbara / Black Bart
UPC 29 - 30

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

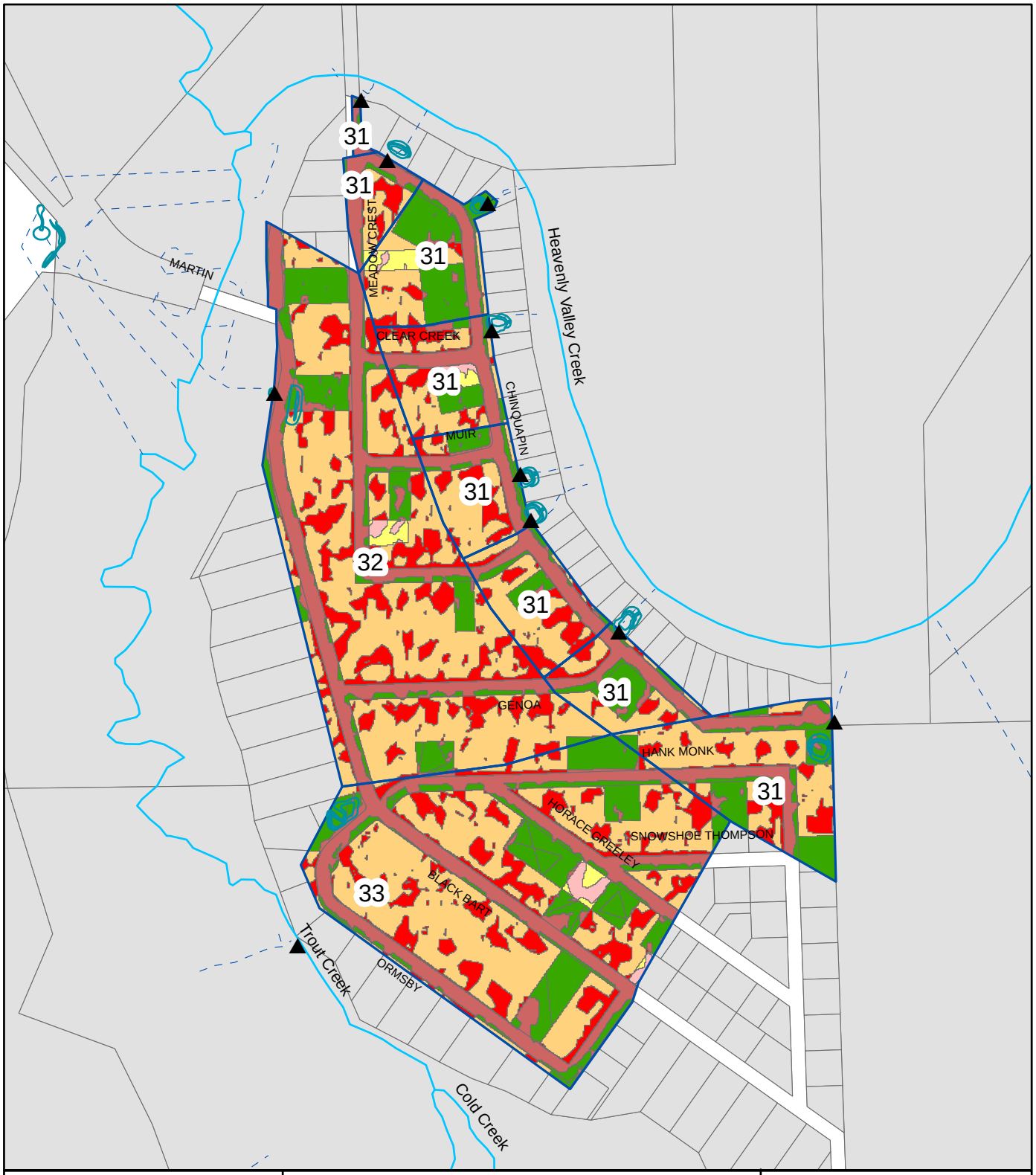
0 125 250 500 Feet



Baseline

Barbara / Black Bart UPC 29 - 30

El Dorado County - DOT



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

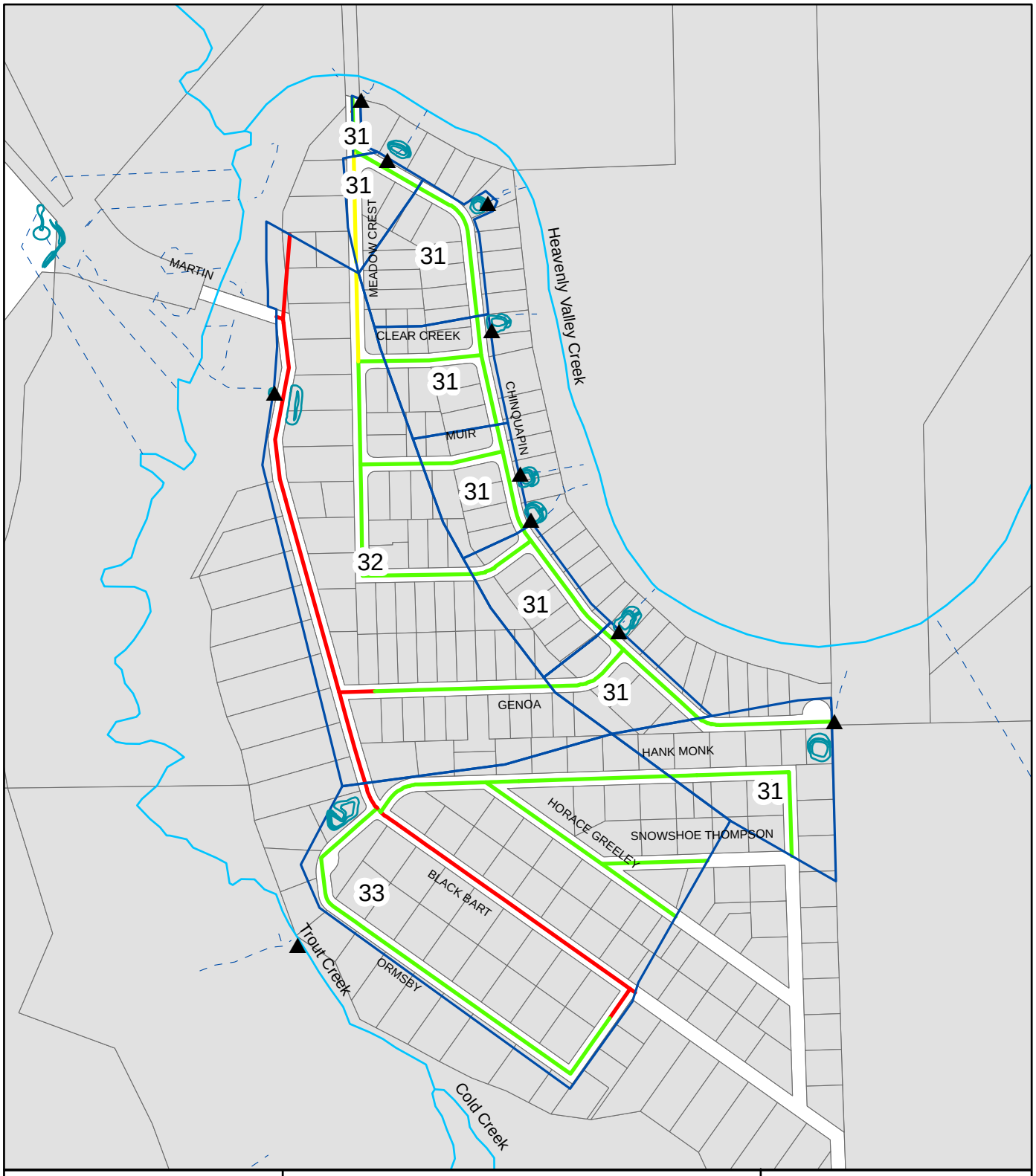
Black Bart
UPC 31 - 33

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

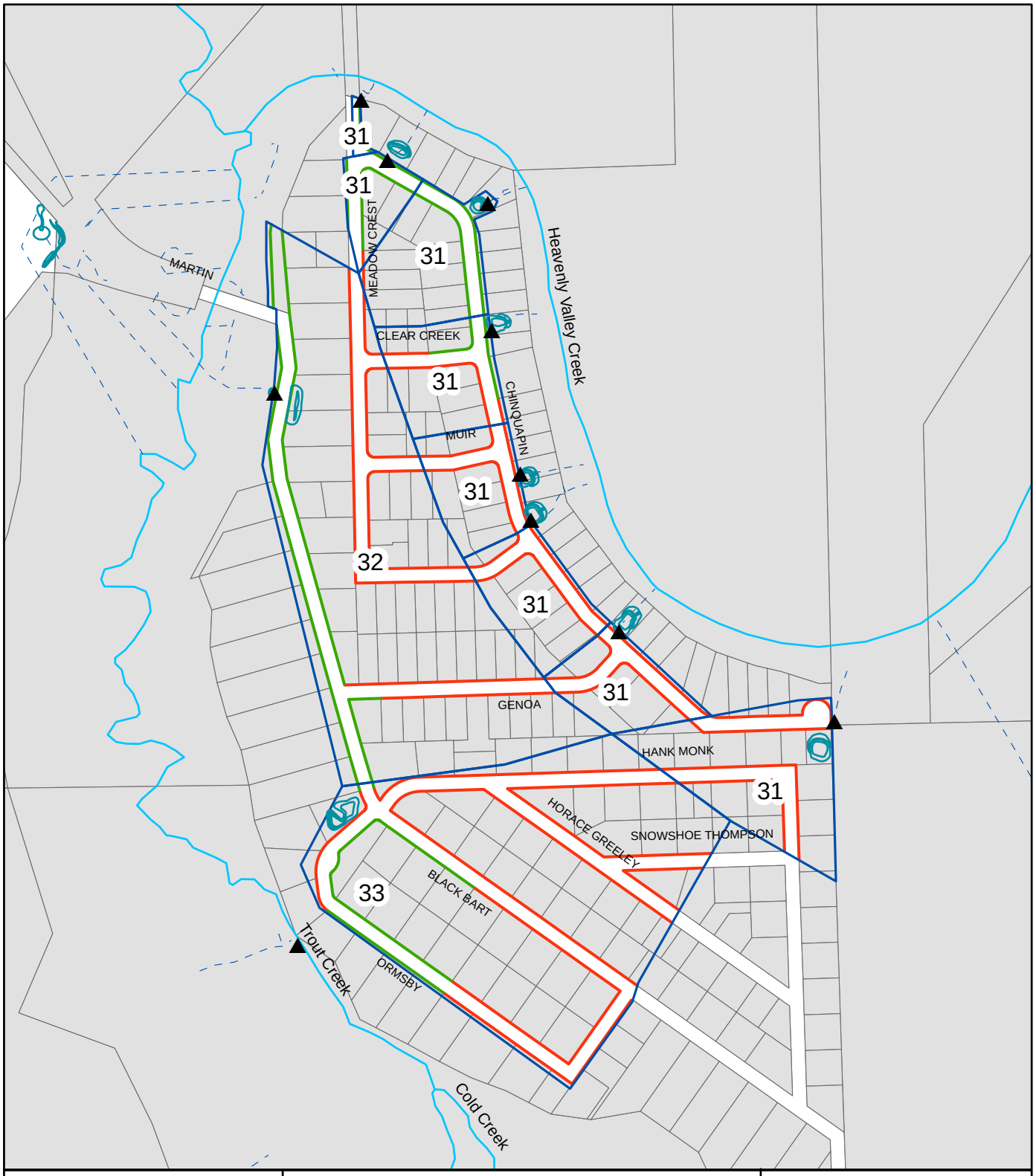
Black Bart
UPC 31 - 33

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

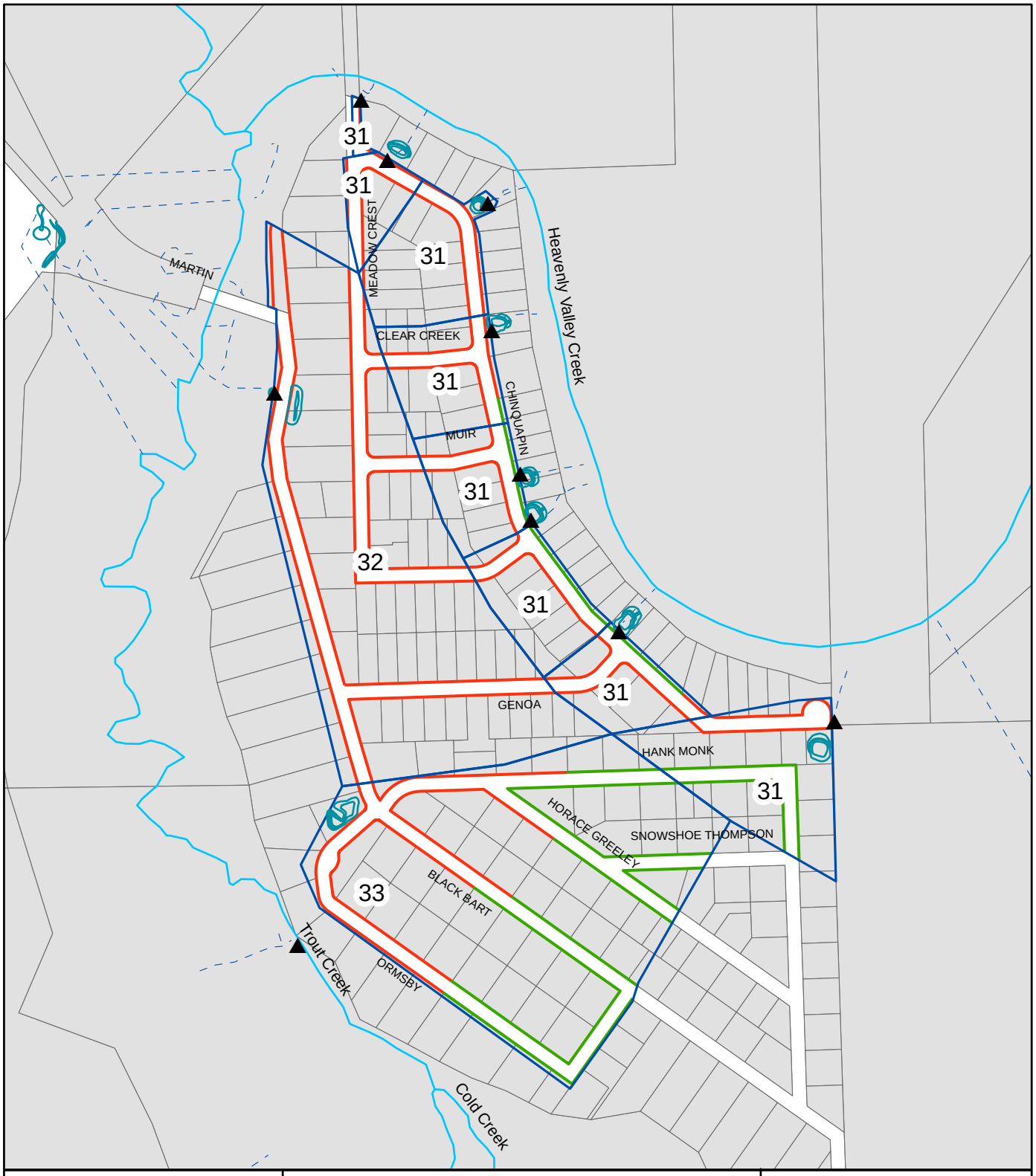
Black Bart
UPC 31 - 33

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

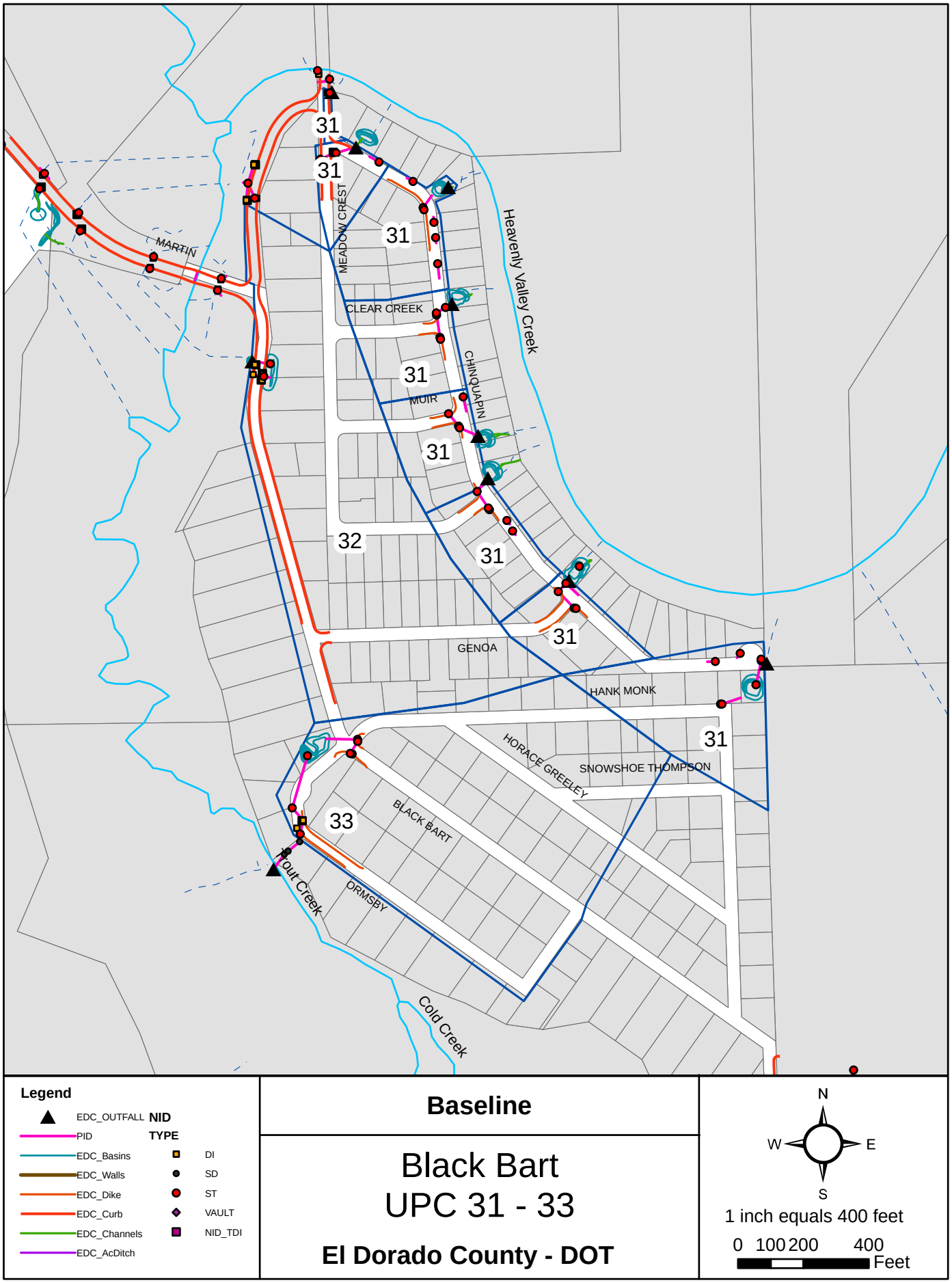
Black Bart
UPC 31 - 33

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

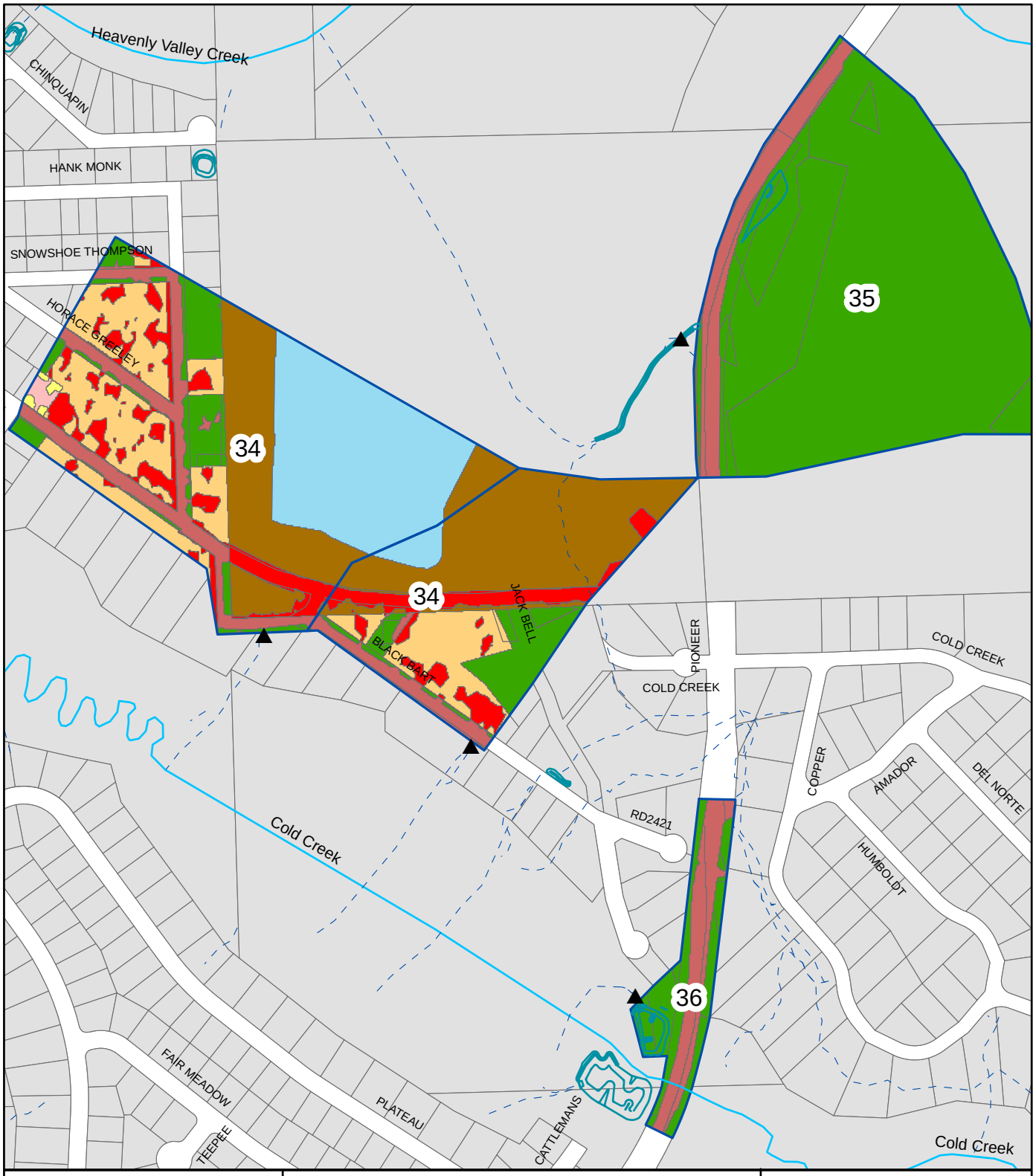
0 100 200 400 Feet



Baseline

Black Bart
UPC 31 - 33

El Dorado County - DOT



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

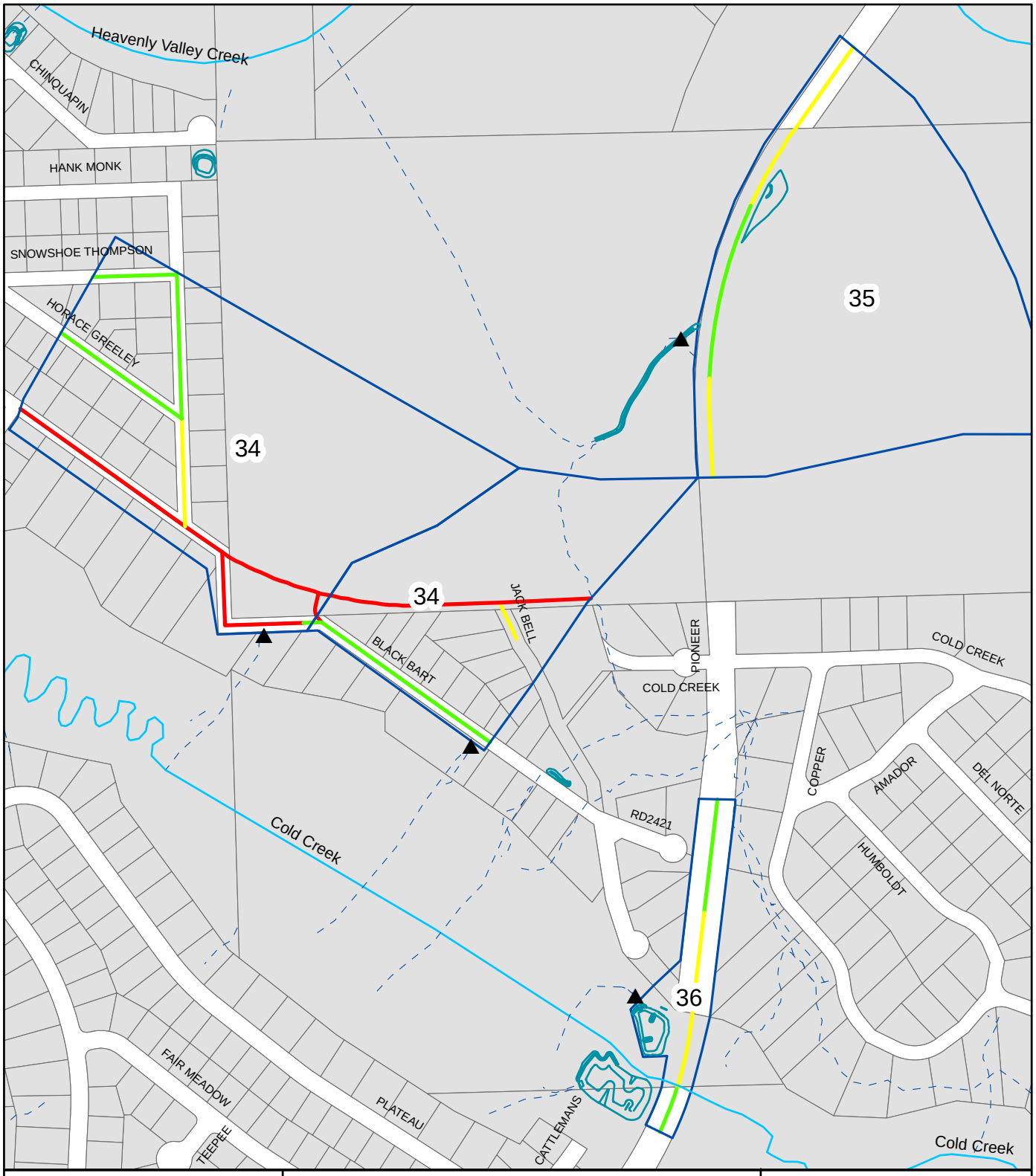
Black Bart / Pioneer Trail
UPC 34 - 36

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

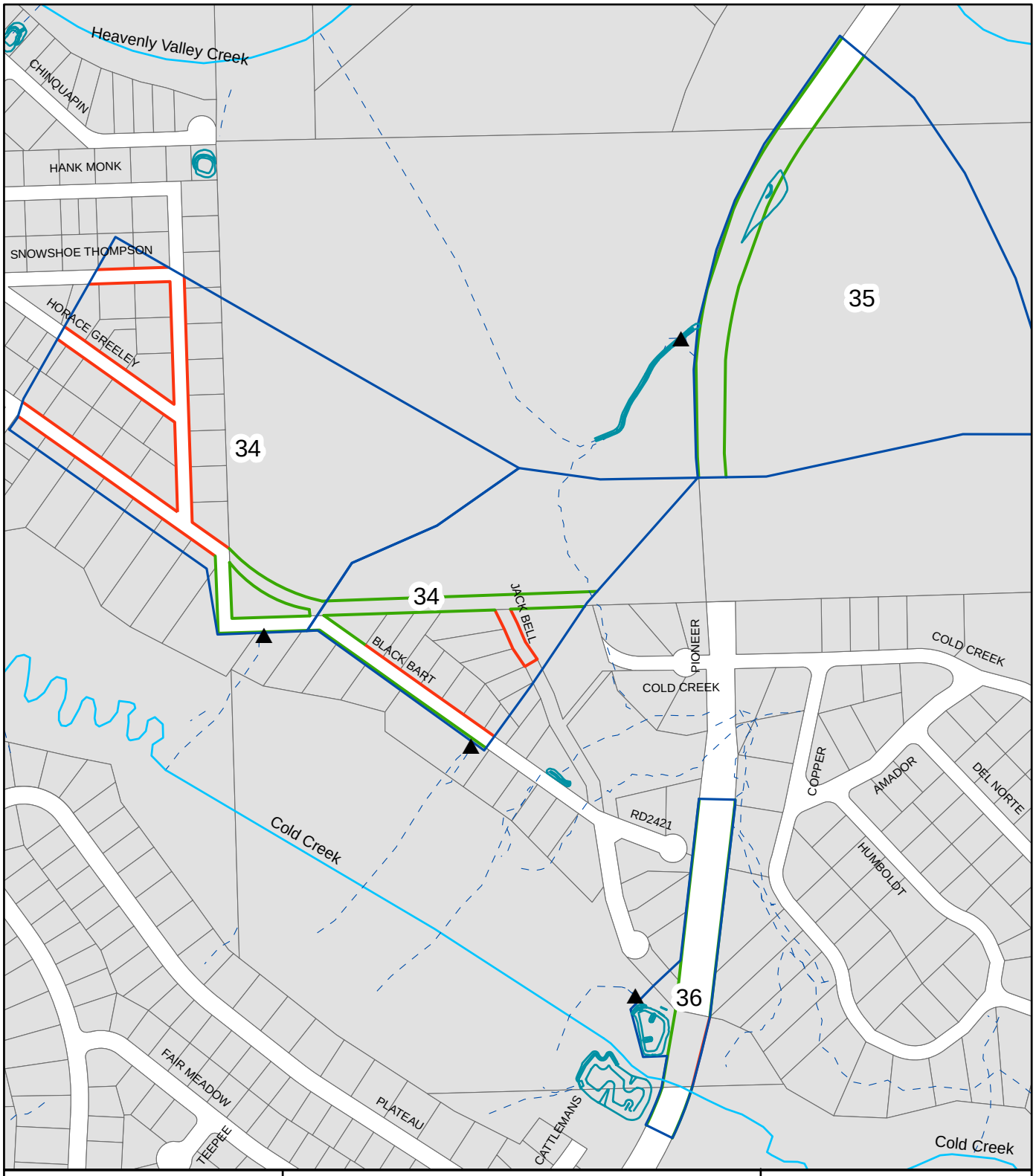
Black Bart / Pioneer Trail
UPC 34 - 36

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

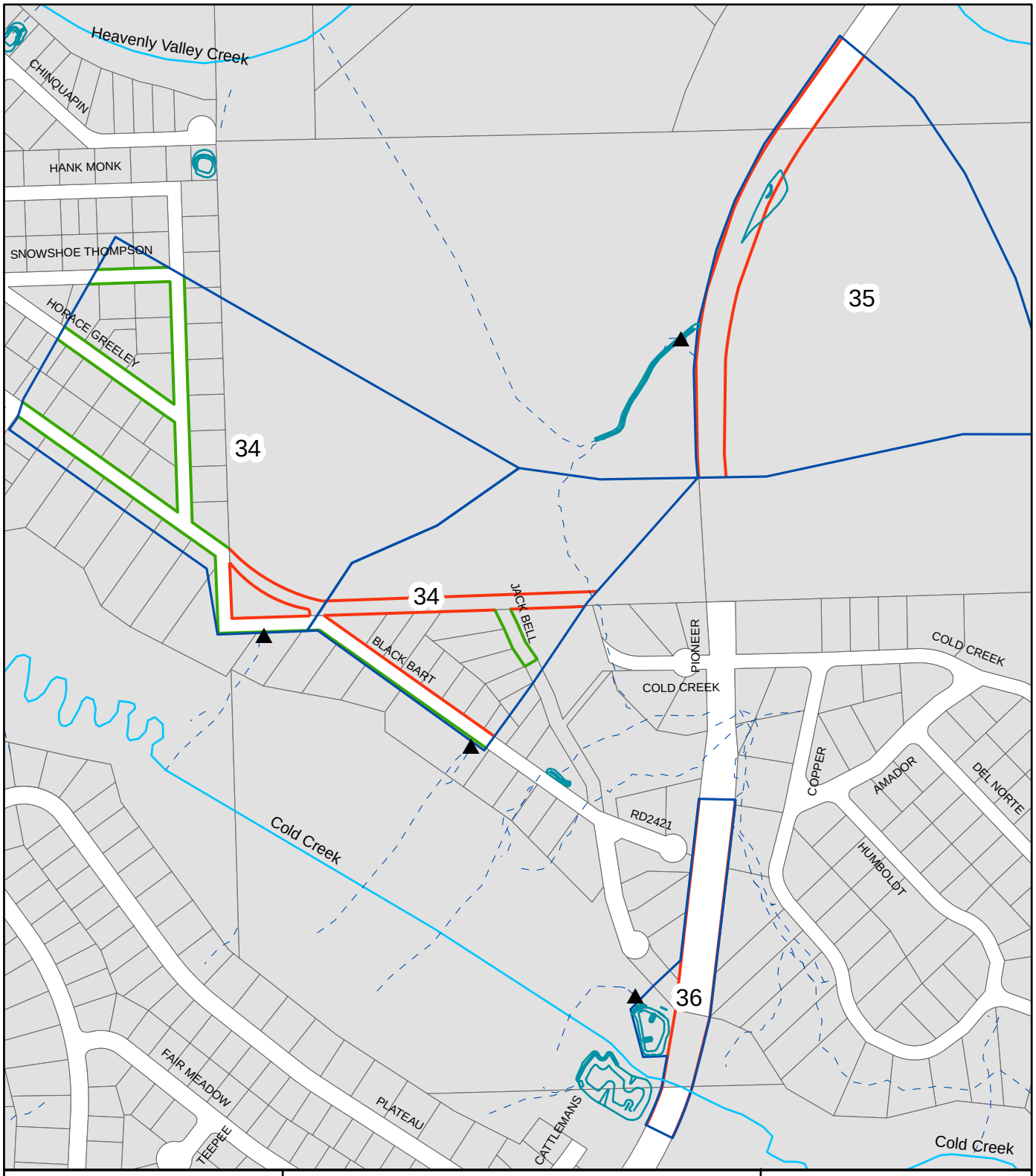
Black Bart / Pioneer Trail UPC 34 - 36

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

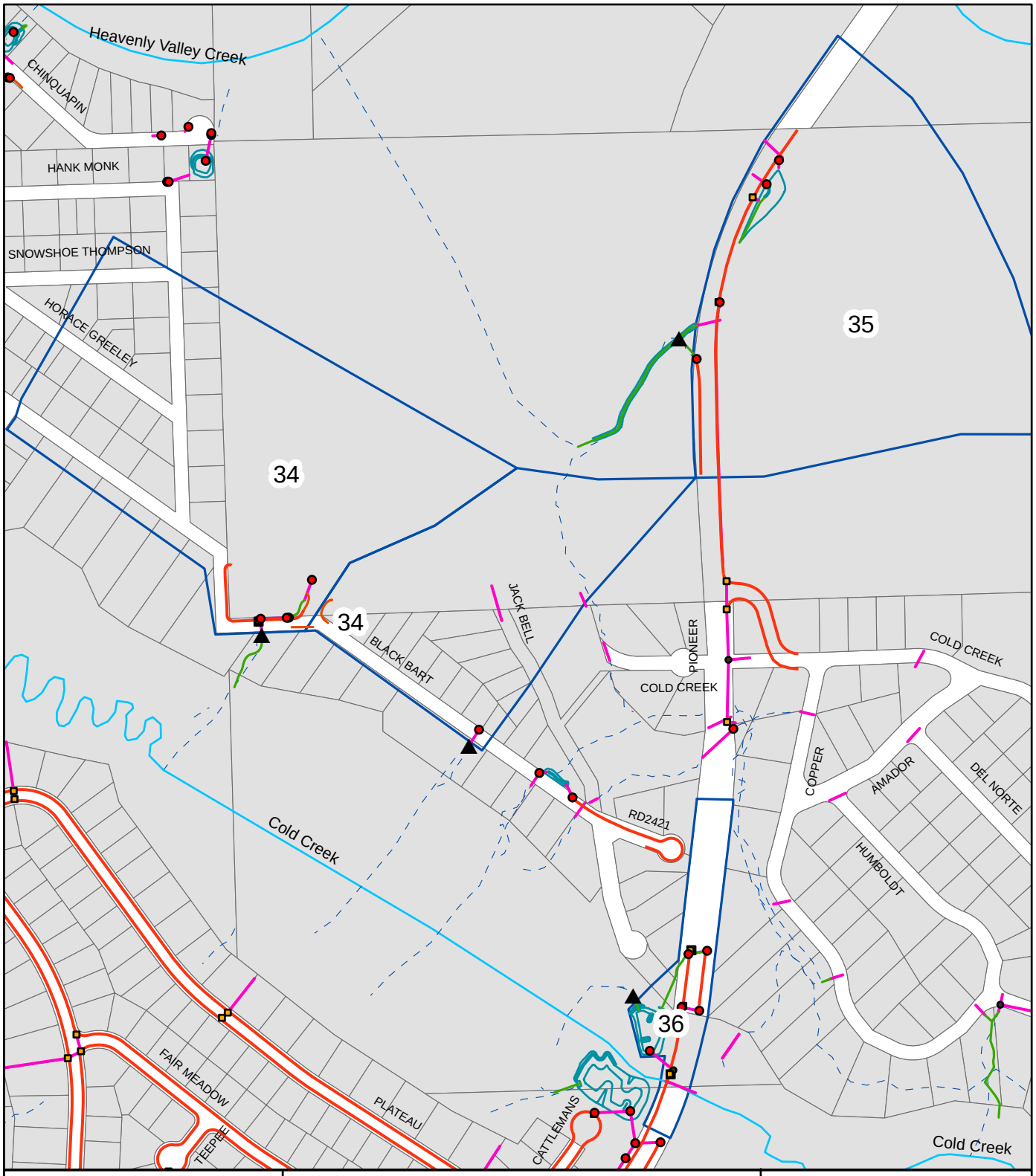
Black Bart / Pioneer Trail
UPC 34 - 36

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch

NID TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

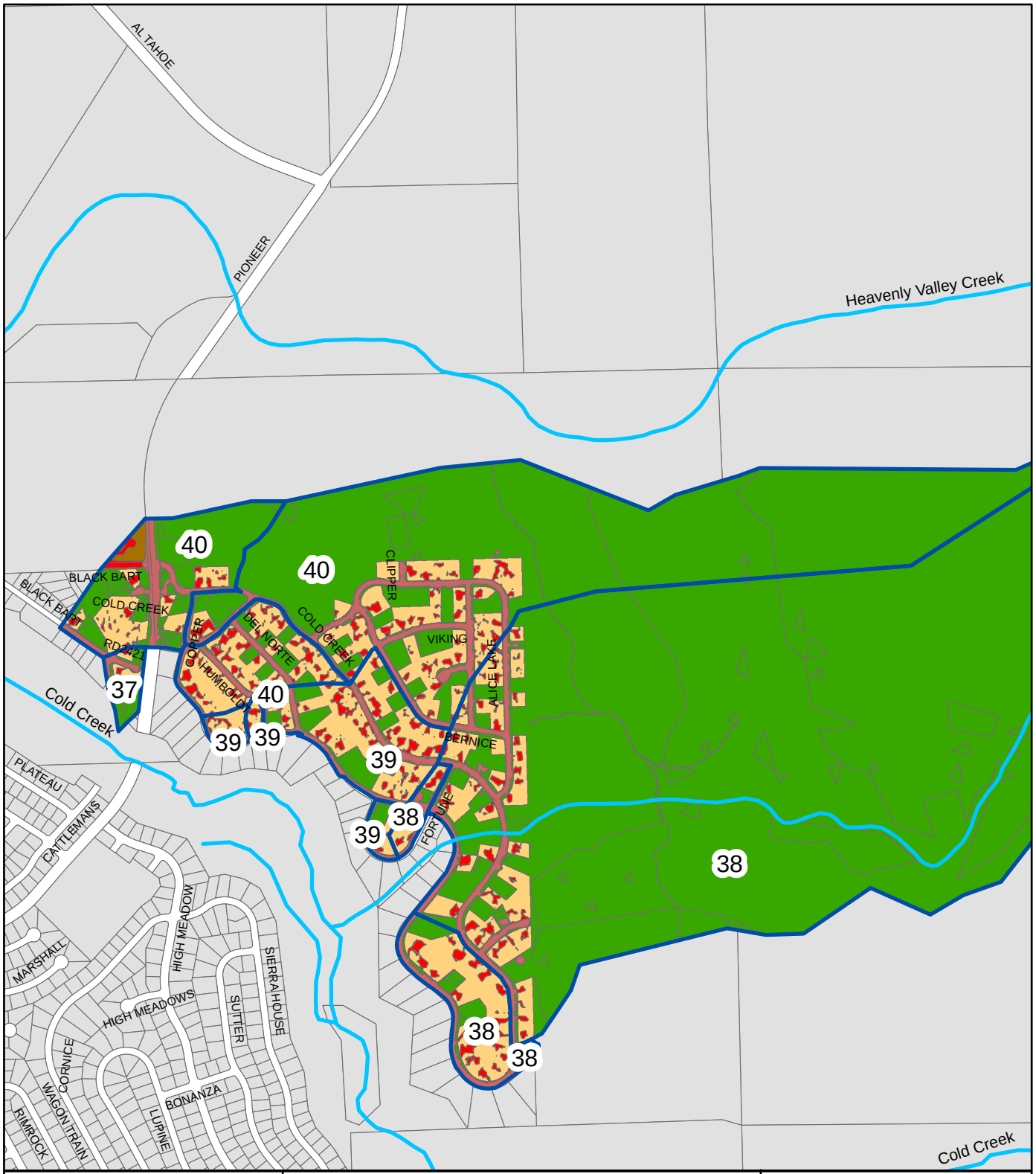
Black Bart / Pioneer Trail UPC 34 - 36

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

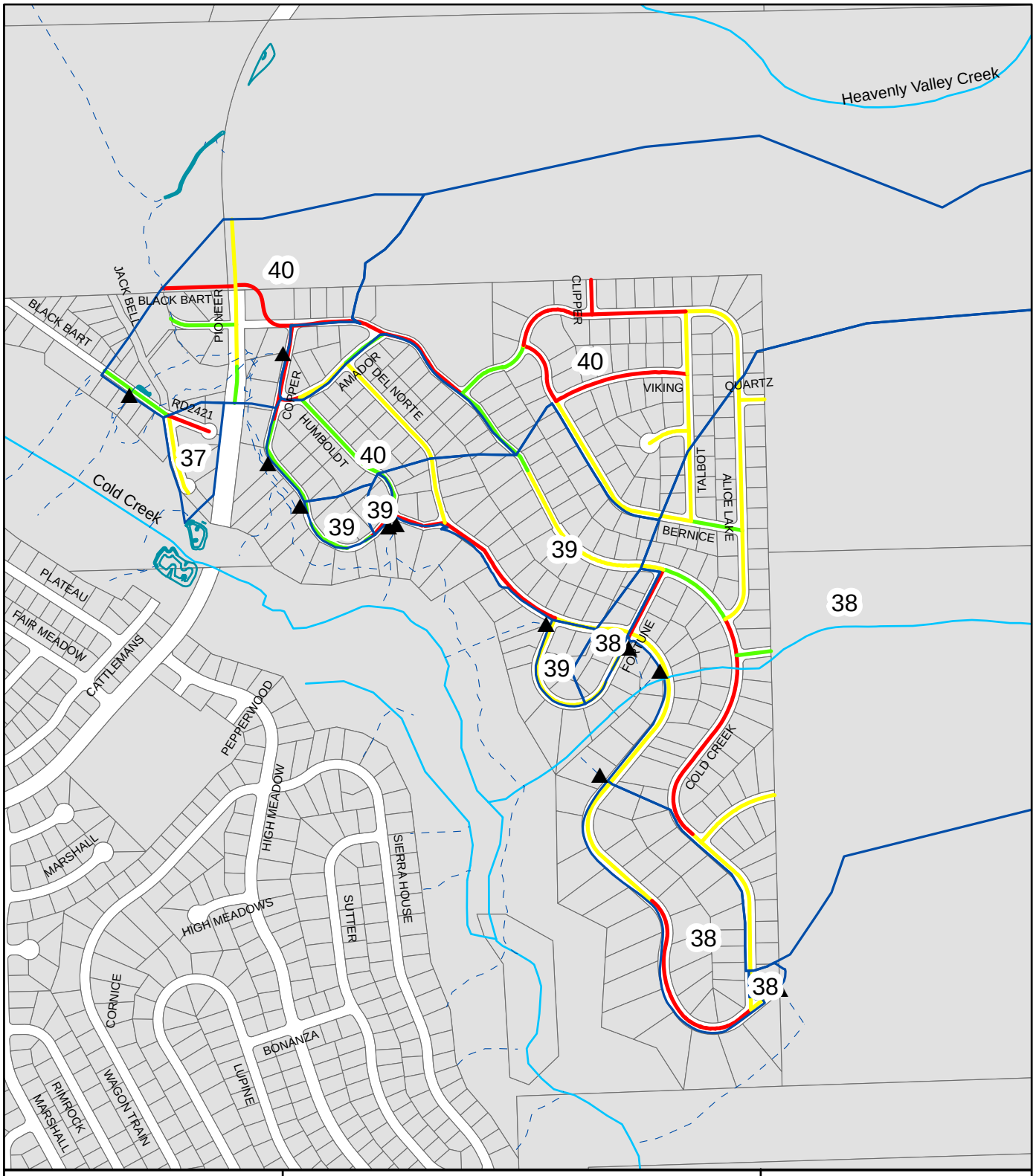
Montgomery - Area 1
UPC 37 - 40

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 300 600 1,200 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

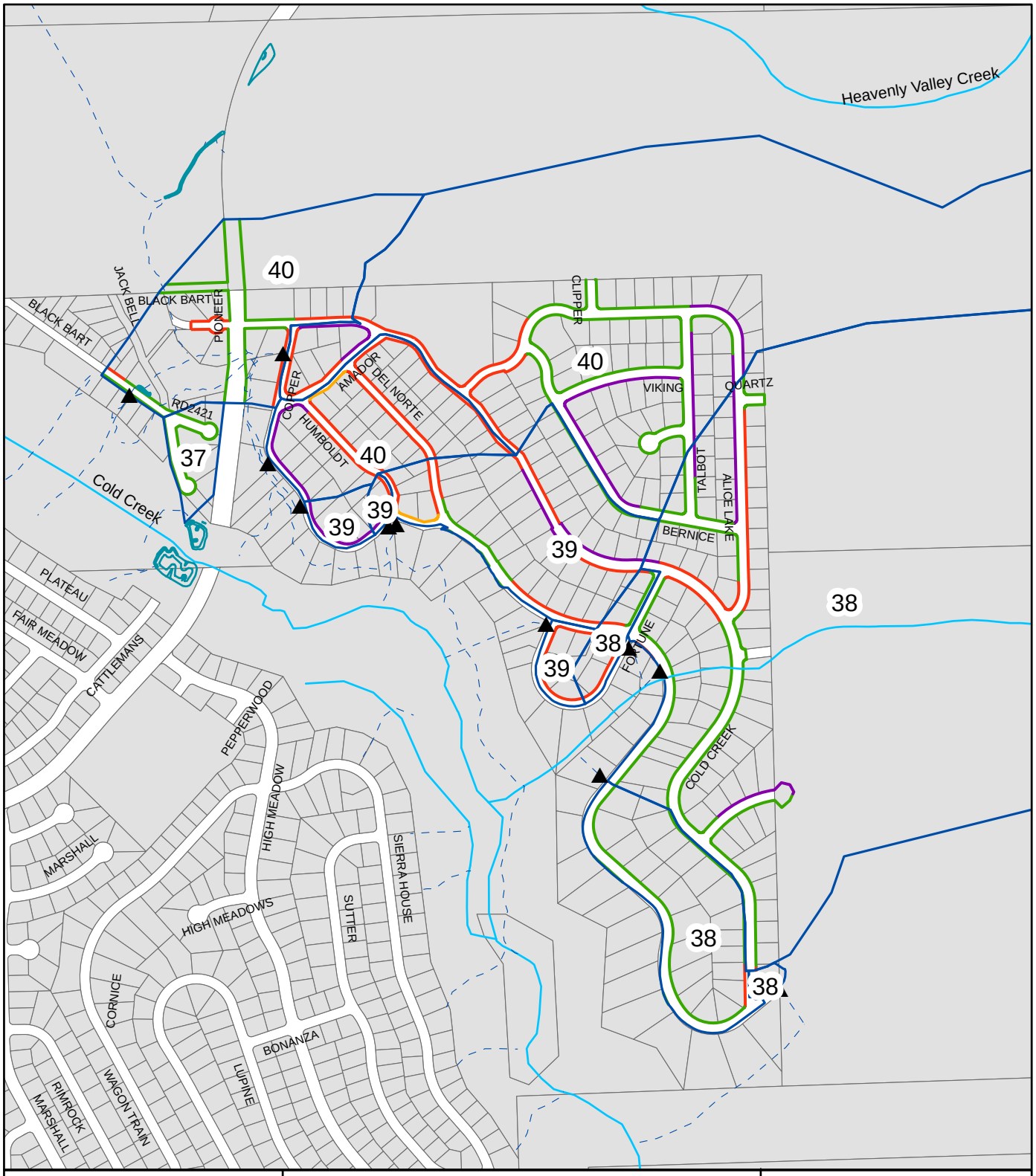
Montgomery - Area 1
UPC 37 - 40

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

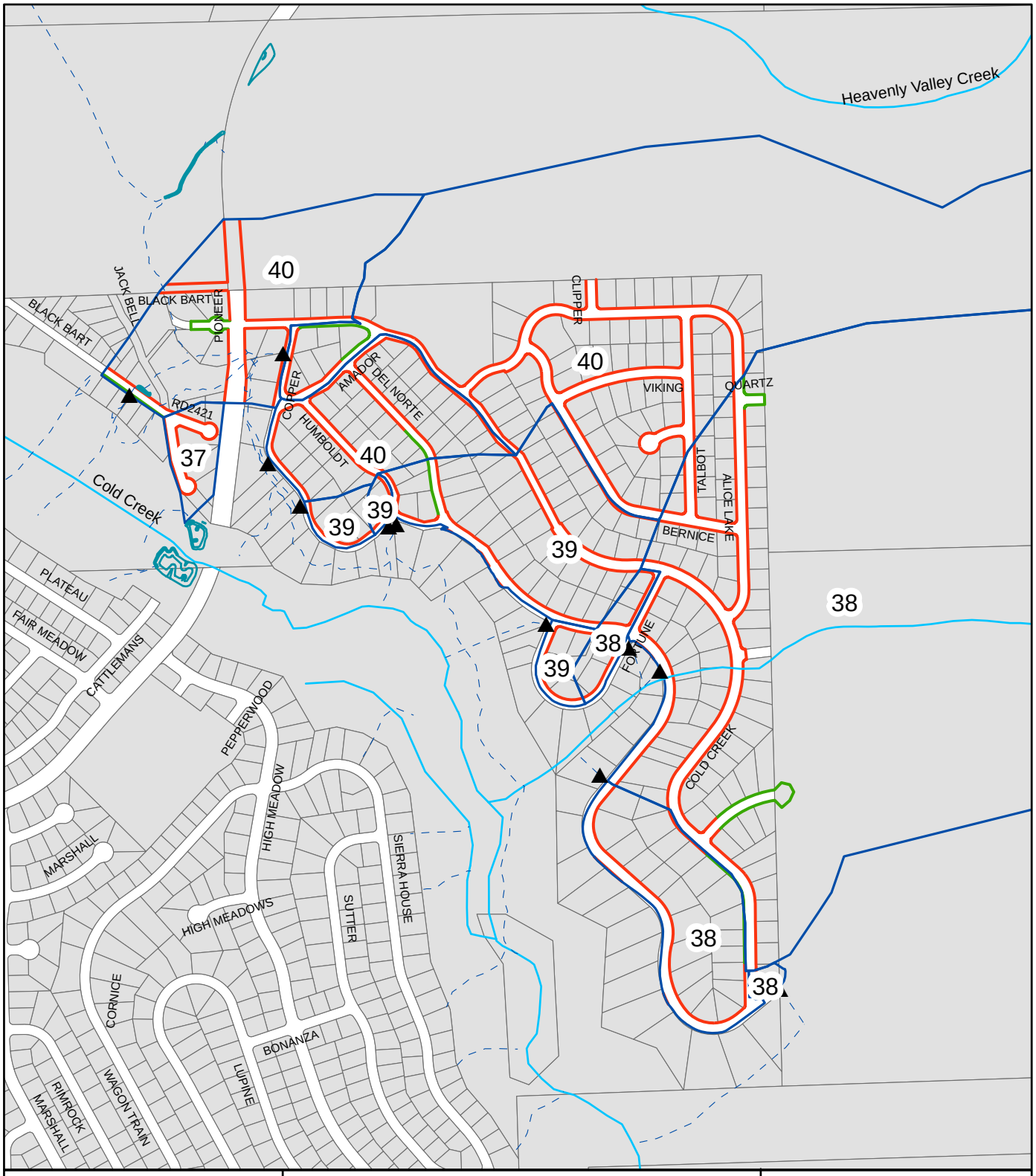
Montgomery - Area 1
UPC 37 - 40

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

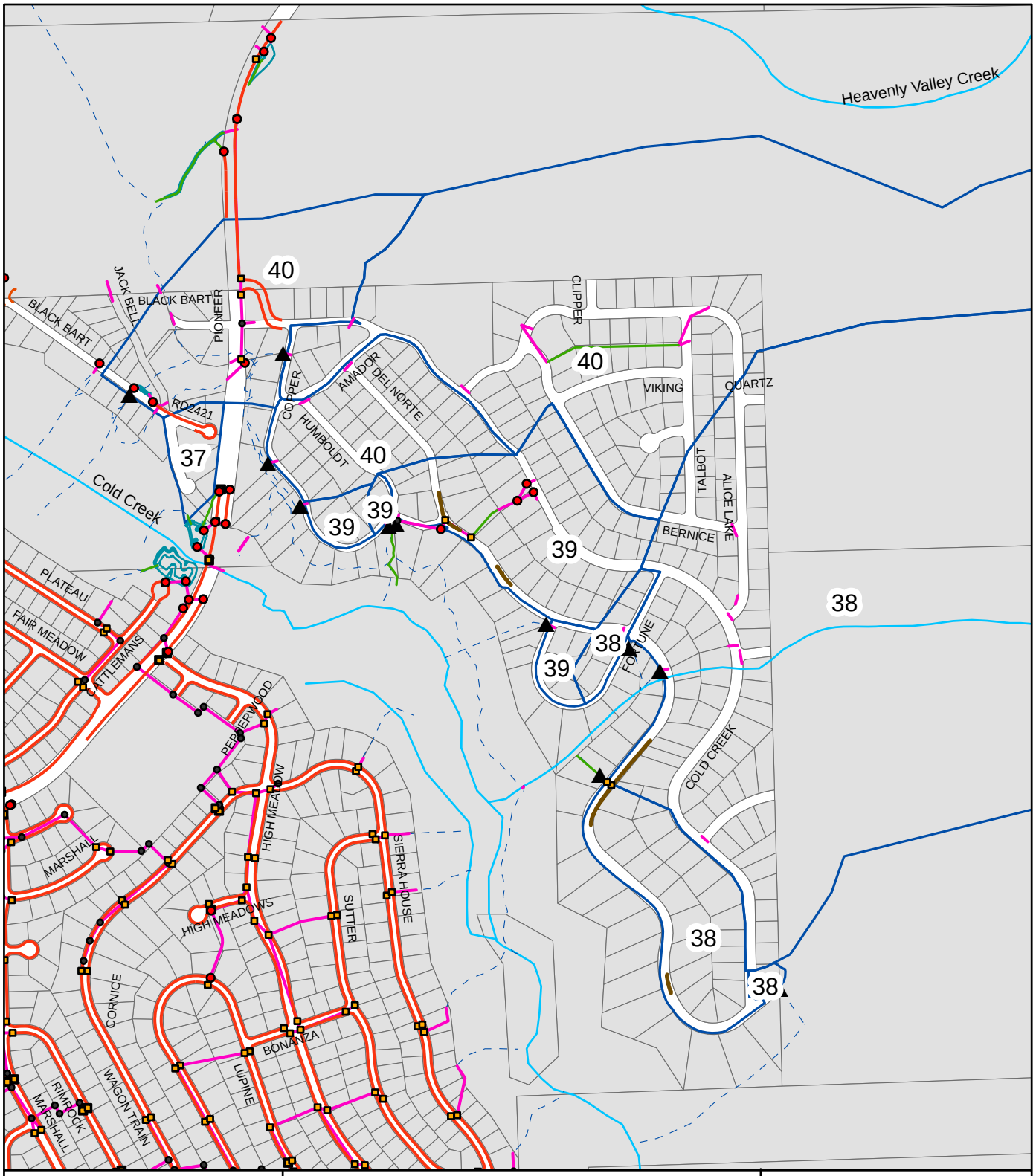
Montgomery - Area 1
UPC 37 - 40

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

▲	EDC_OUTFALL	**NID**	
	PID	**TYPE**	
	EDC_Basins	□	DI
	EDC_Walls	●	SD
	EDC_Dike	●	ST
	EDC_Curb	◆	VAULT
	EDC_Channels	■	NID_TDI
	EDC_AcDitch		

Baseline

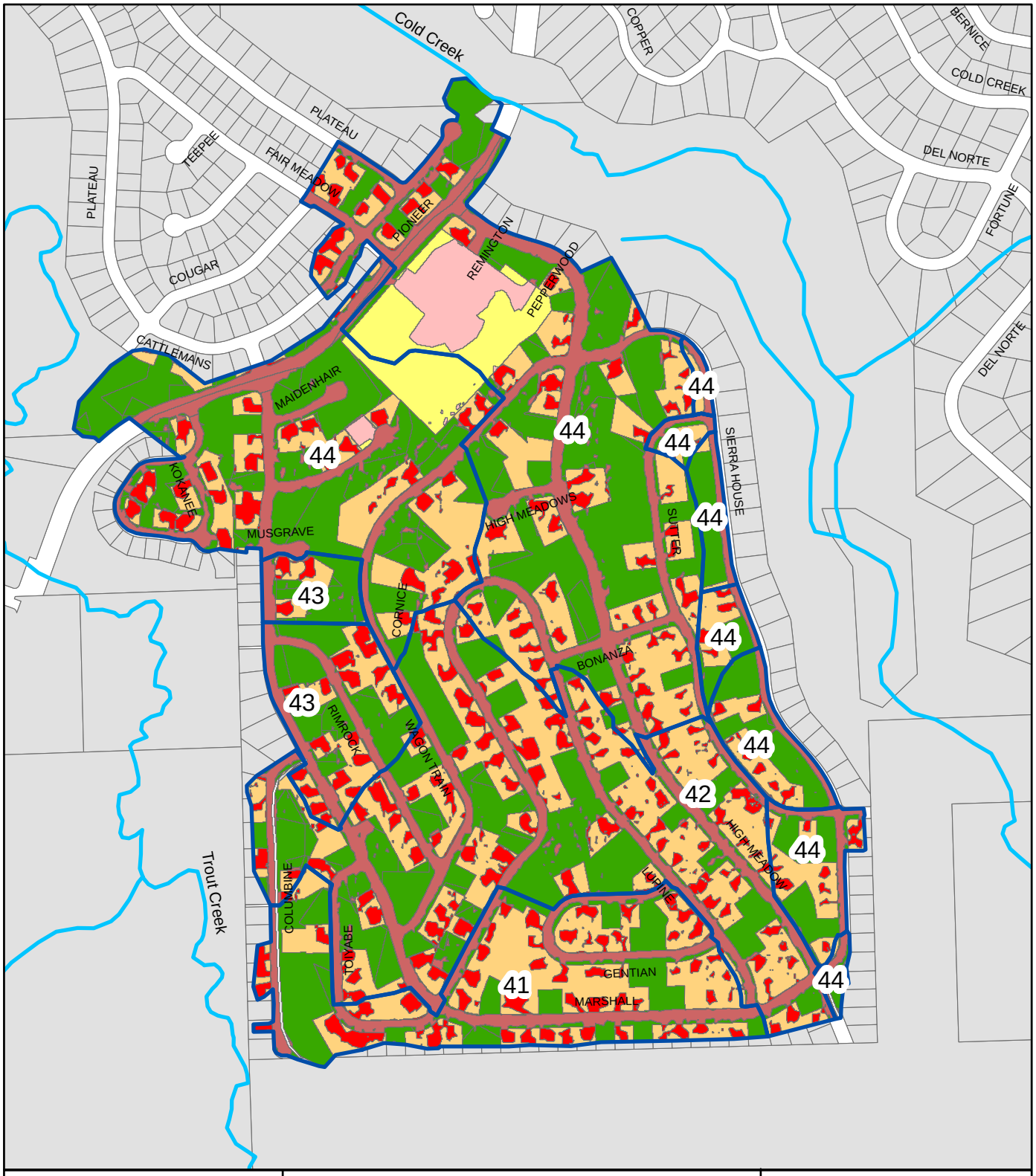
Montgomery - Area 1
UPC 37 - 40

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

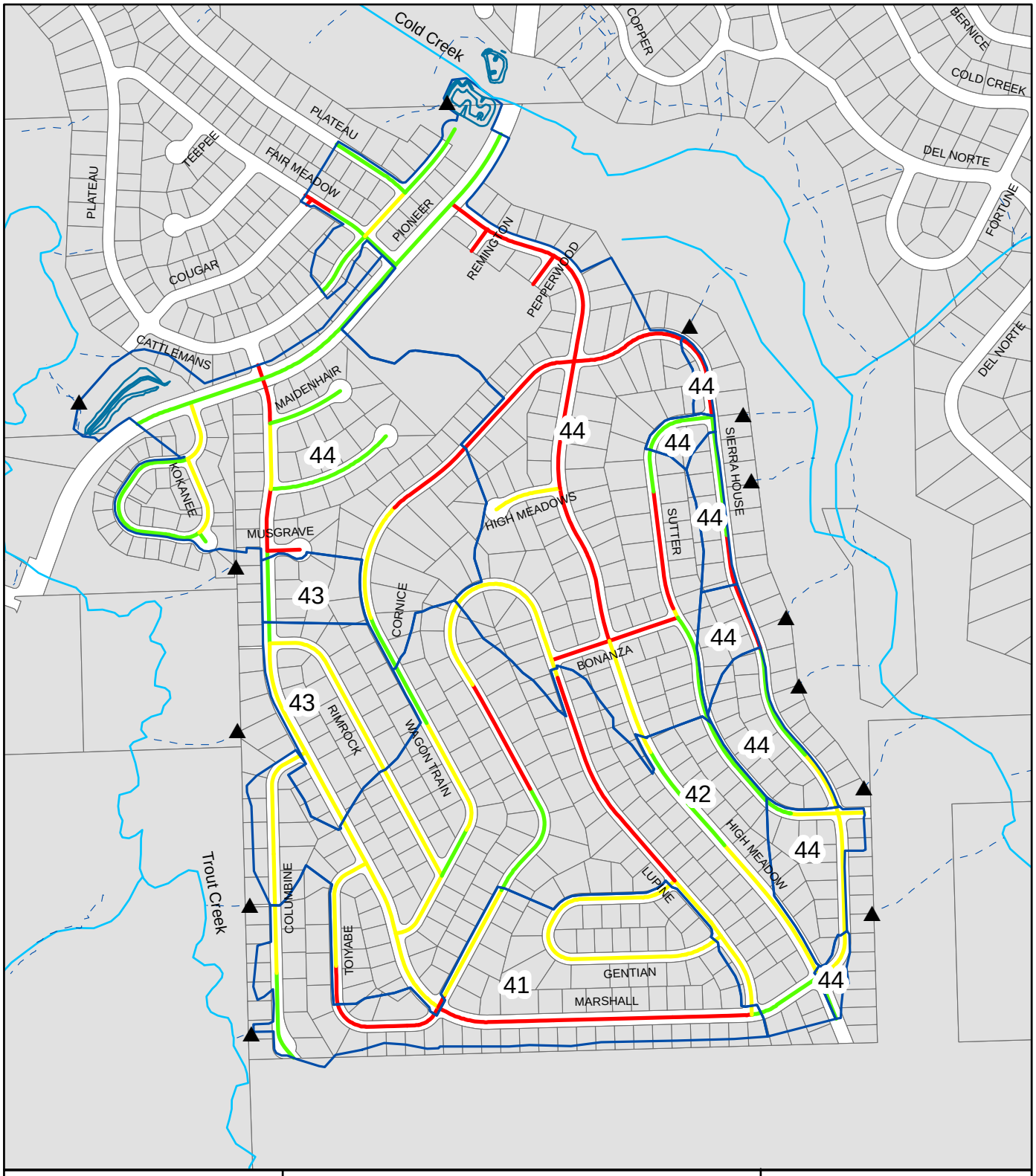
Montgomery - Area 2
UPC 41-44

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

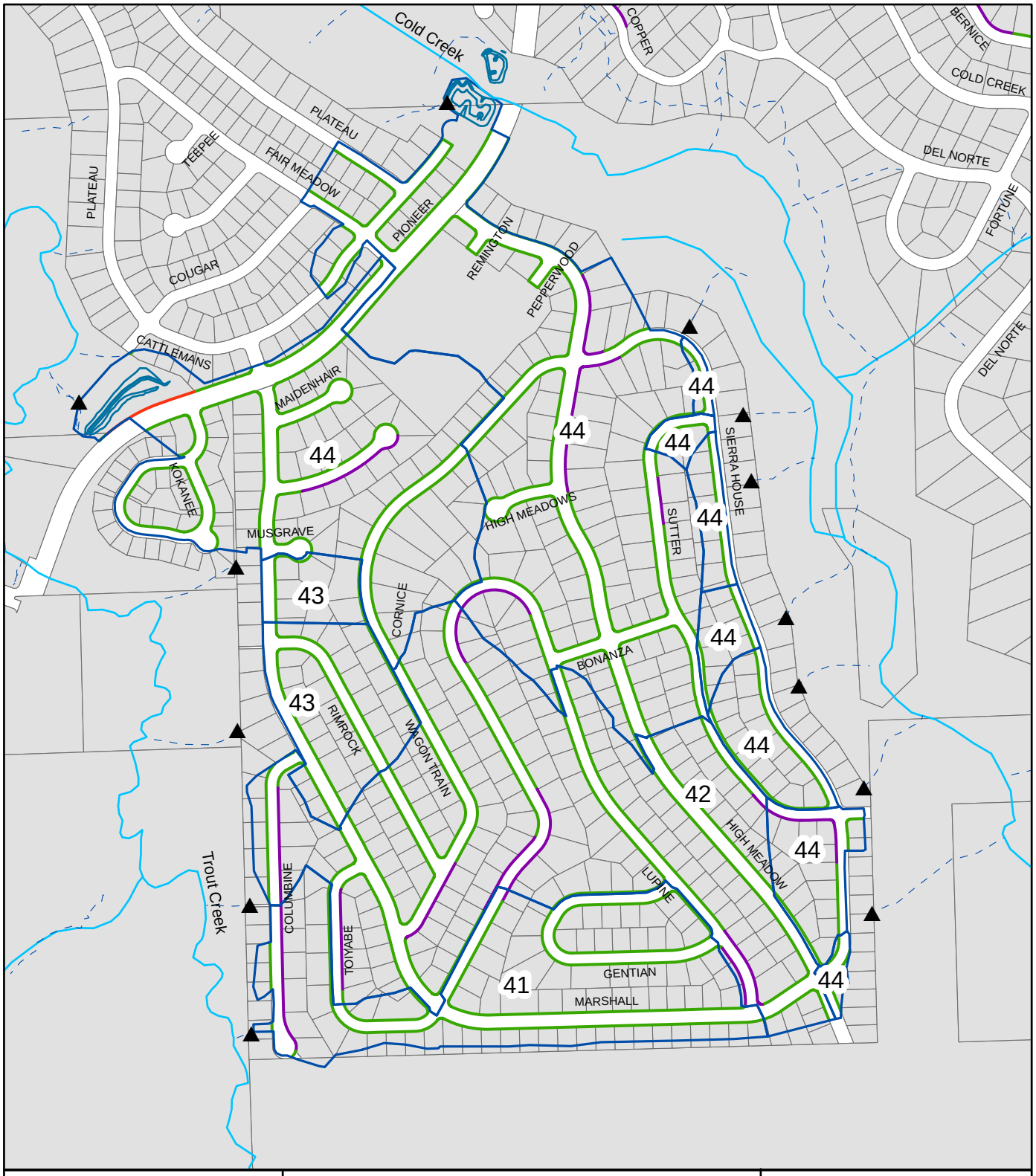
Montgomery - Area 2
UPC 41-44

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

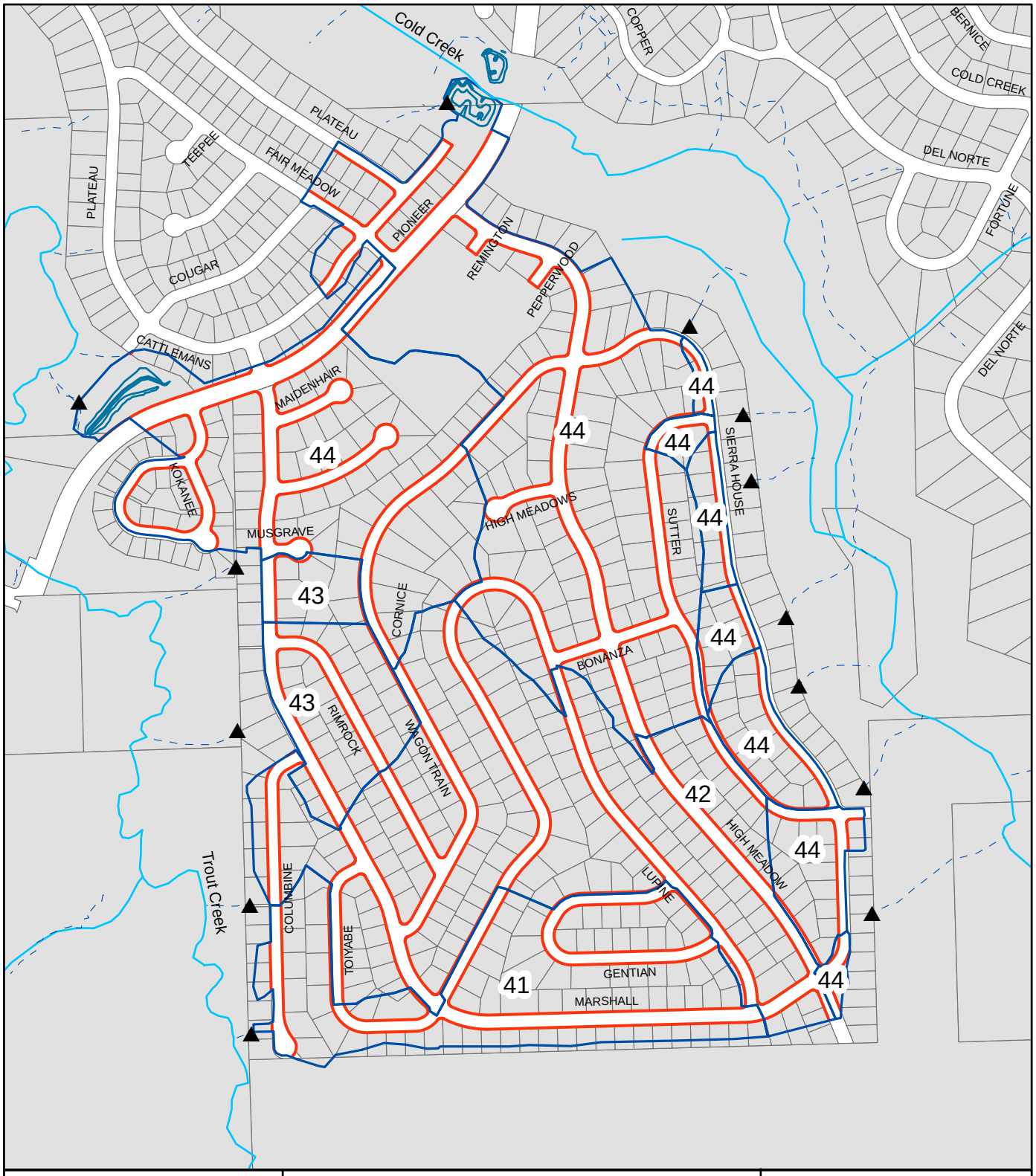
Montgomery - Area 2
UPC 41-44

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

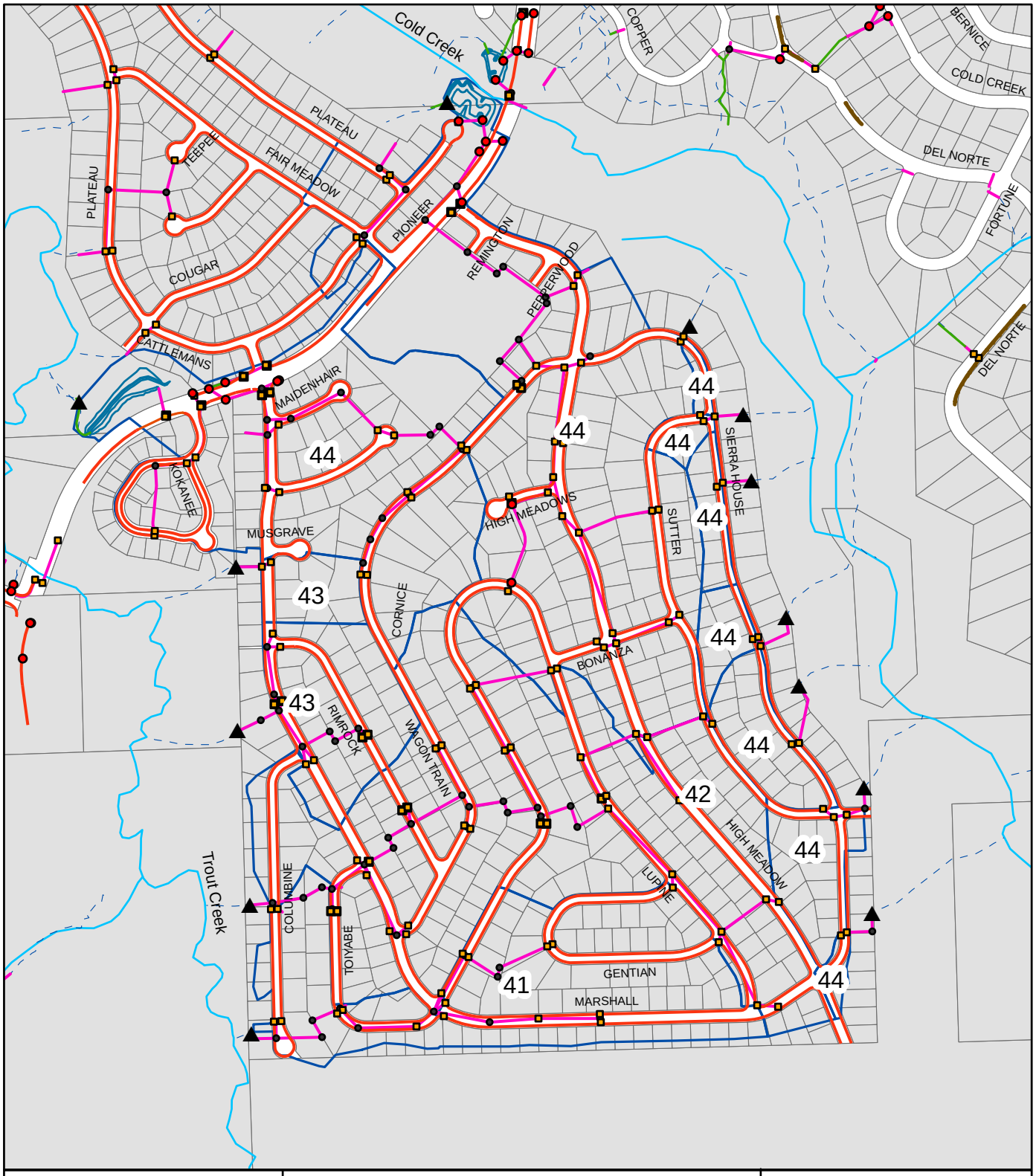
Montgomery - Area 2
UPC 41-44

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600
Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch

NID

TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

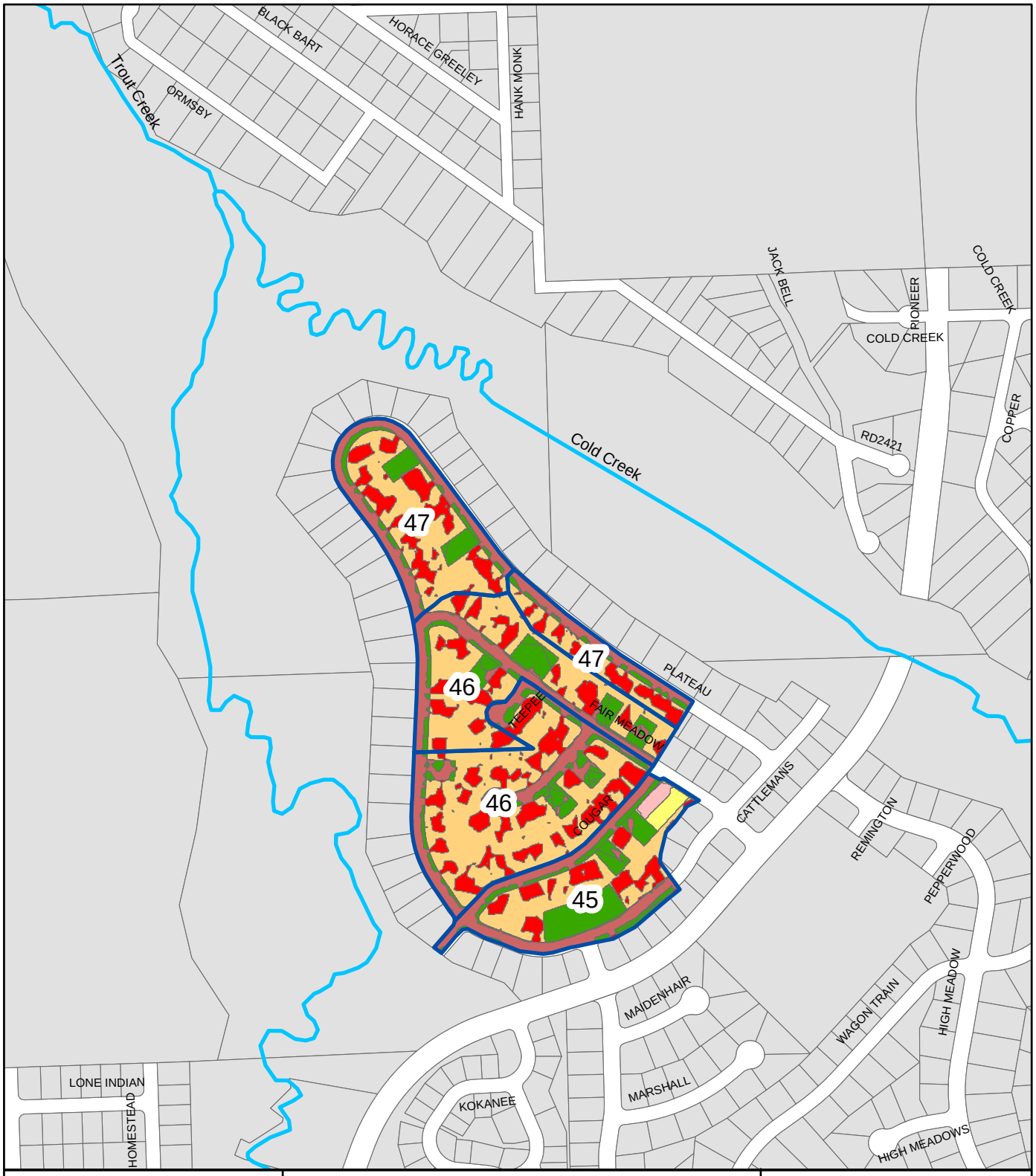
Montgomery - Area 2
UPC 41-44

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 150 300 600 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

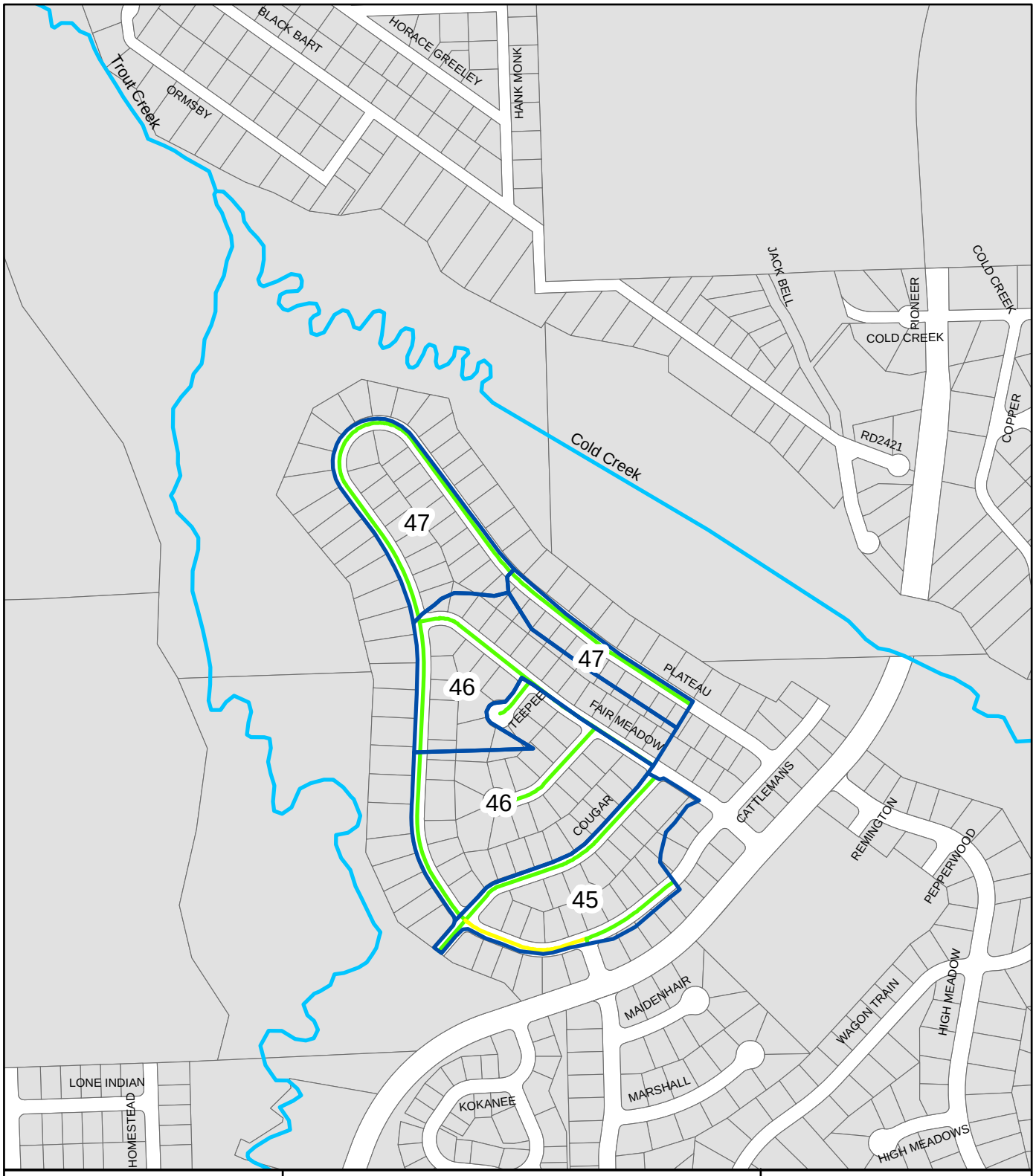
Montgomery - Area 3
UPC 45 - 47

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

Road Risk

- High
- Moderate
- Low

Baseline

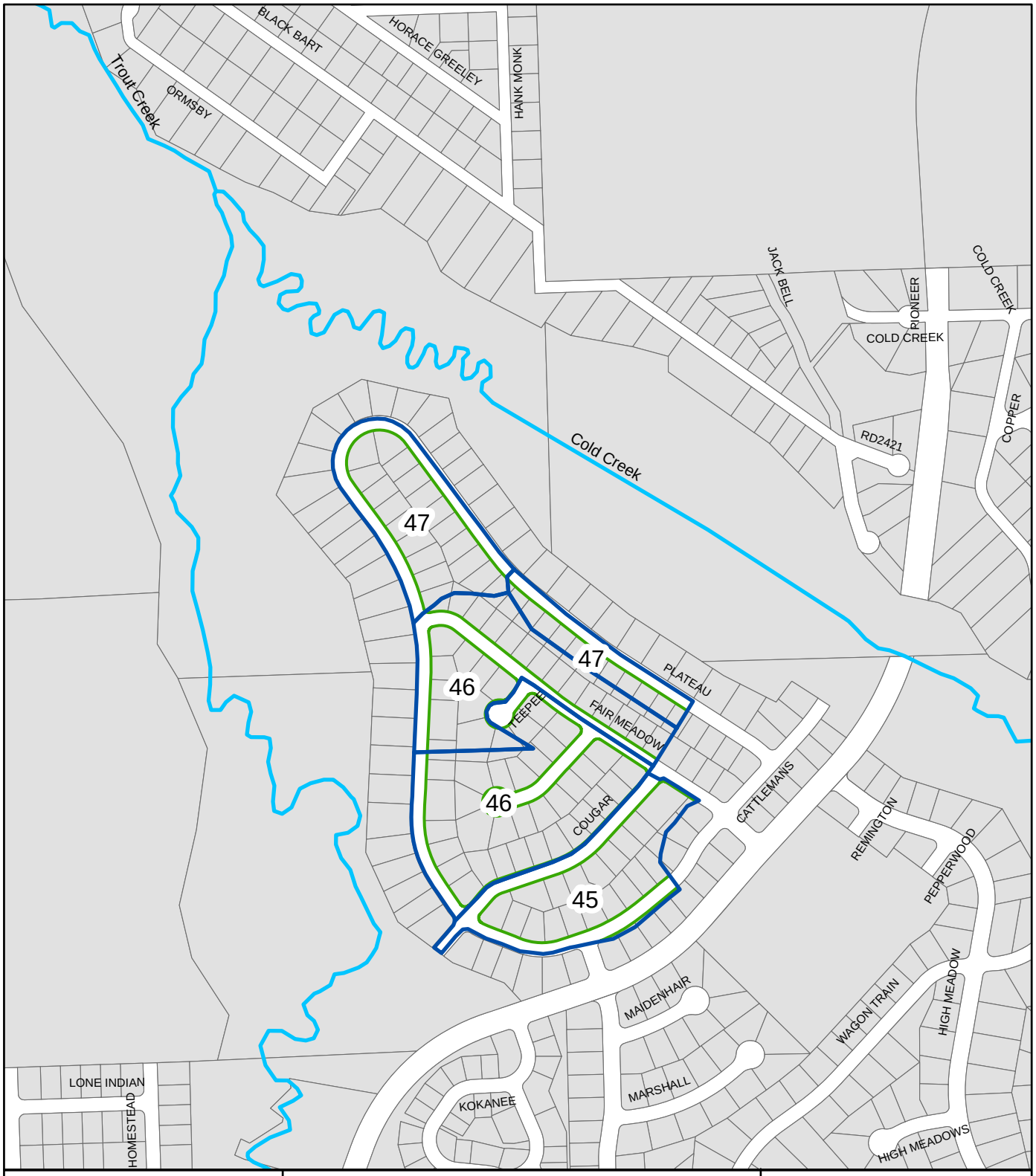
Montgomery - Area 3
UPC 45 - 47

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

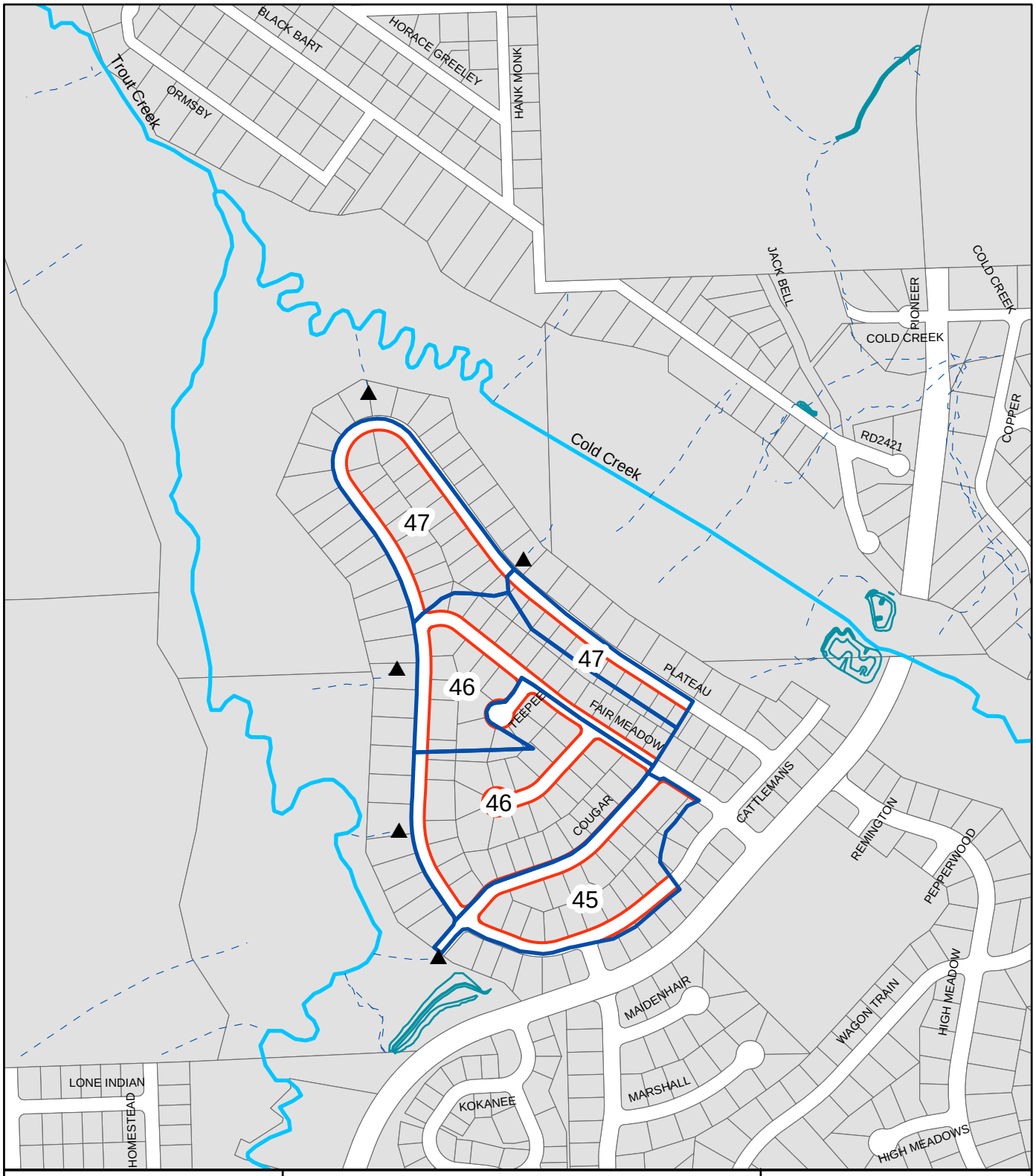
Montgomery - Area 3
UPC 45 - 47

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

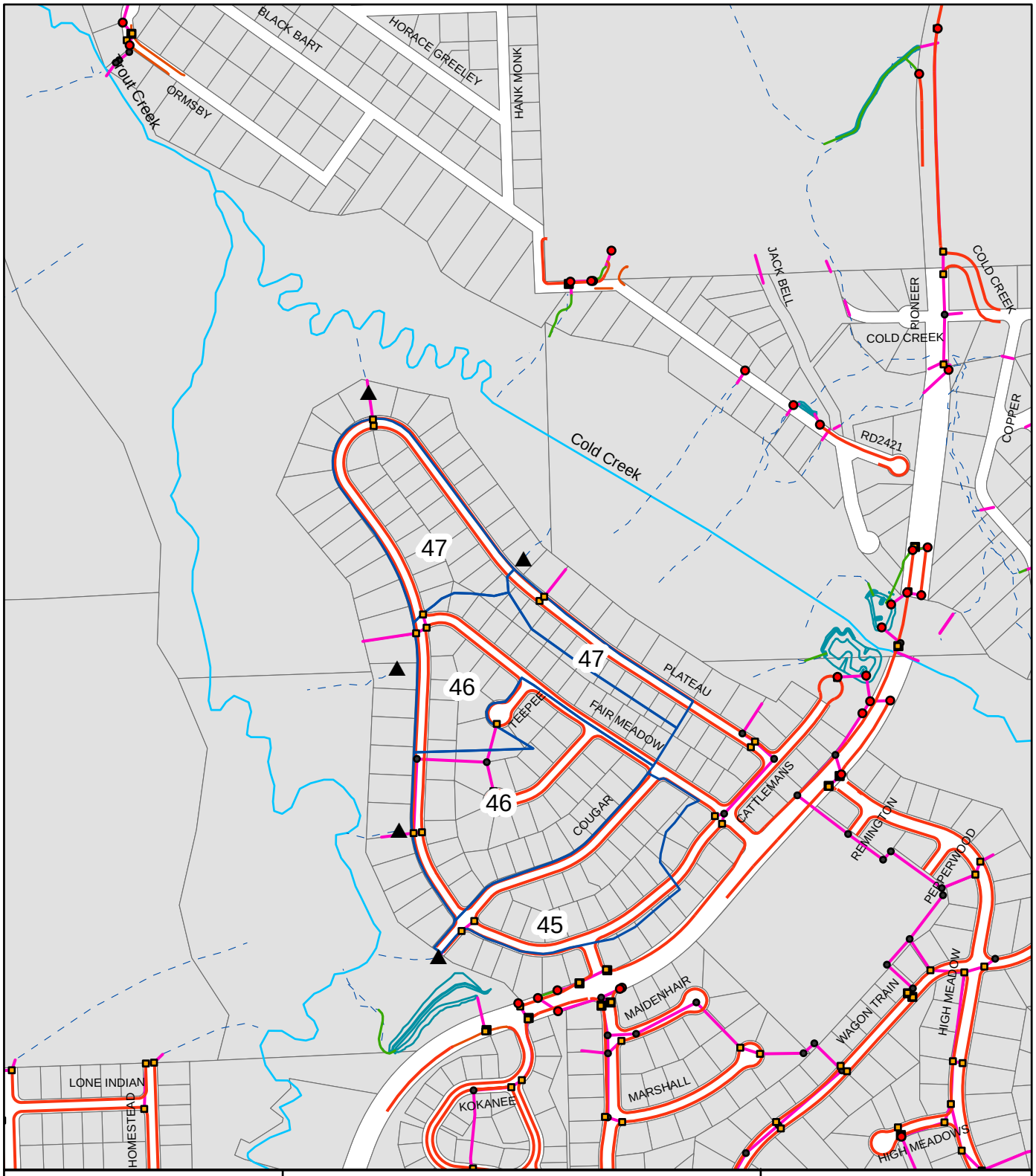
Montgomery - Area 3
UPC 45 - 47

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL **NID**
- EDC_AcDitch **TYPE**
- EDC_Channels — DI
- EDC_Curb — SD
- EDC_Dike — ST
- EDC_Walls — VAULT
- PID — NID_TDI
- EDC_Basins

Baseline

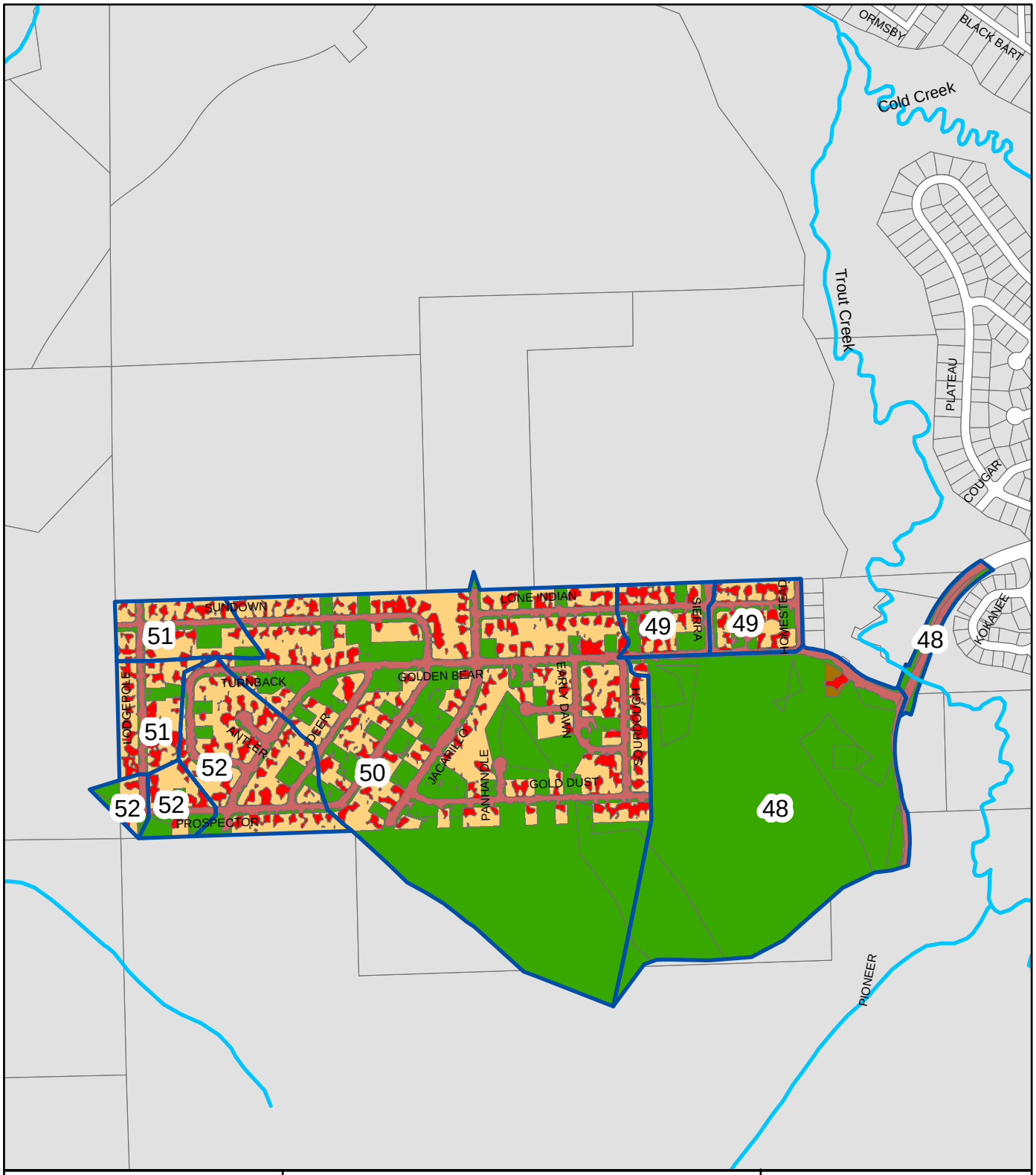
Montgomery - Area 3
UPC 45 - 47

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

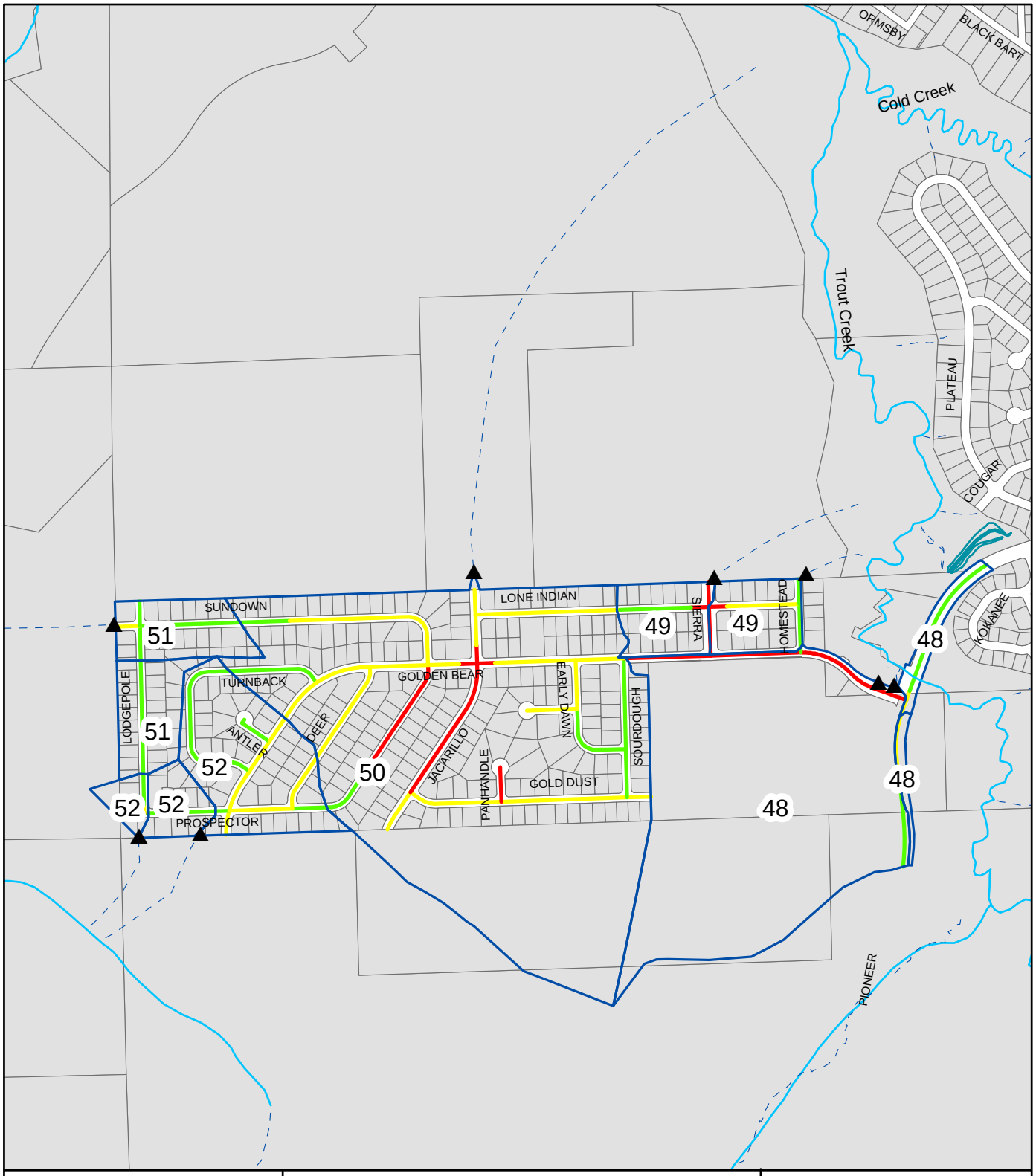
Golden Bear Area
UPC 48 - 52

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- High
- Moderate
- Low

Baseline

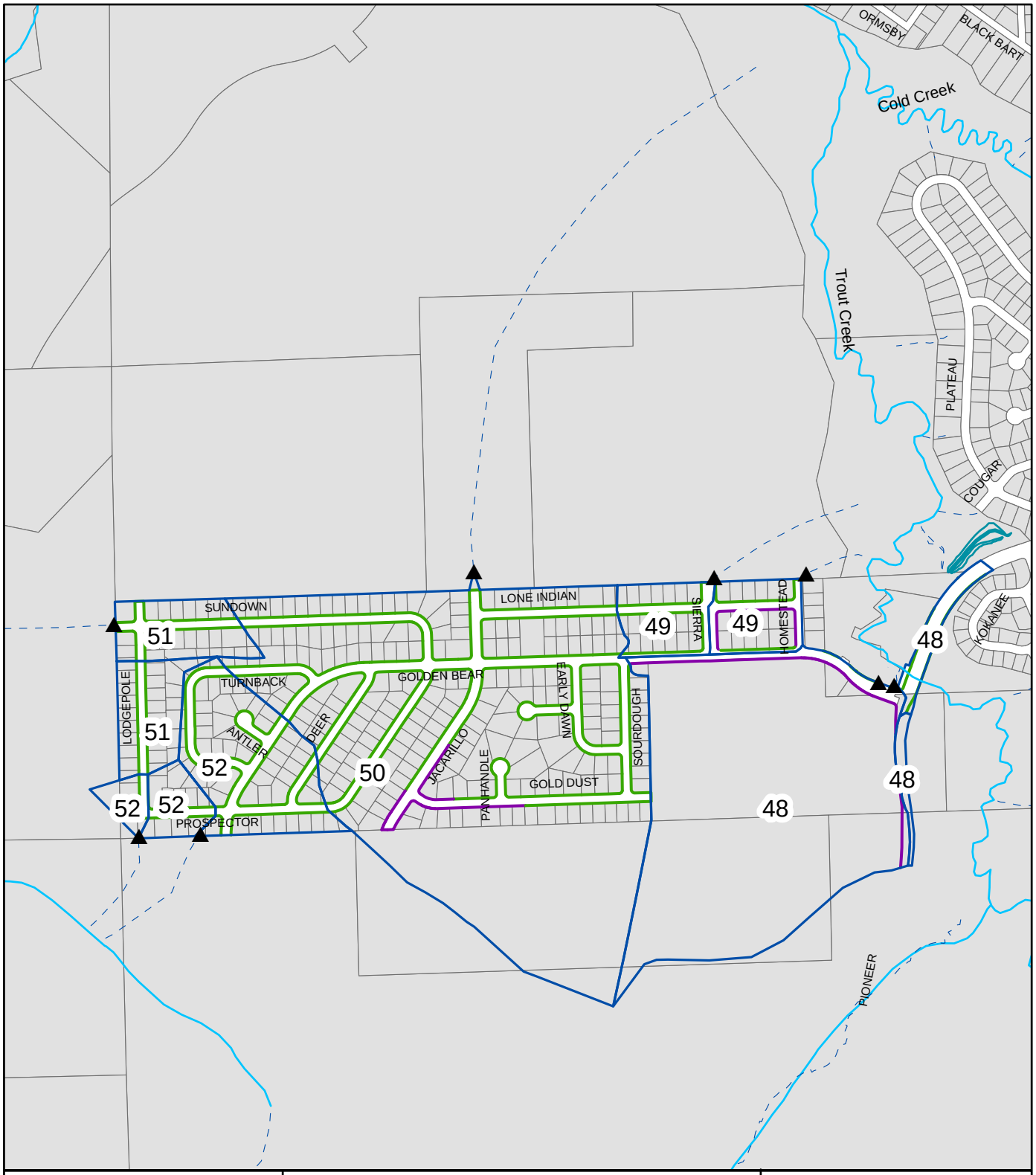
Golden Bear Area
UPC 48 - 52

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Shoulder

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

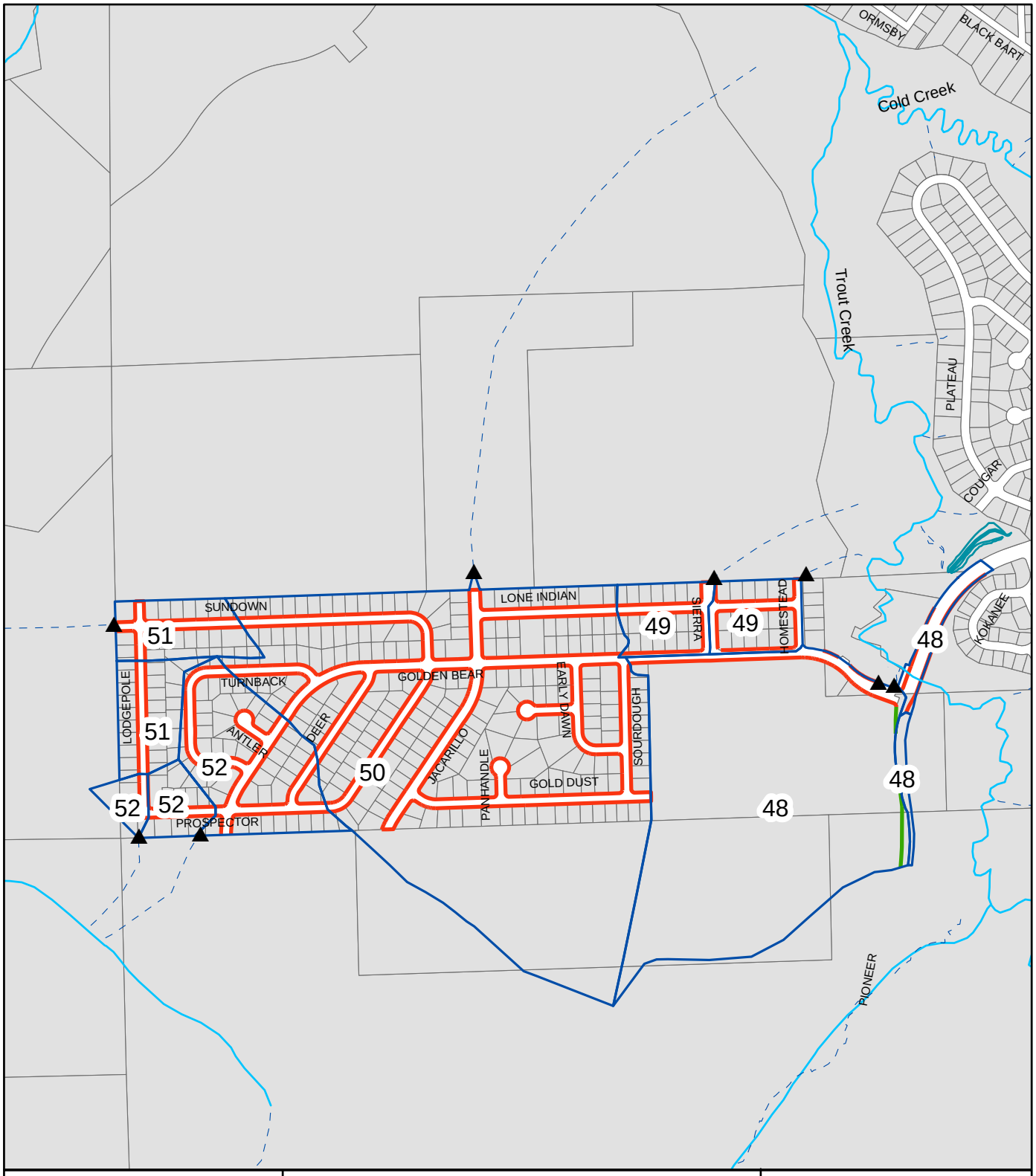
Golden Bear Area
UPC 48 - 52

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Connectivity

- DCIA
- ICIA

Baseline

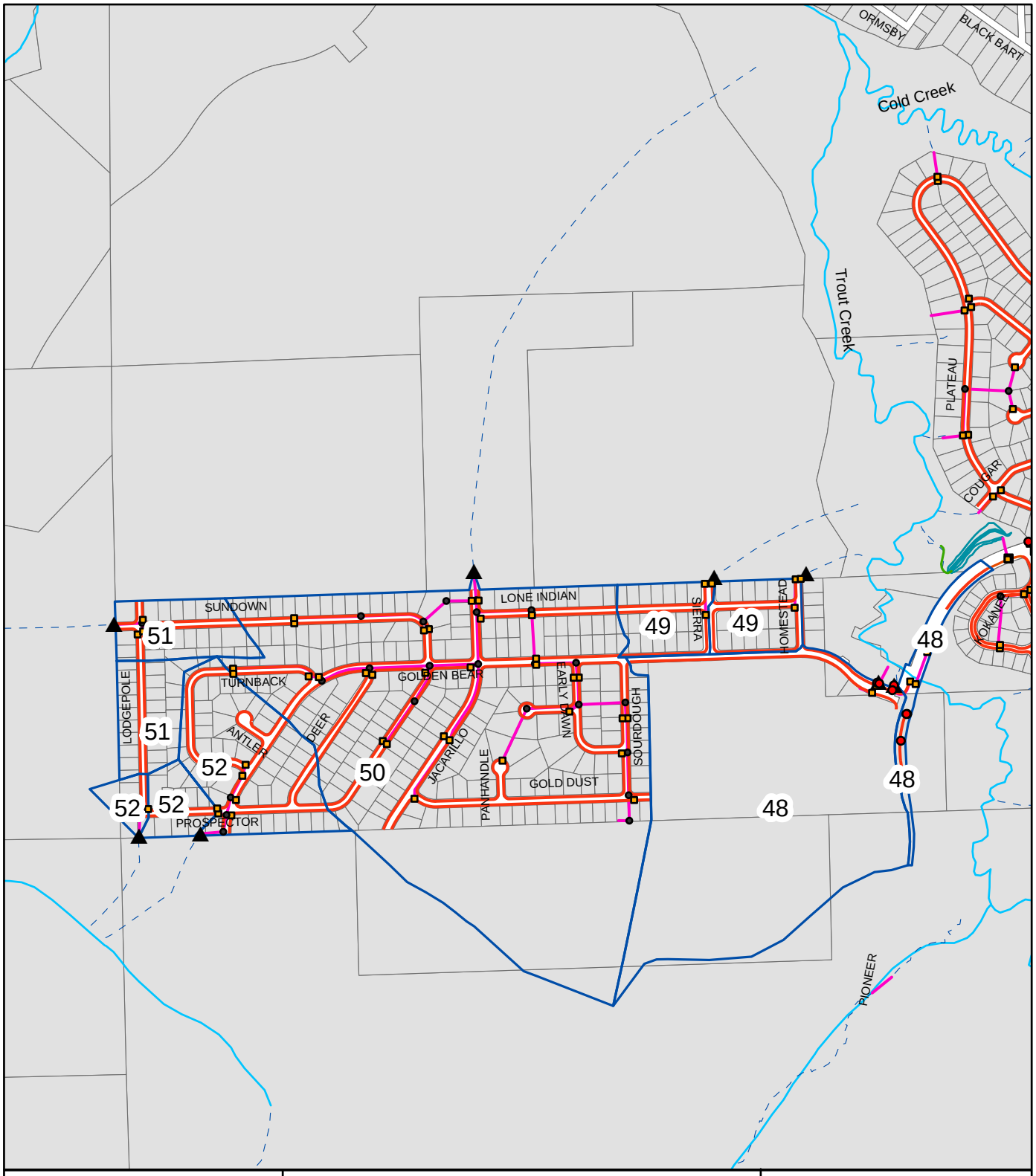
Golden Bear Area
UPC 48 - 52

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL **NID**
- EDC_AcDitch **TYPE**
- EDC_Channels — DI
- EDC_Curb — SD
- EDC_Dike — ST
- EDC_Walls — VAULT
- PID — NID_TDI
- EDC_Basins

Baseline

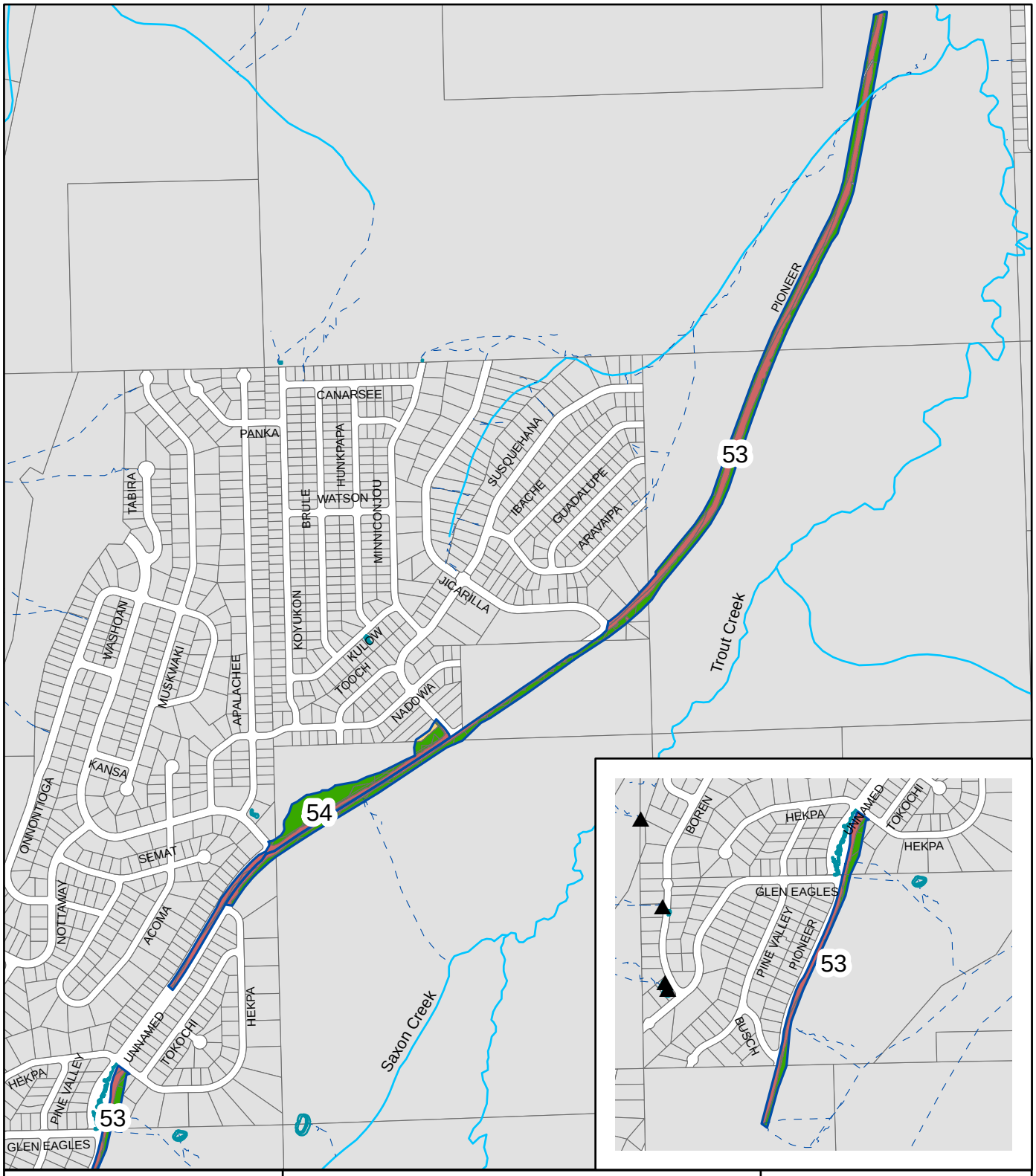
Golden Bear Area
UPC 48 - 52

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

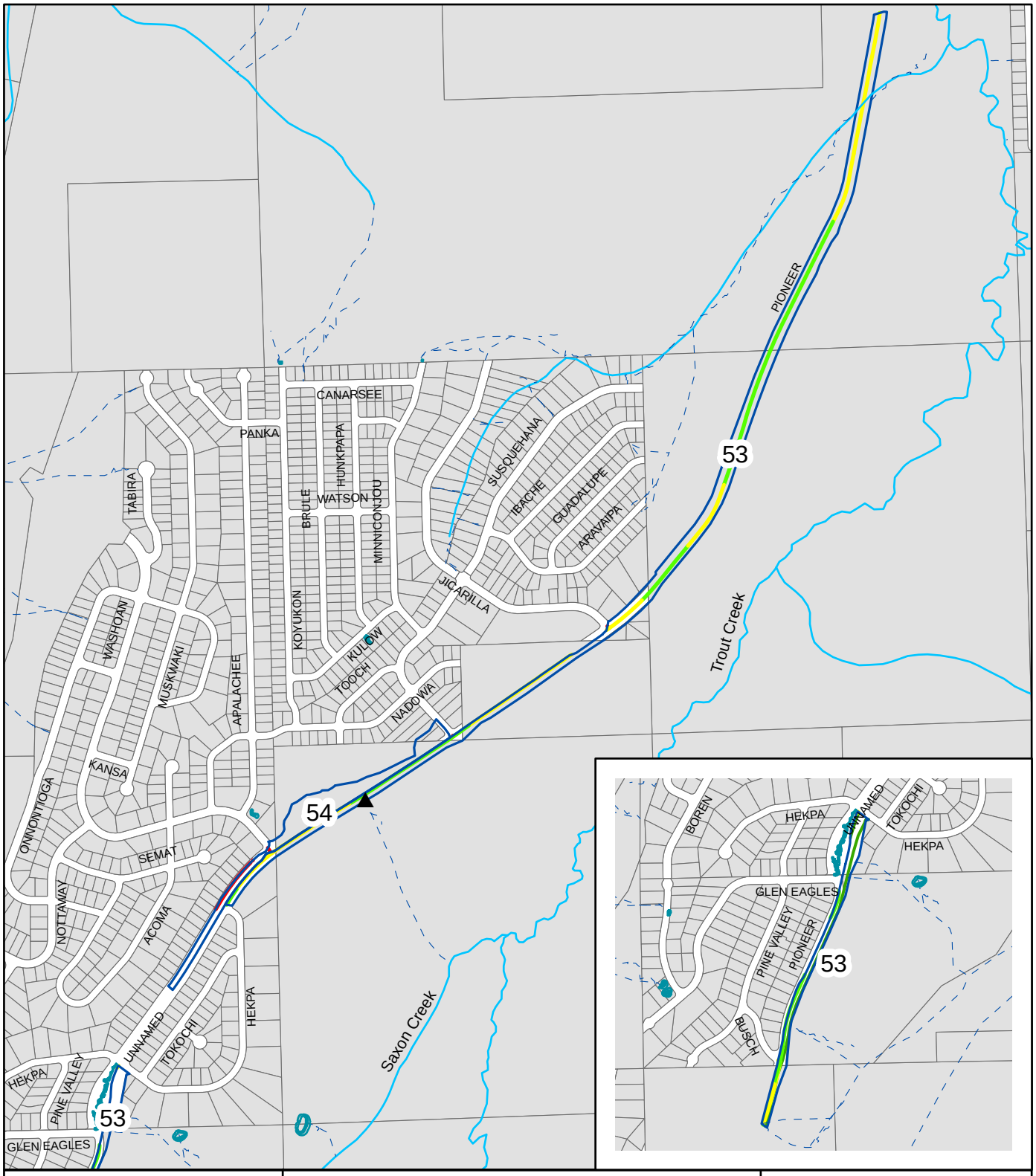
Pioneer Trail
UPC 53 - 54

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 262.5 525 1,050 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

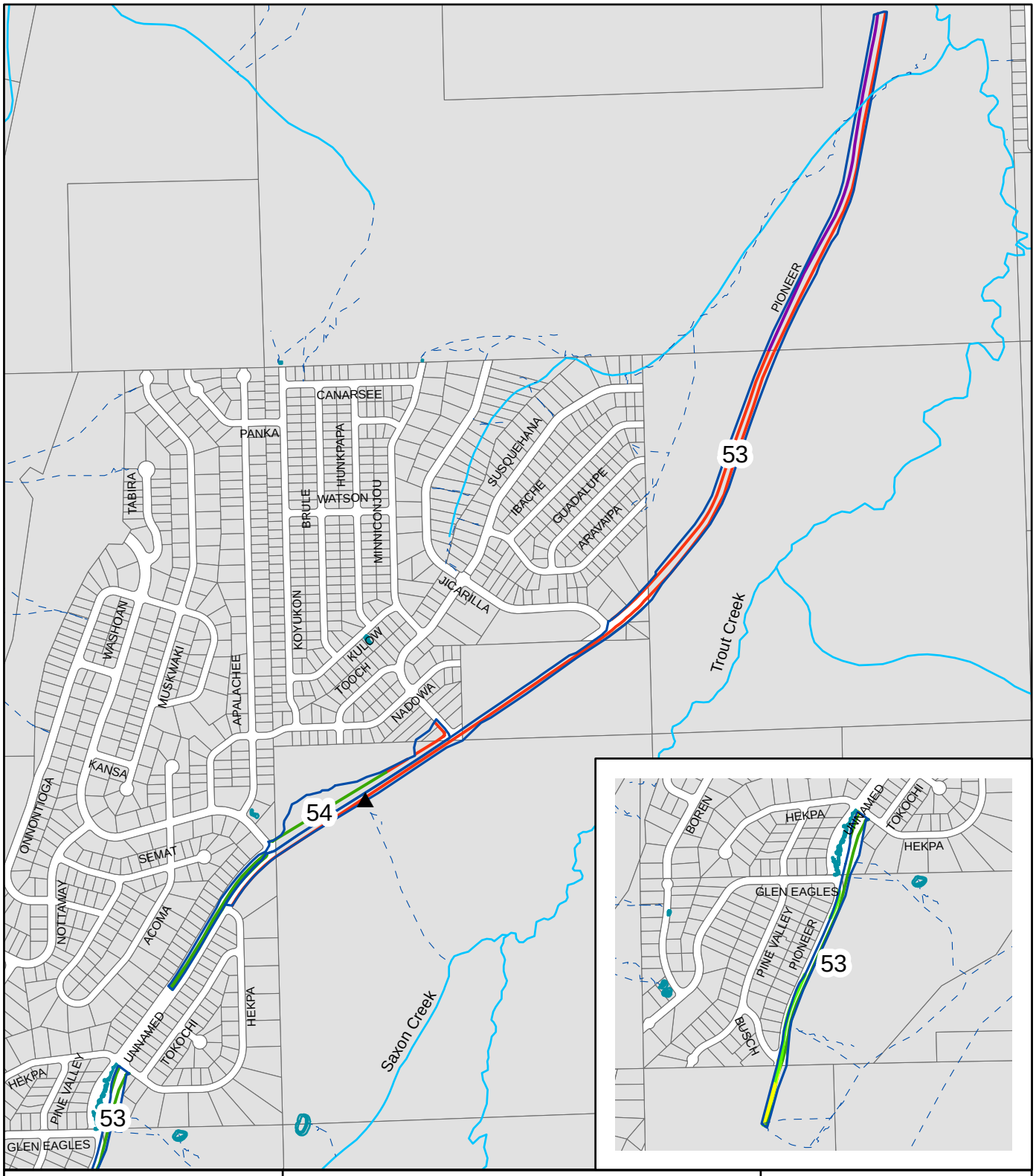
Pioneer Trail
UPC 53 - 54

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

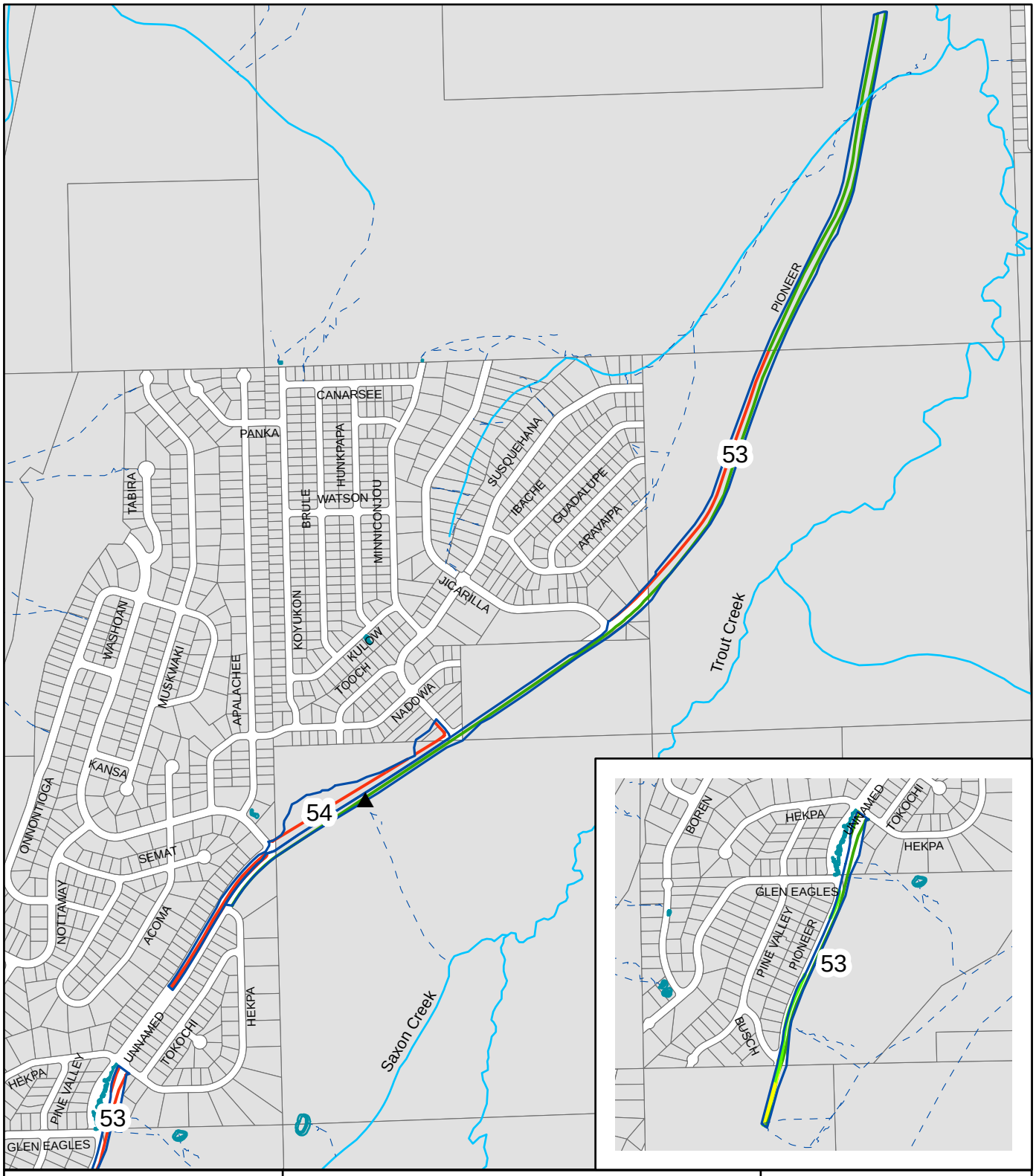
Pioneer Trail
UPC 53 - 54

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

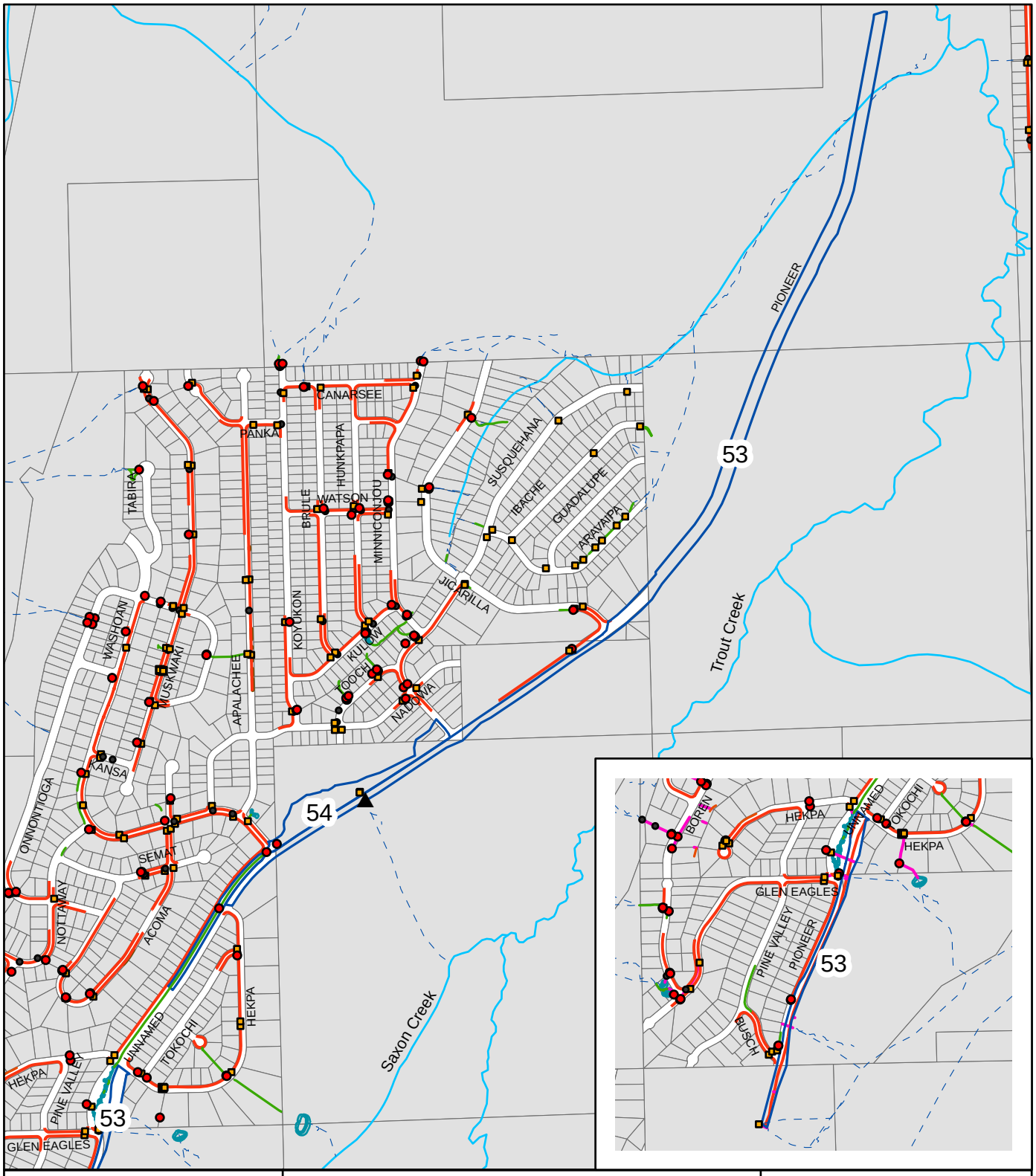
Pioneer Trail
UPC 53 - 54

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

EDC_OUTFALL	**NID**
EDC_Basins	**TYPE**
EDC_Walls	DI
EDC_Dike	SD
EDC_Curb	ST
EDC_Channels	VAULT
EDC_AcDitch	NID_TDI

Baseline

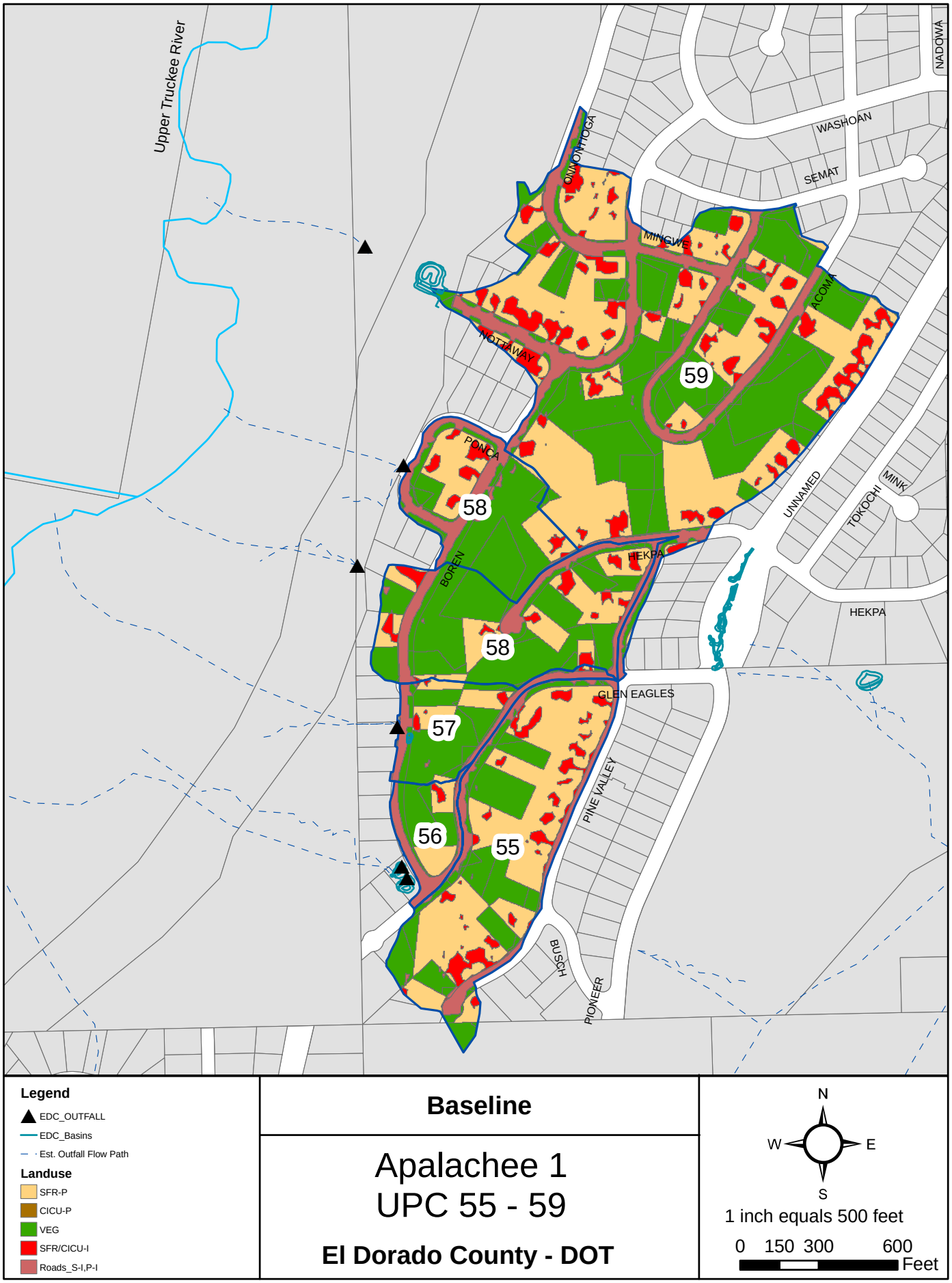
Pioneer Trail
UPC 53 - 54

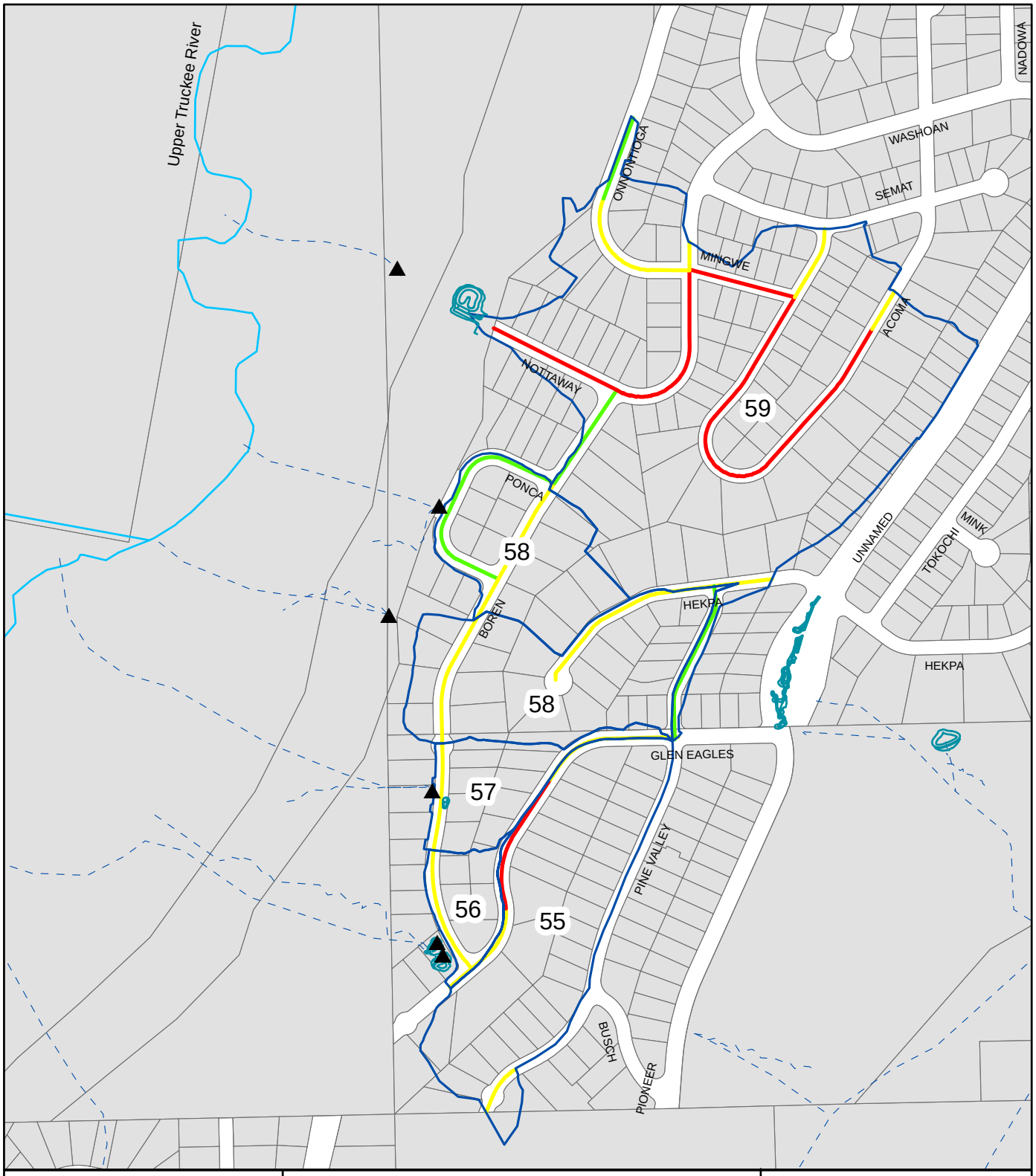
El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet


Upper Truckee River
NADOWA
WASHOAN
SEMAT
ONNONTIOGA
MINGWE
ACOMA
NOTTAWAY
59
PONCA
58
BOREN
HEKPA
UNNAMED
TOKOCHI
MINK
HEKPA
58
GLEN EAGLES
57
PINE VALLEY
56
55
BUSCH
PIONEER
Legend
EDC_OUTFALL
EDC_Basins
Est. Outfall Flow Path
Landuse
SFR-P
CICU-P
VEG
SFR/CICU-I
Roads_S-I,P-I
Baseline
Apalachee 1
UPC 55 - 59
El Dorado County - DOT
N
W
E
S
1 inch equals 500 feet
0 150 300 600
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

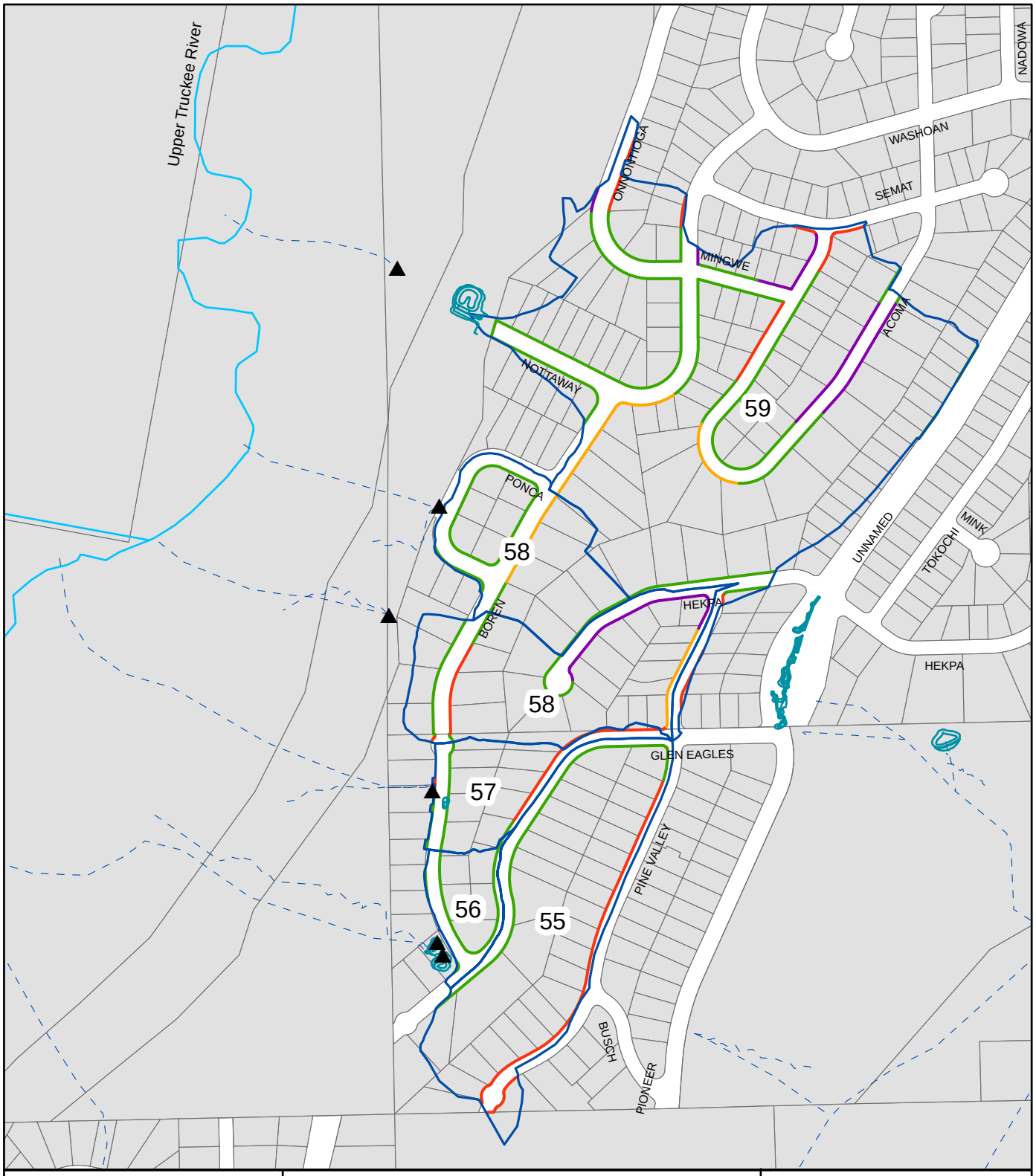
Apalachee 1
UPC 55 - 59

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

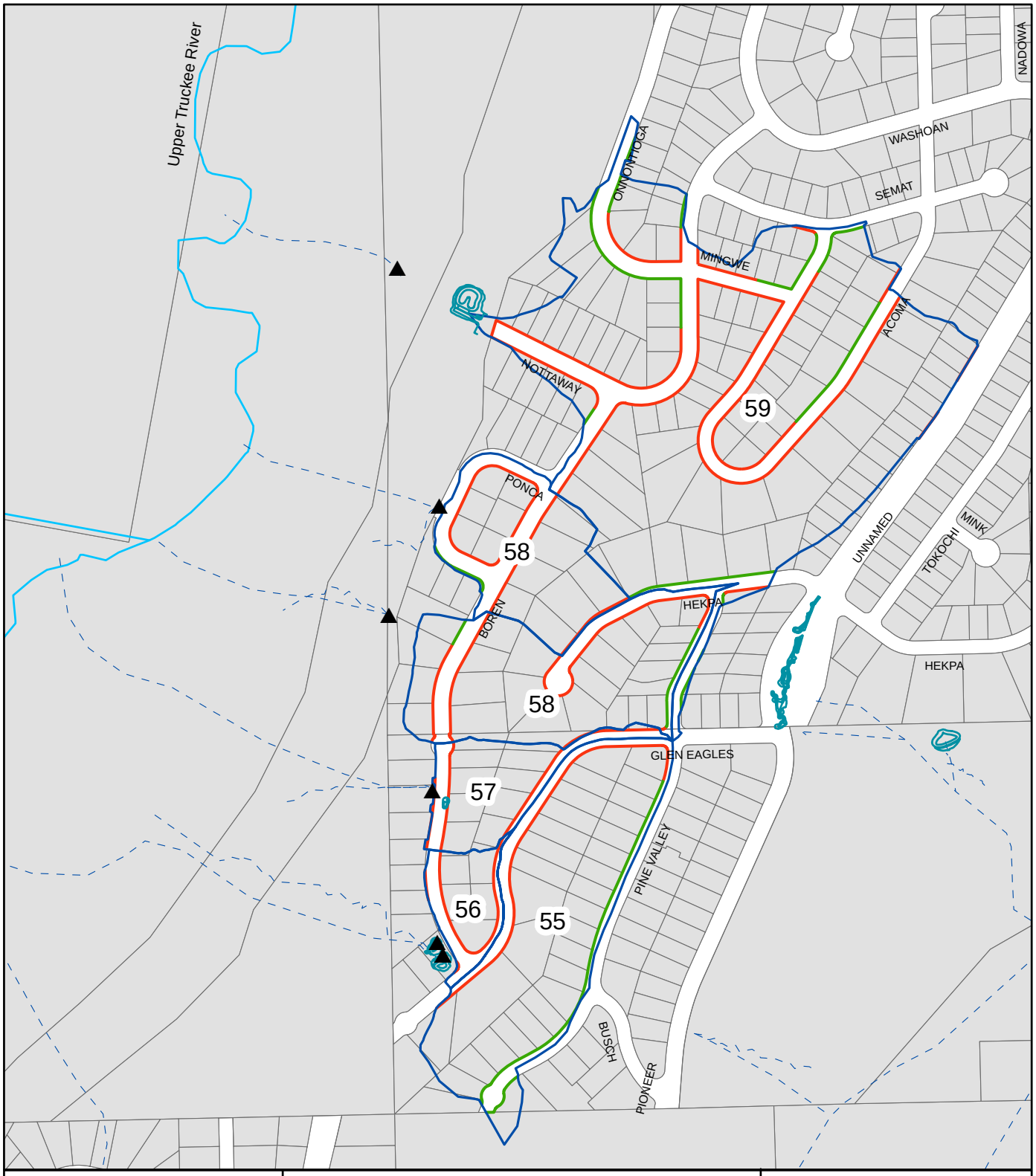
Apalachee 1
UPC 55 - 59

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

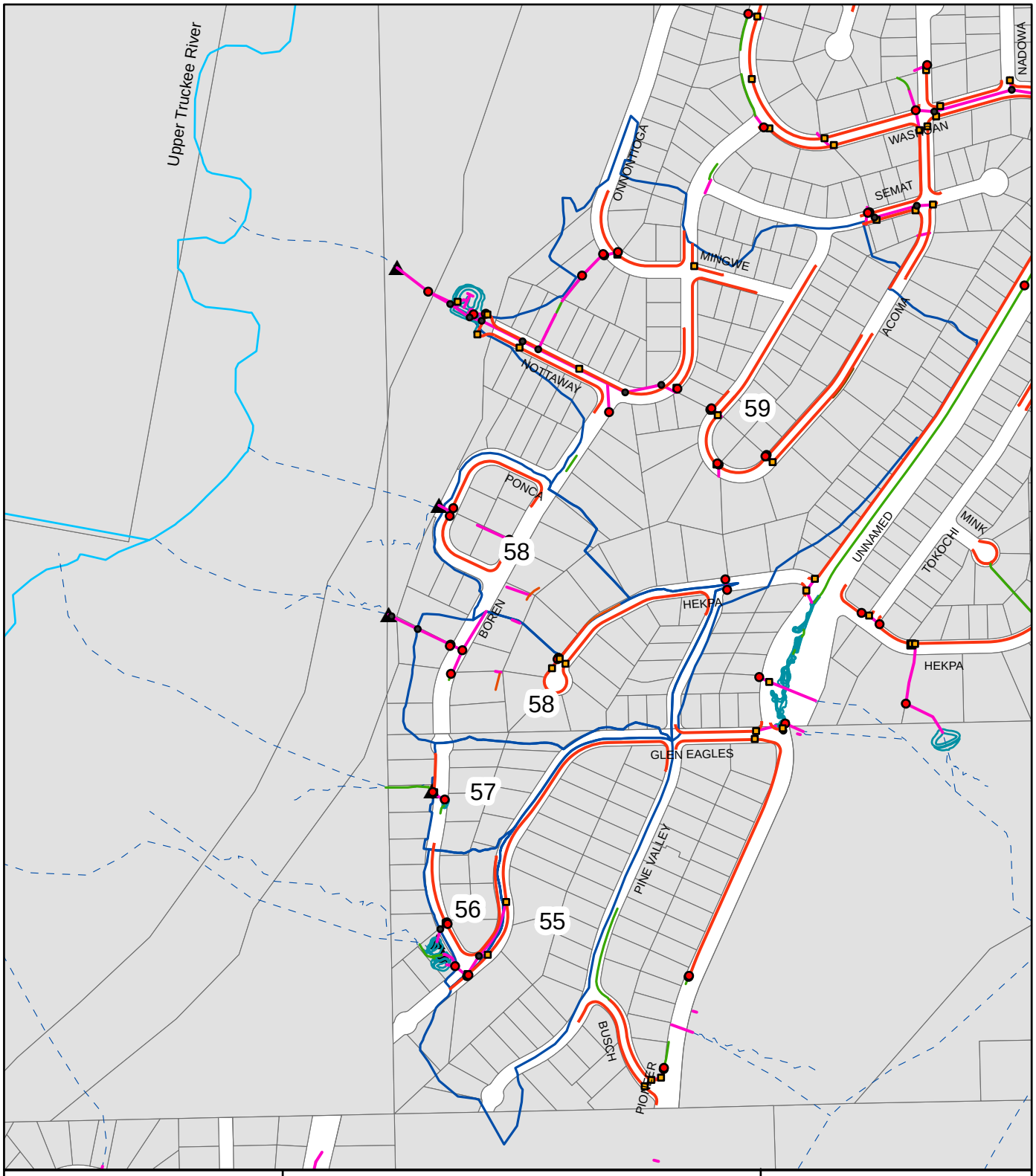
Apalachee 1
UPC 55 - 59

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 150 300 600 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

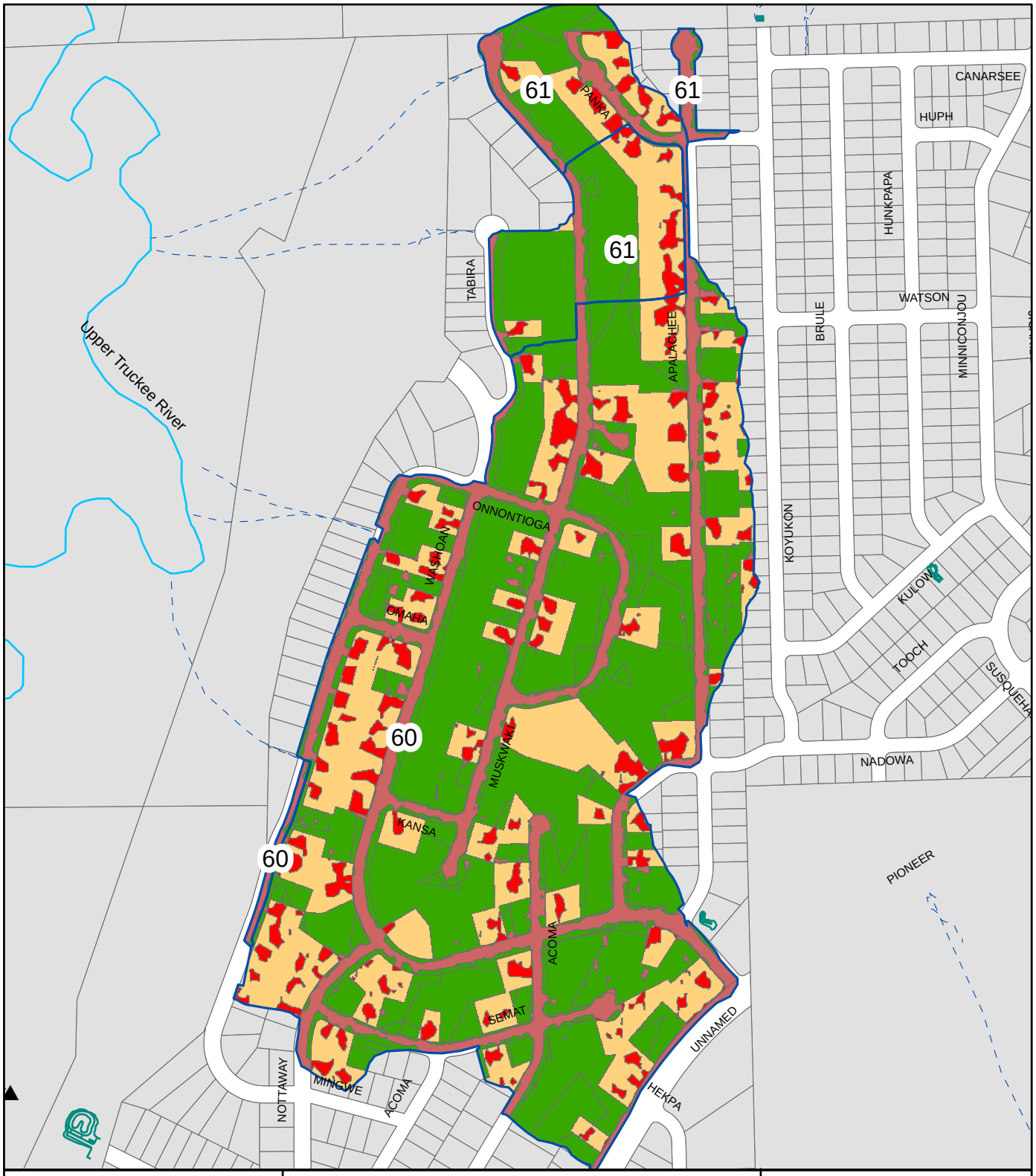
Apalachee 1
UPC 55 - 59

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

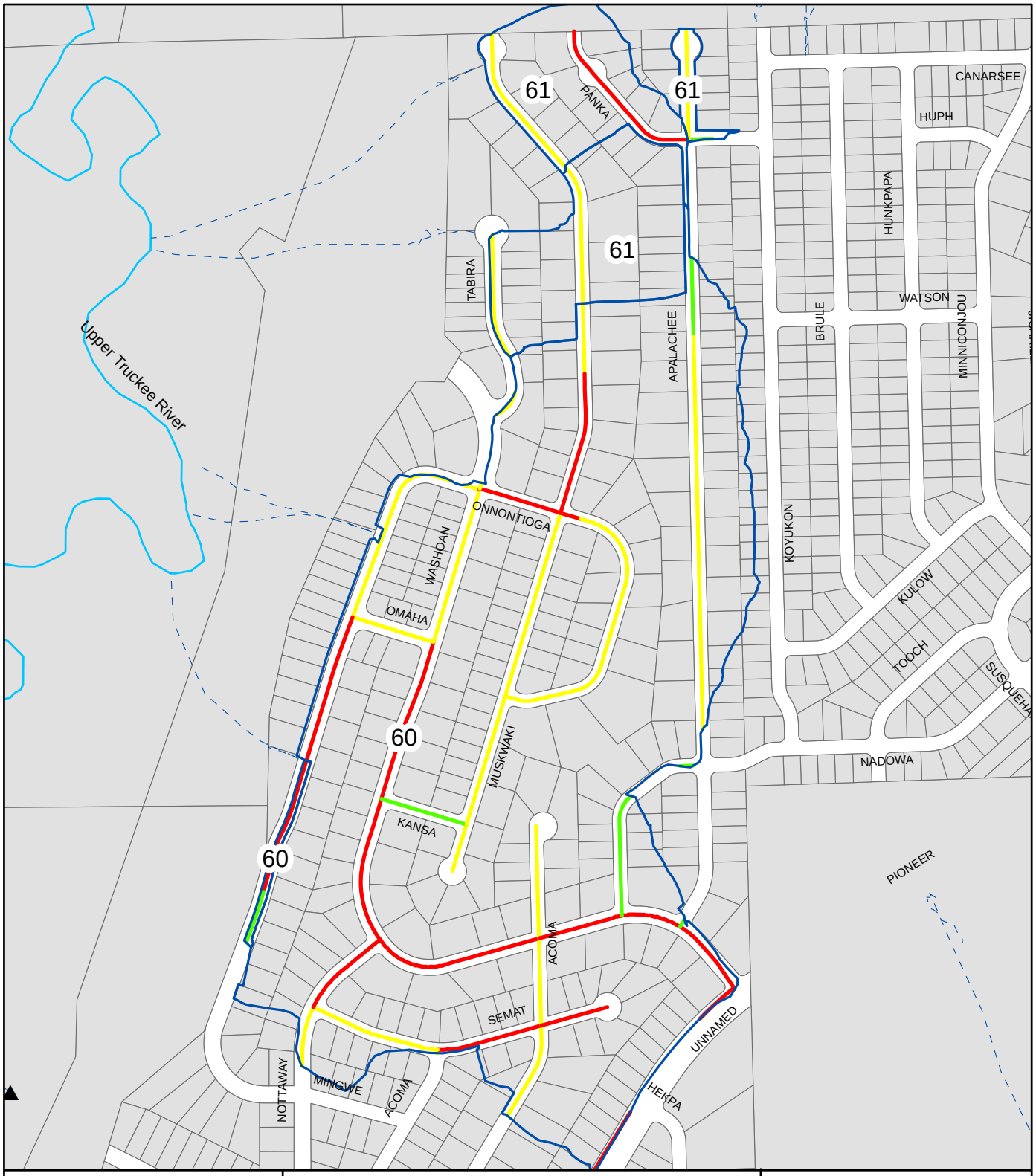
Apalachee 2
UPC 60-61

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

▲ EDC_OUTFALL

- - Est. Outfall Flow Path

Road Risk

High

Moderate

Low

Baseline

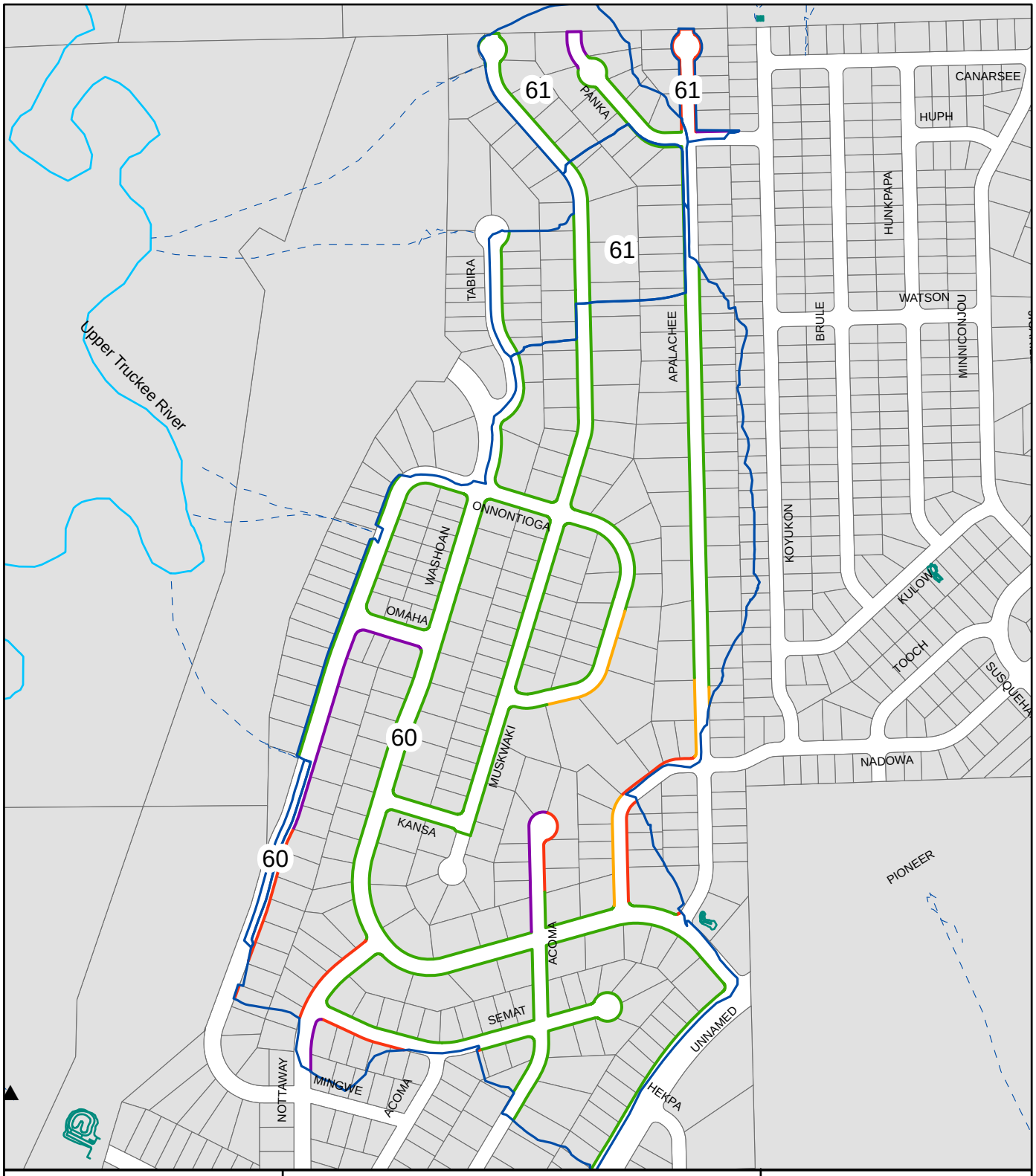
Apalachee 2
UPC 60-61

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

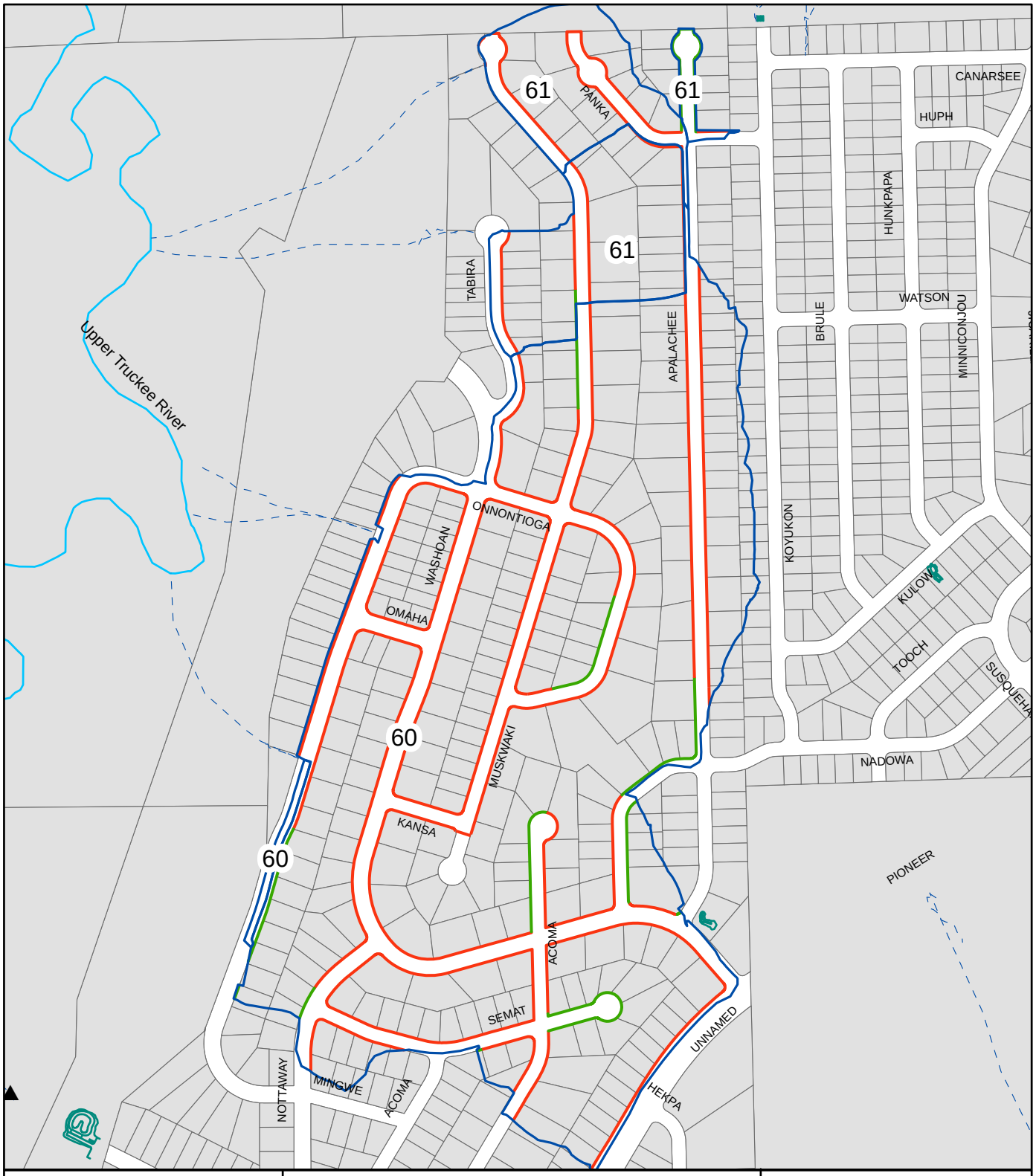
Apalachee 2
UPC 60-61

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

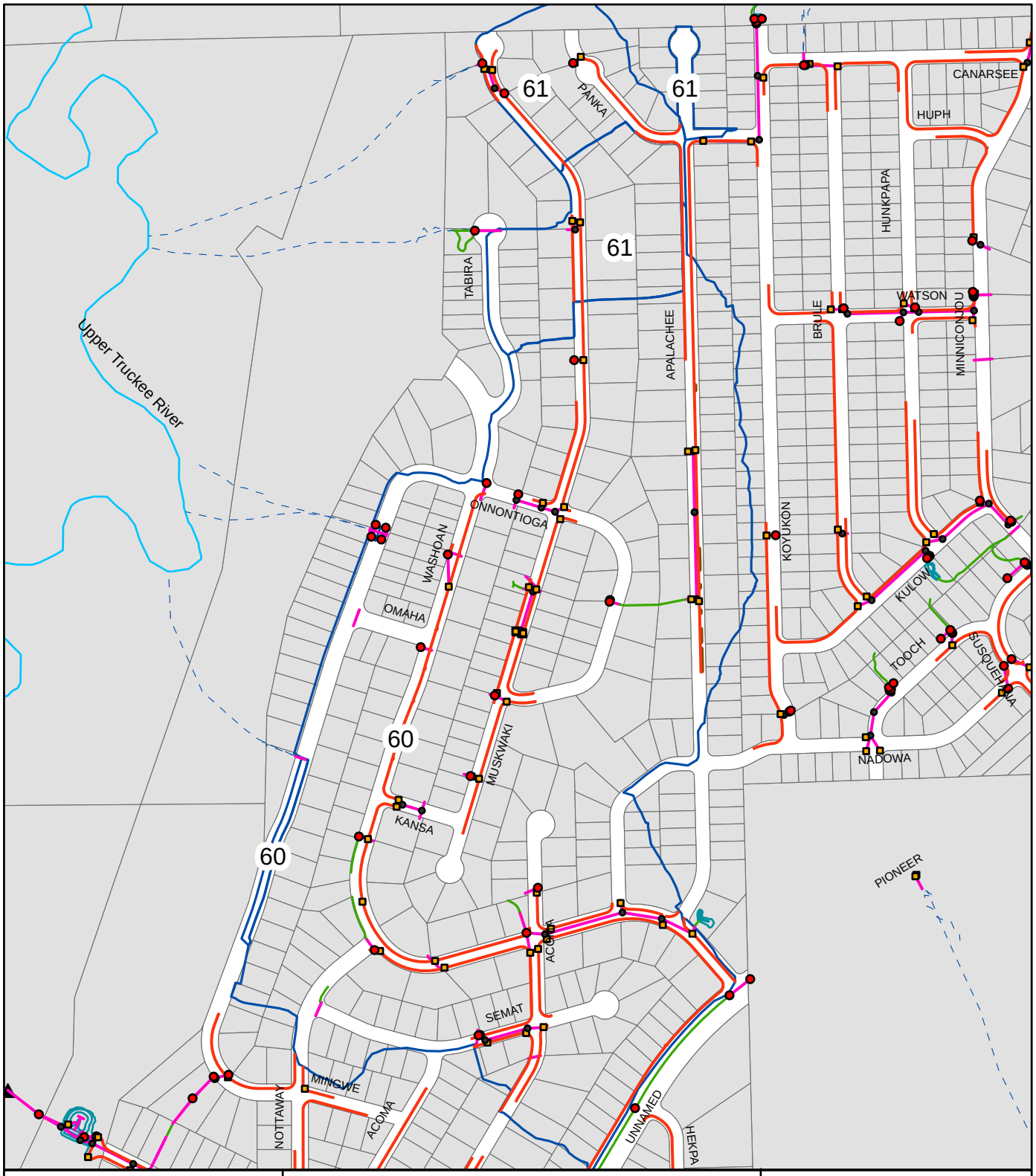
Apalachee 2
UPC 60-61

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

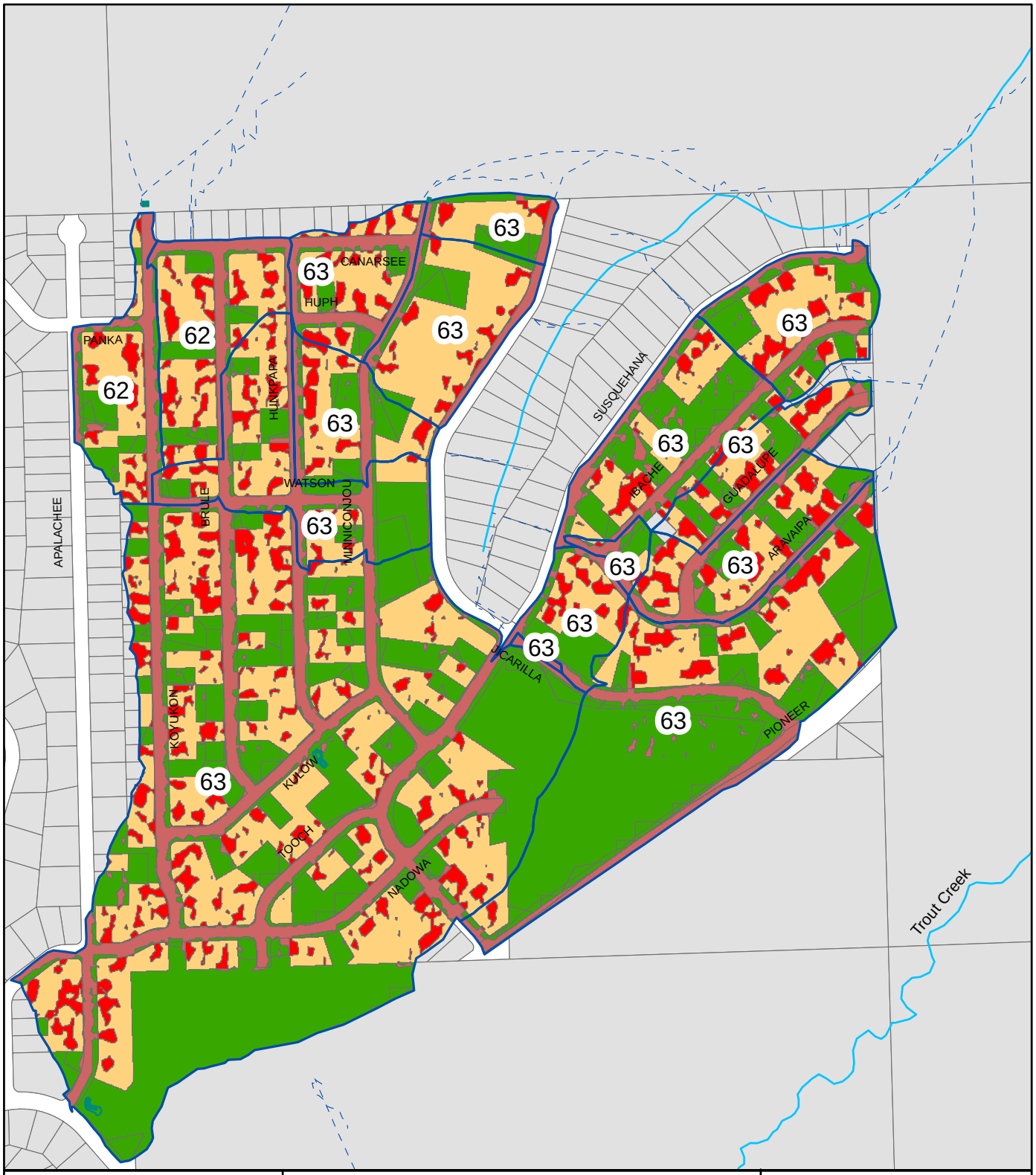
Apalachee 2
UPC 60 - 61

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 130 260 520 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

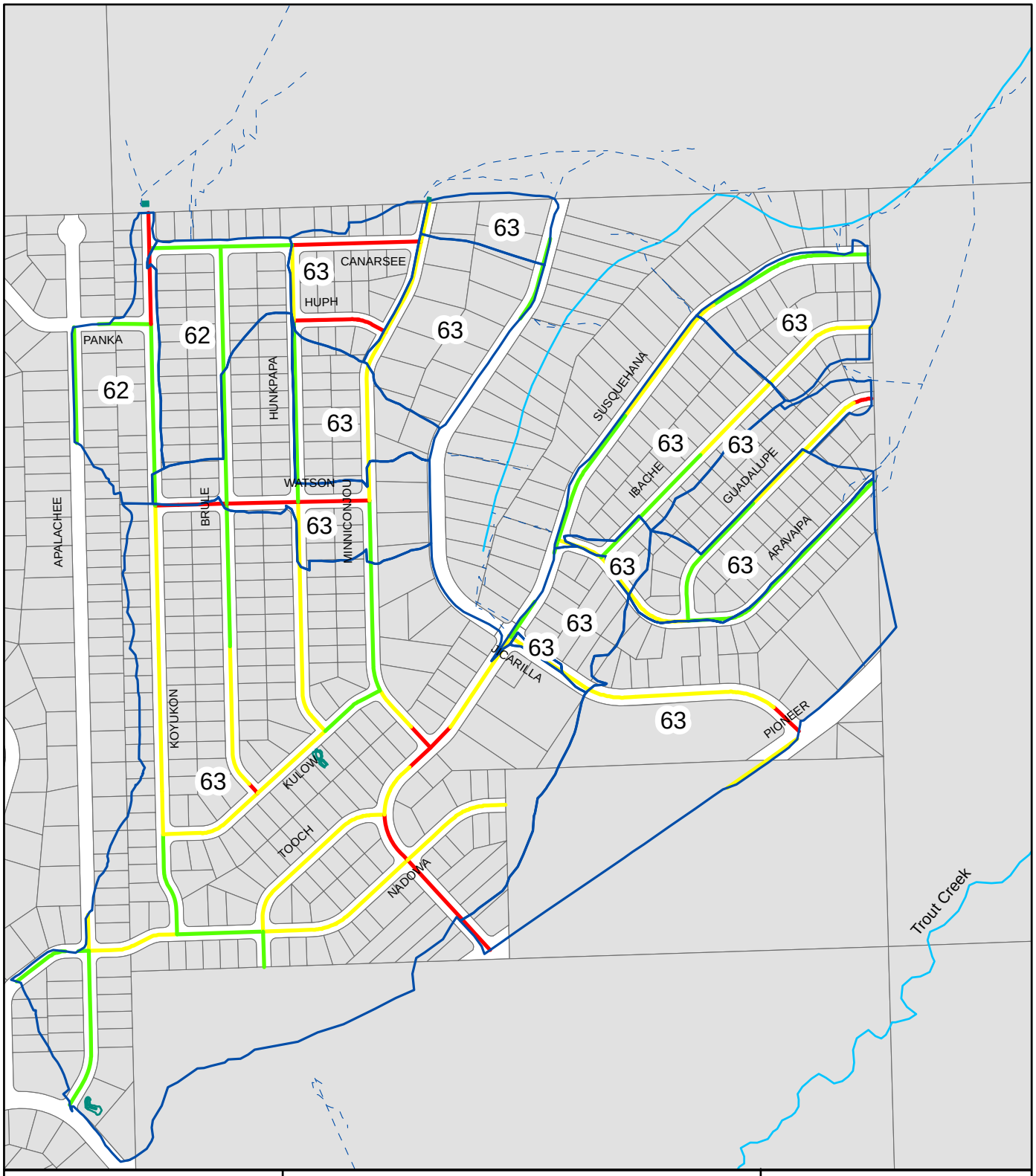
Apalachee 3
UPC 62 - 63

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

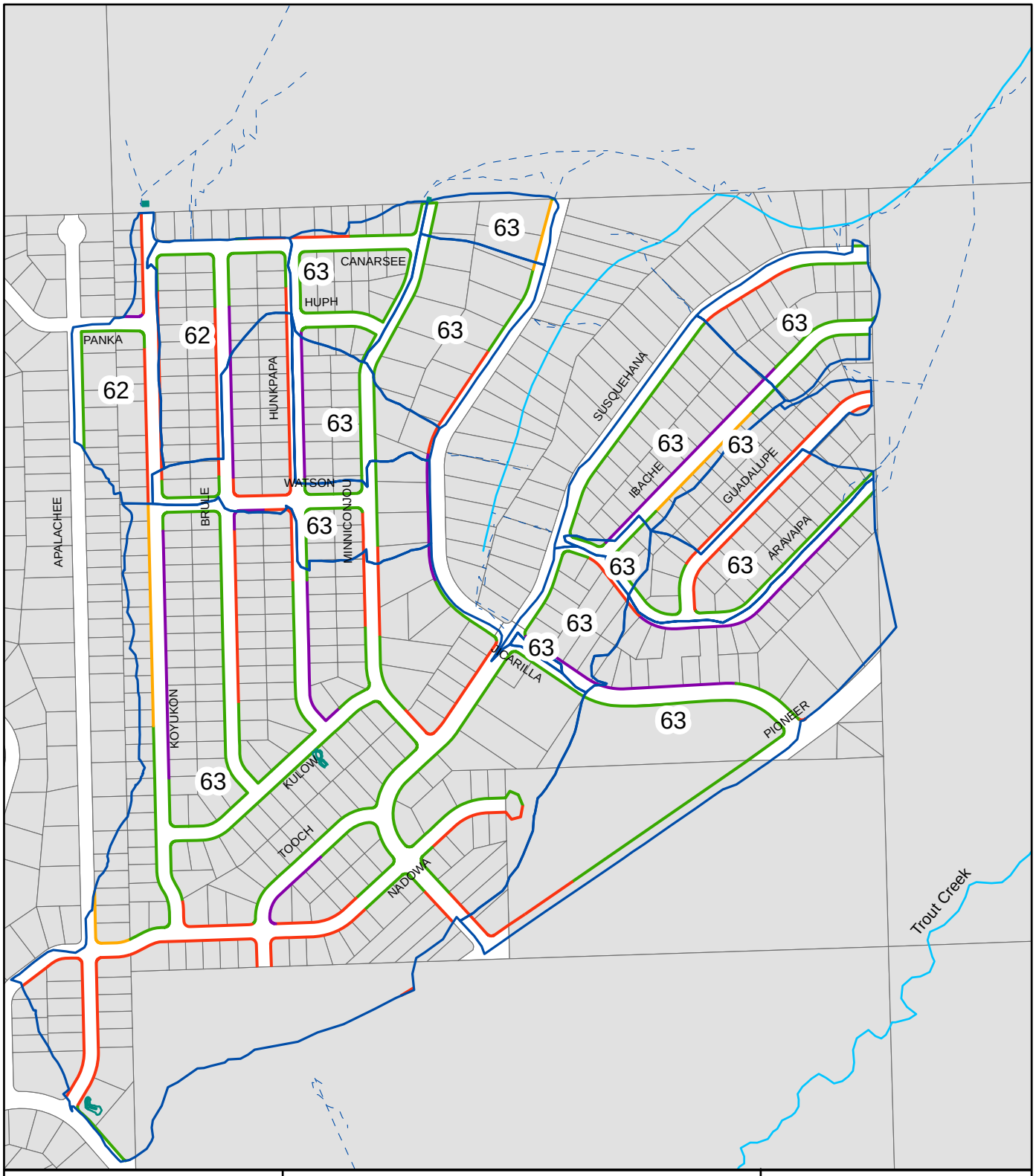
Apalachee 3
UPC 62 - 63

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

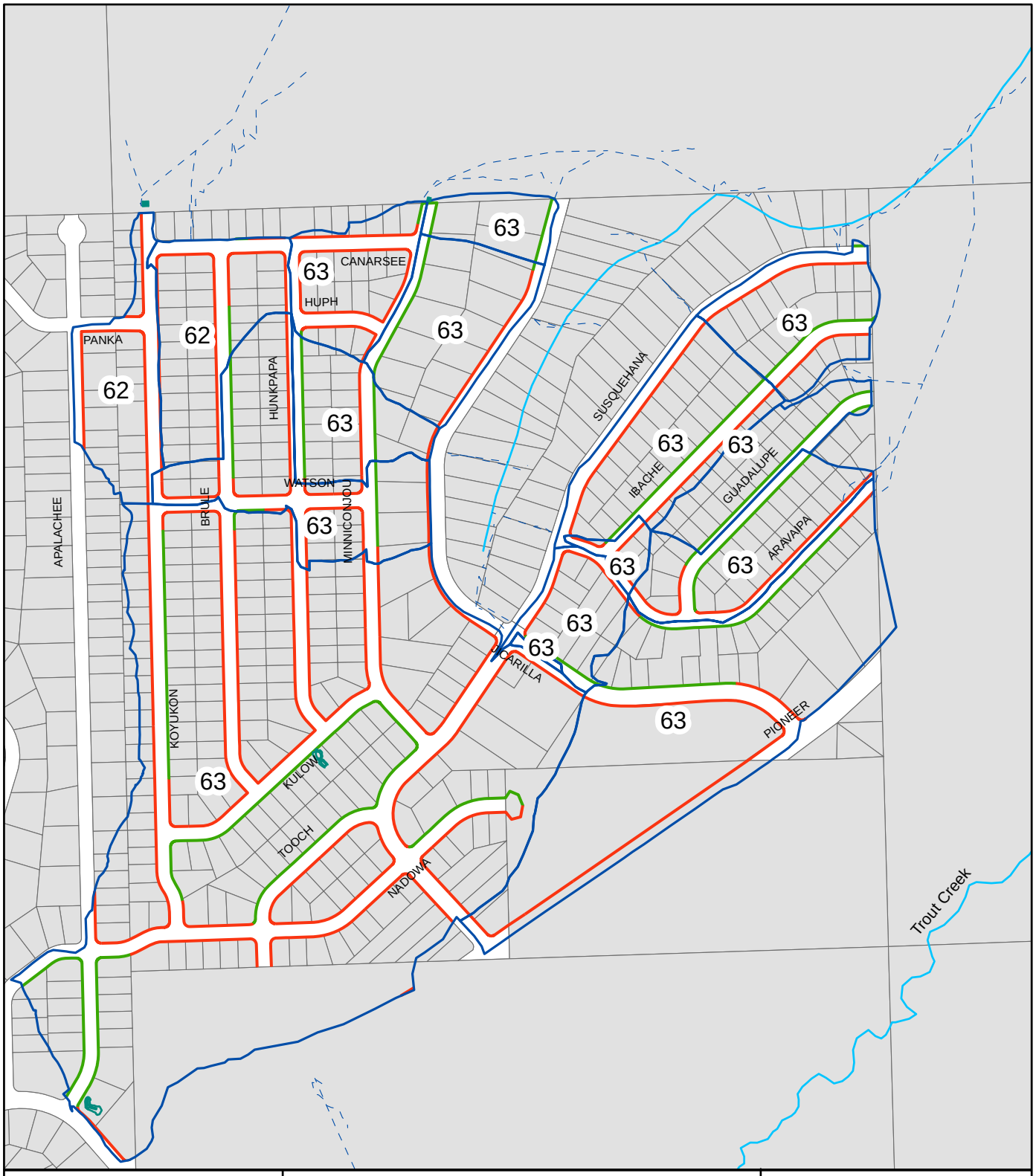
Apalachee 3
UPC 62 - 63

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

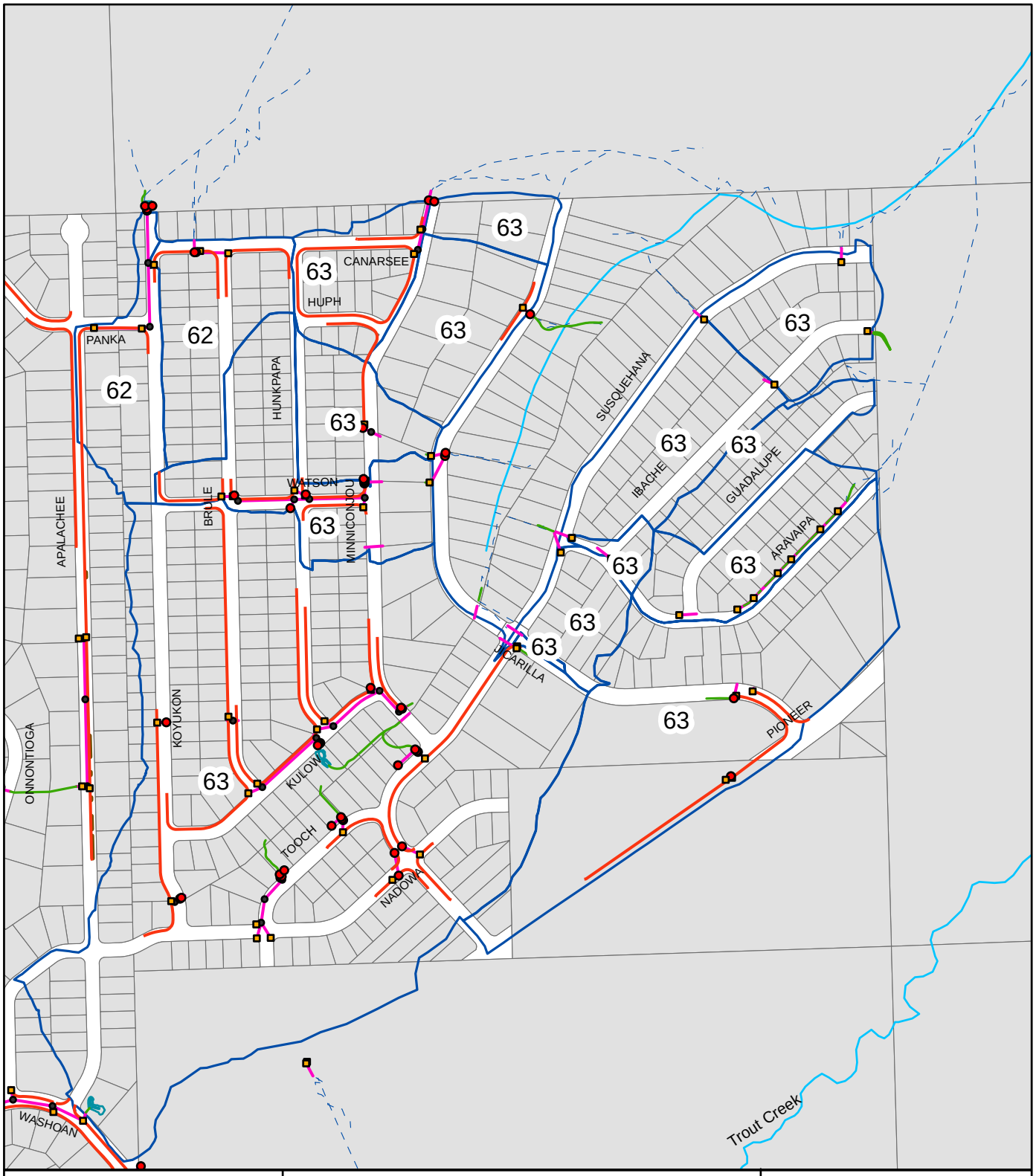
Apalachee 3
UPC 62 - 63

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

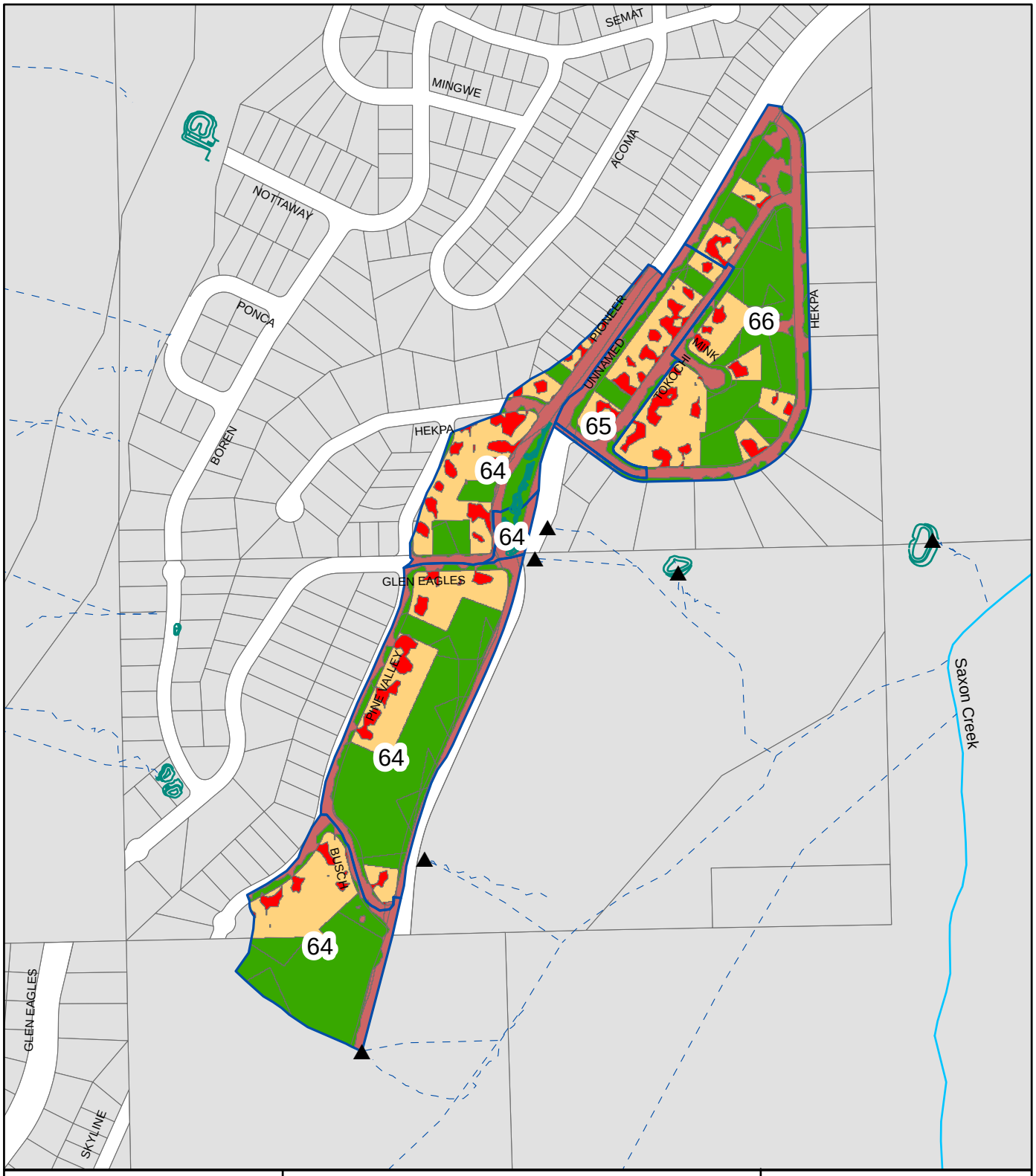
Apalachee 3
UPC 62 - 63

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 135 270 540 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

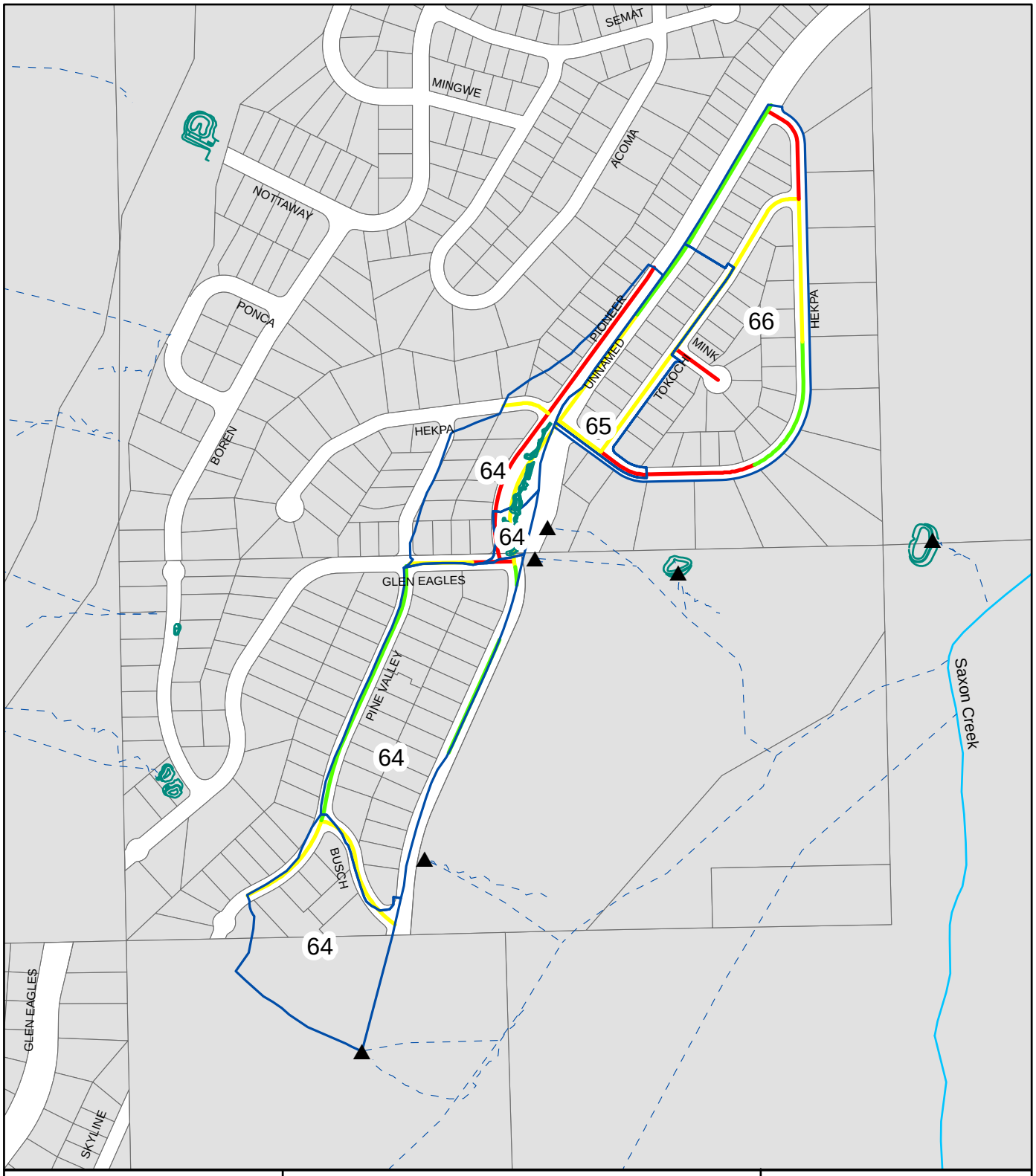
Apalachee 2 / Hekpa
UPC 64 - 66

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

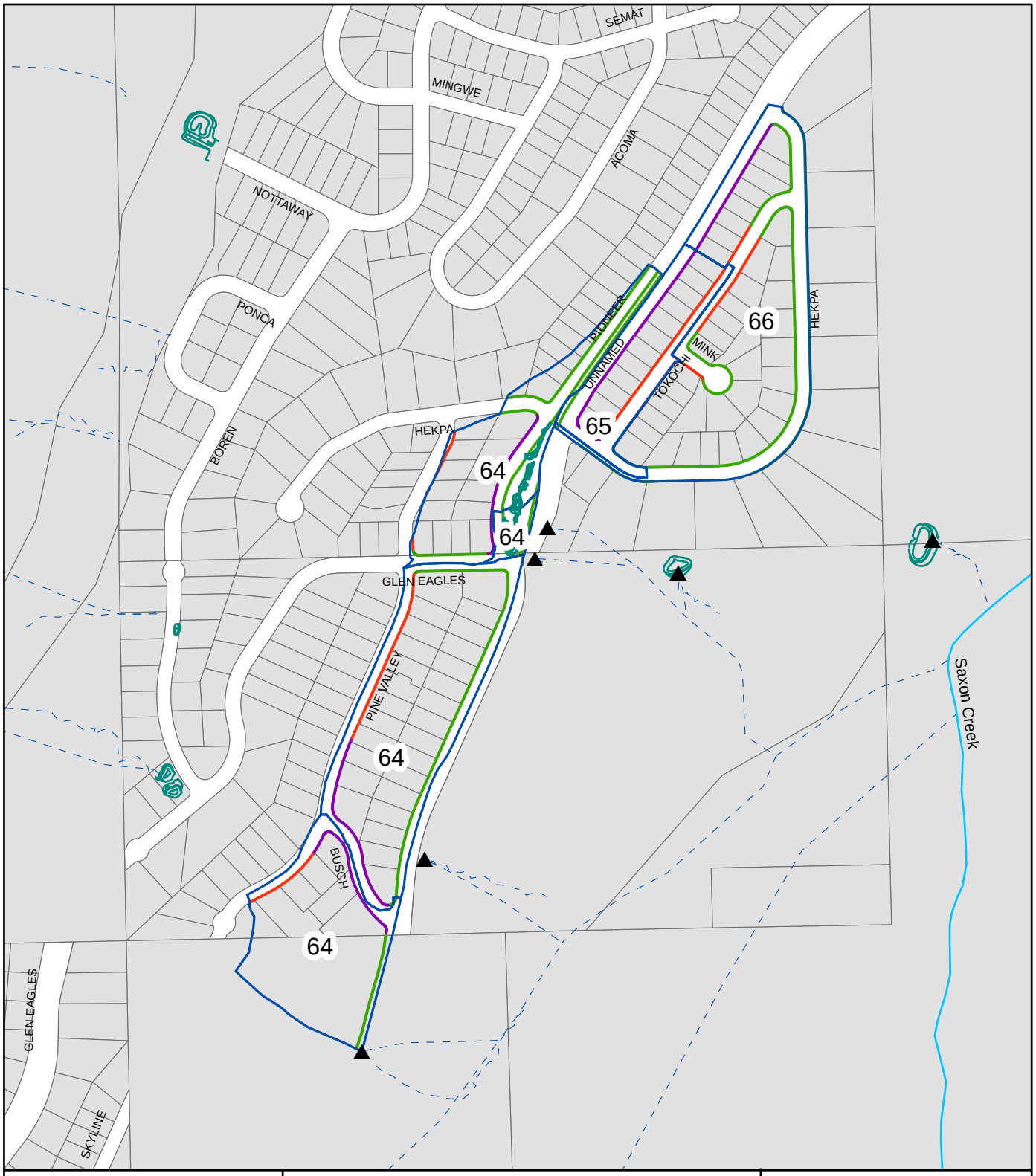
Apalachee 2 / Hekpa
UPC 64 - 66

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

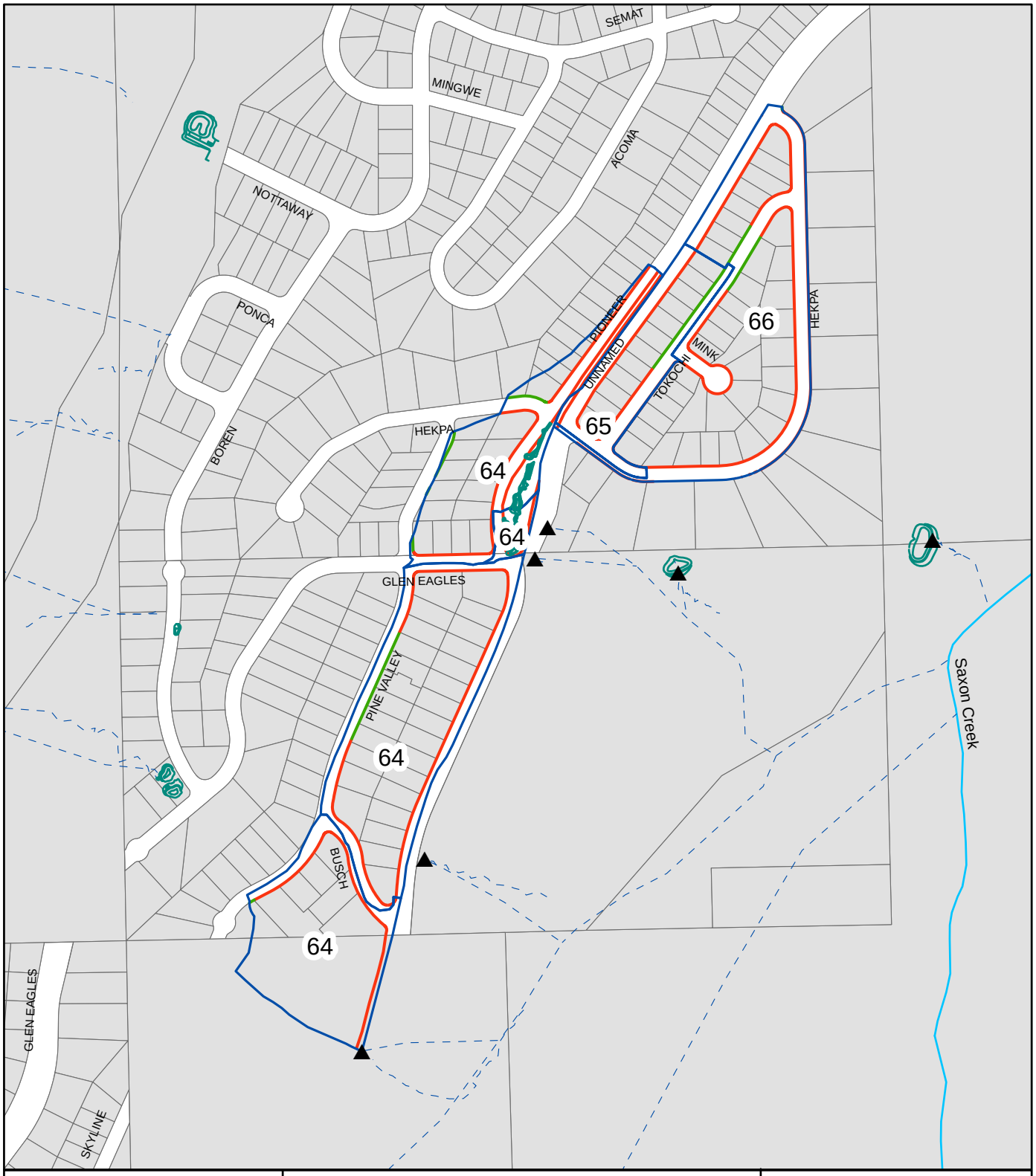
Apalachee 2 / Hekpa
UPC 64 - 66

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

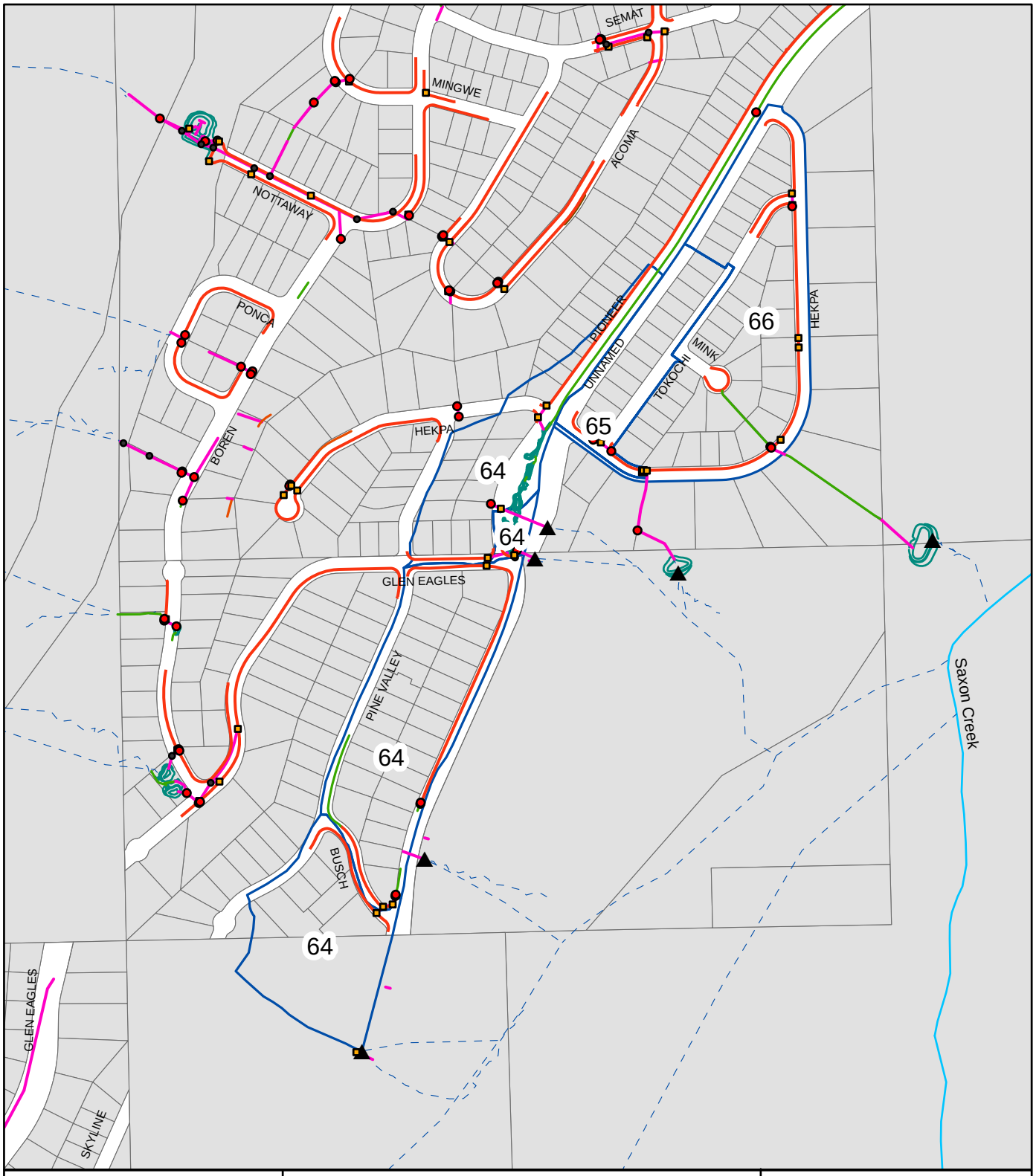
Apalachee 2 / Hekpa
UPC 64 - 66

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

▲	EDC_OUTFALL	**NID**
	PID	**TYPE**
	EDC_Basins	DI
	EDC_Walls	SD
	EDC_Dike	ST
	EDC_Curb	VAULT
	EDC_Channels	NID_TDI
	EDC_AcDitch	

Baseline

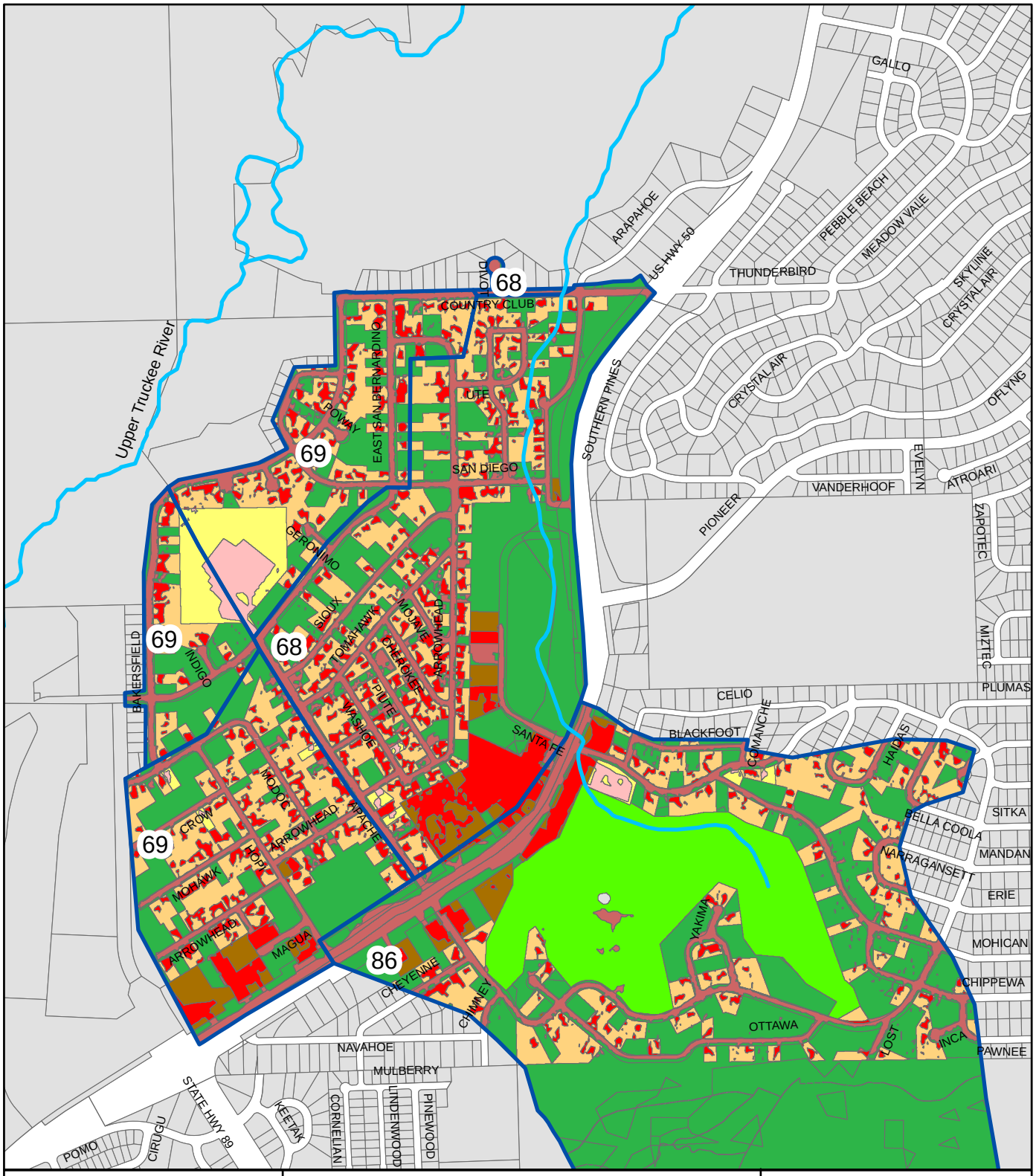
Apalachee 2 / Hekpa
UPC 64 - 66

El Dorado County - DOT

N
W E
S

1 inch equals 500 feet

0 125 250 500 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- TURF
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

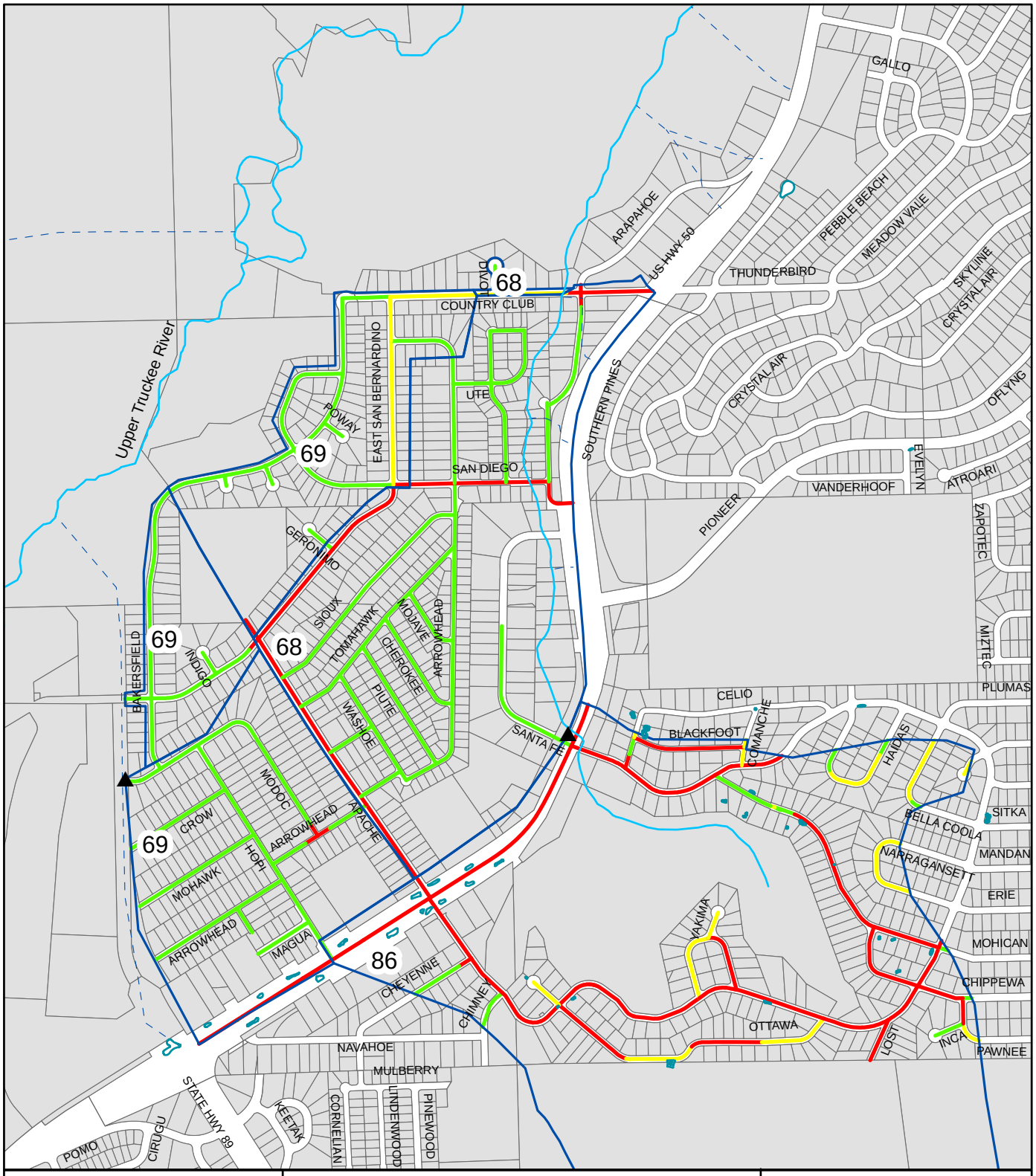
Tahoe Paradise
UPC 68 - 69, 86

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 295 590 1,180 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

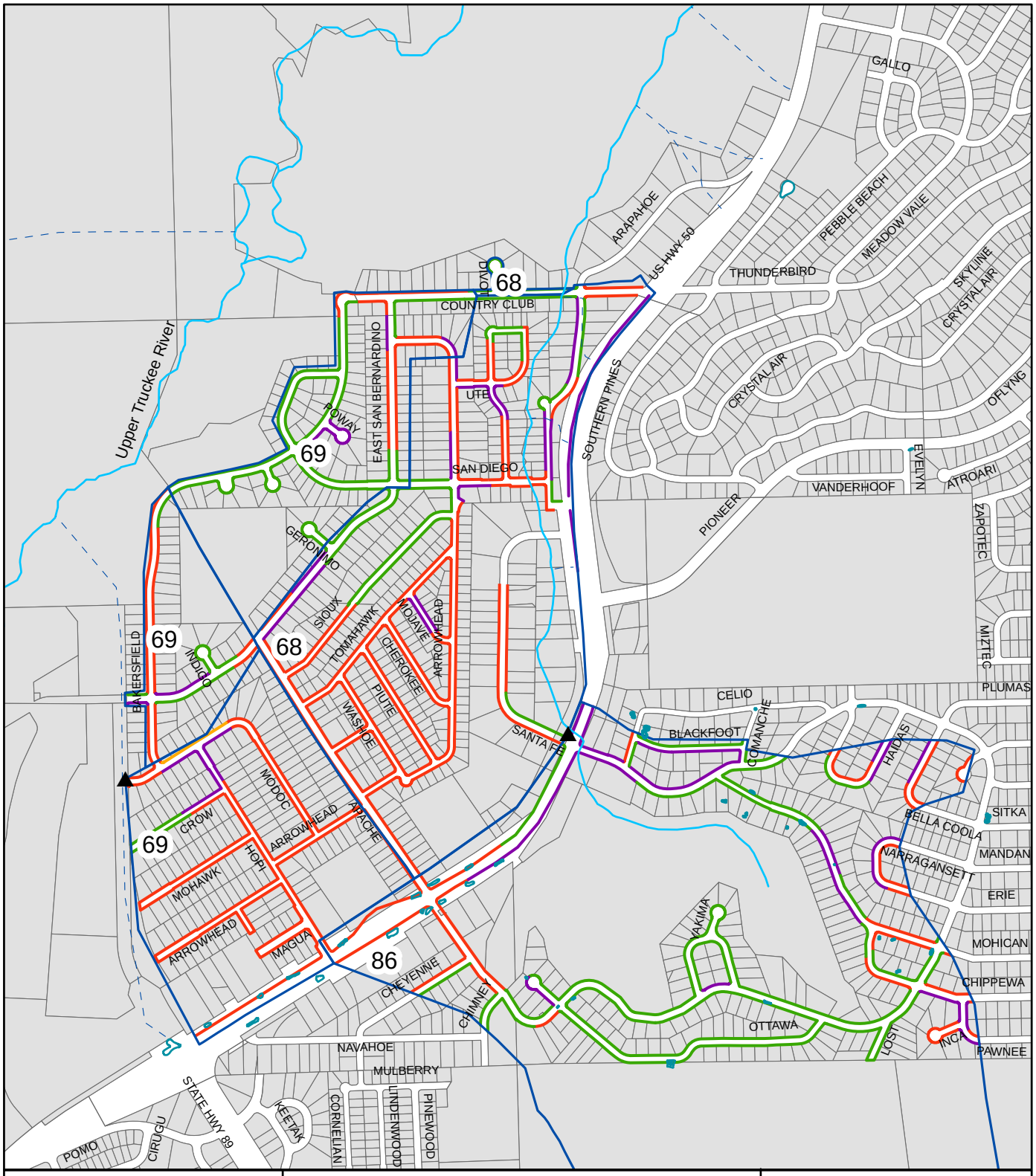
Tahoe Paradise
UPC 68 - 69, 86

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

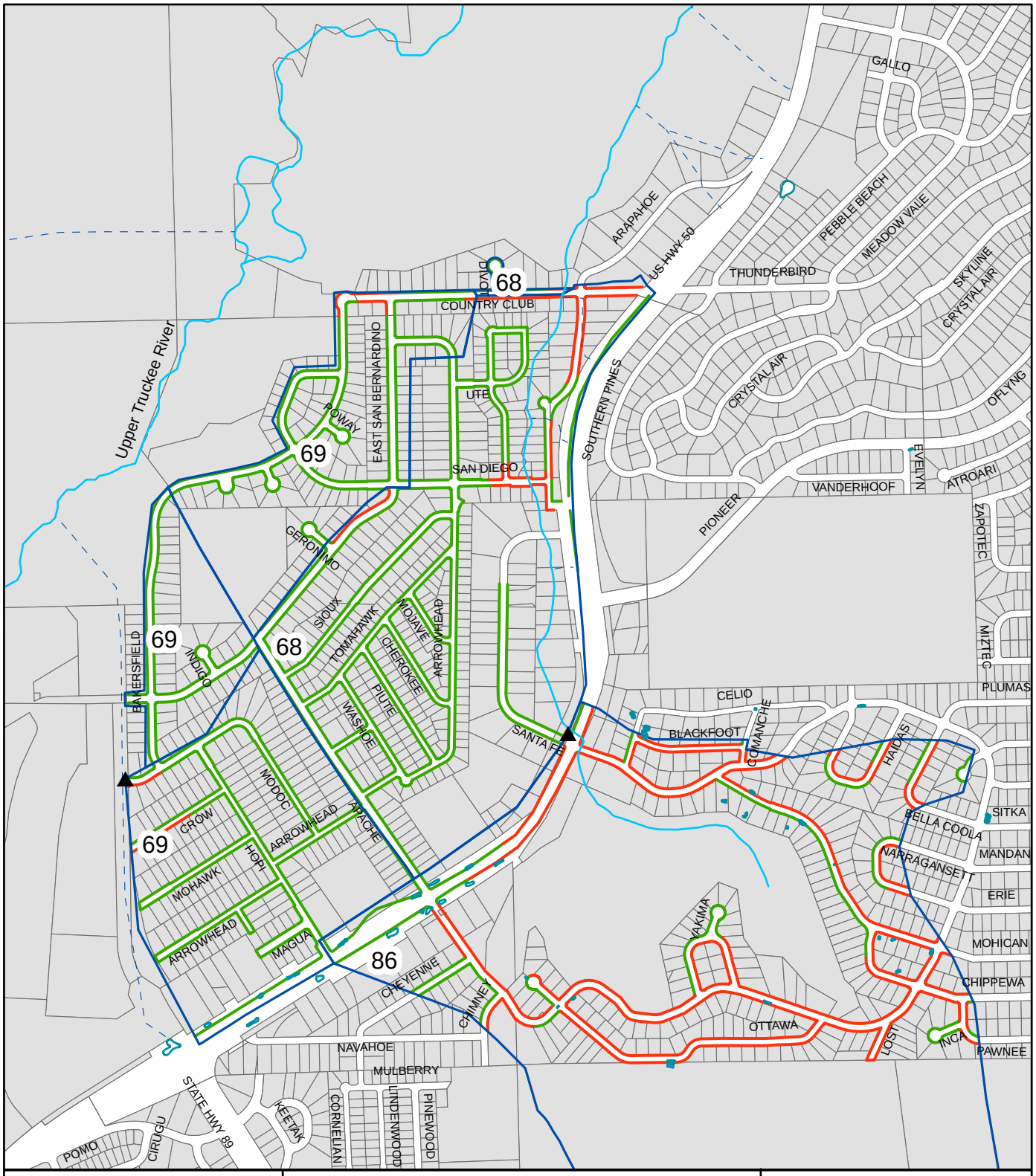
Tahoe Paradise
UPC 68 - 69, 86

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

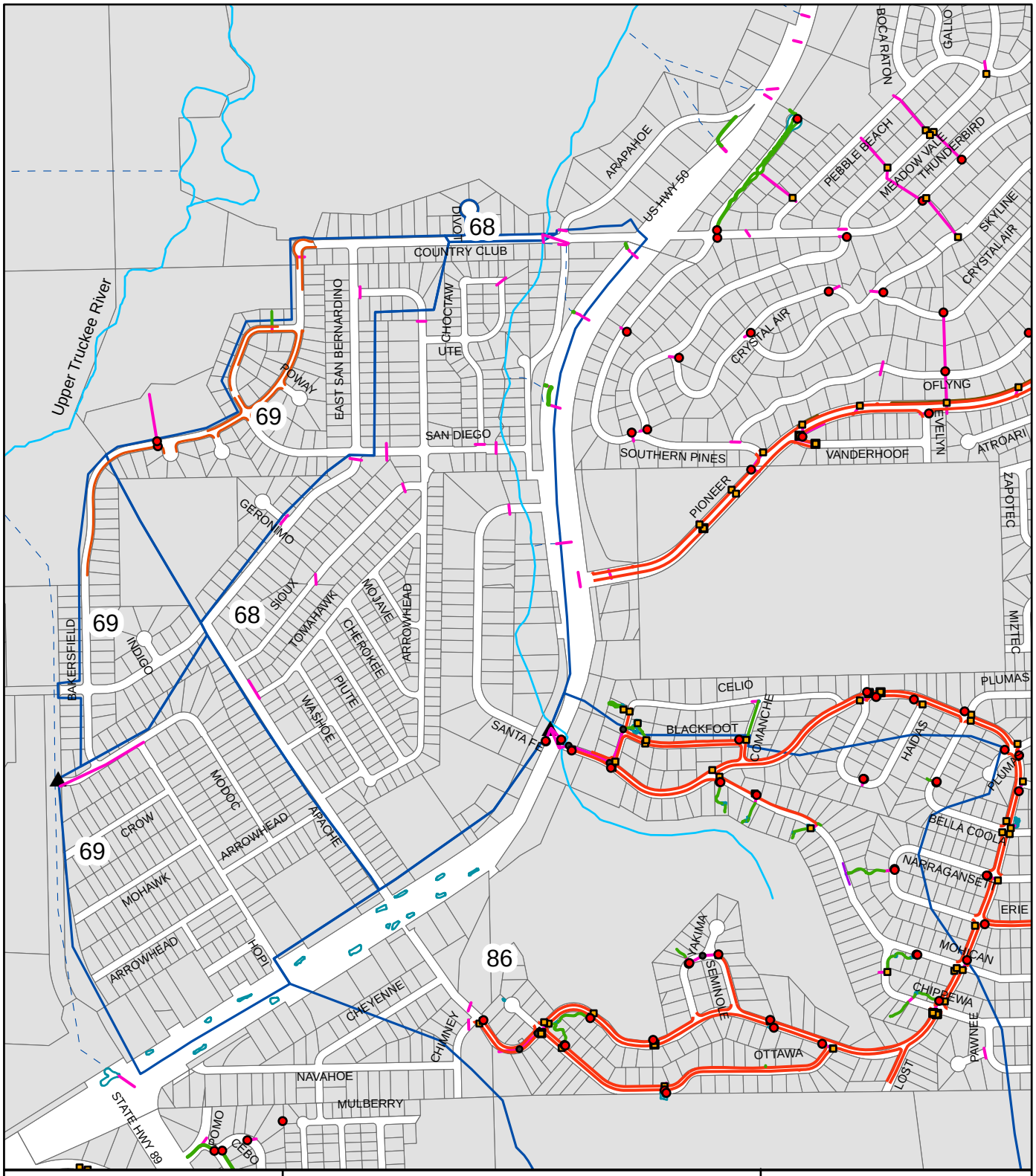
Tahoe Paradise
UPC 68 - 69, 86

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

EDC_OUTFALL	**NID**
EDC_Dike	**TYPE**
PID	DI
EDC_Basins	SD
EDC_Walls	ST
EDC_Curb	VAULT
EDC_Channels	EDC_AcDitch
NID_TDI	

Baseline

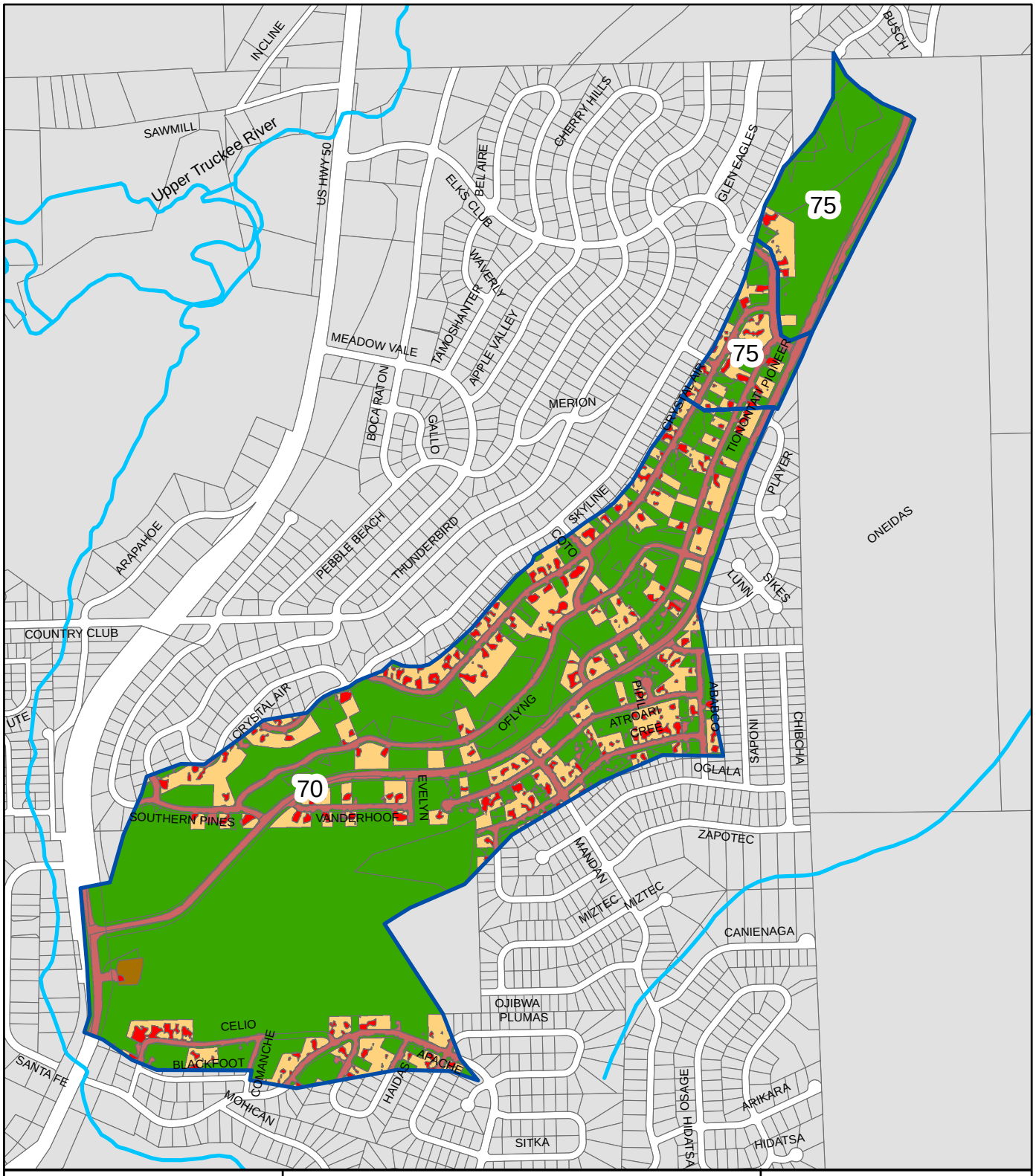
Tahoe Paradise
UPC 68 - 69, 86

El Dorado County - DOT

N
W E
S

1 inch equals 900 feet

0 225 450 900 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

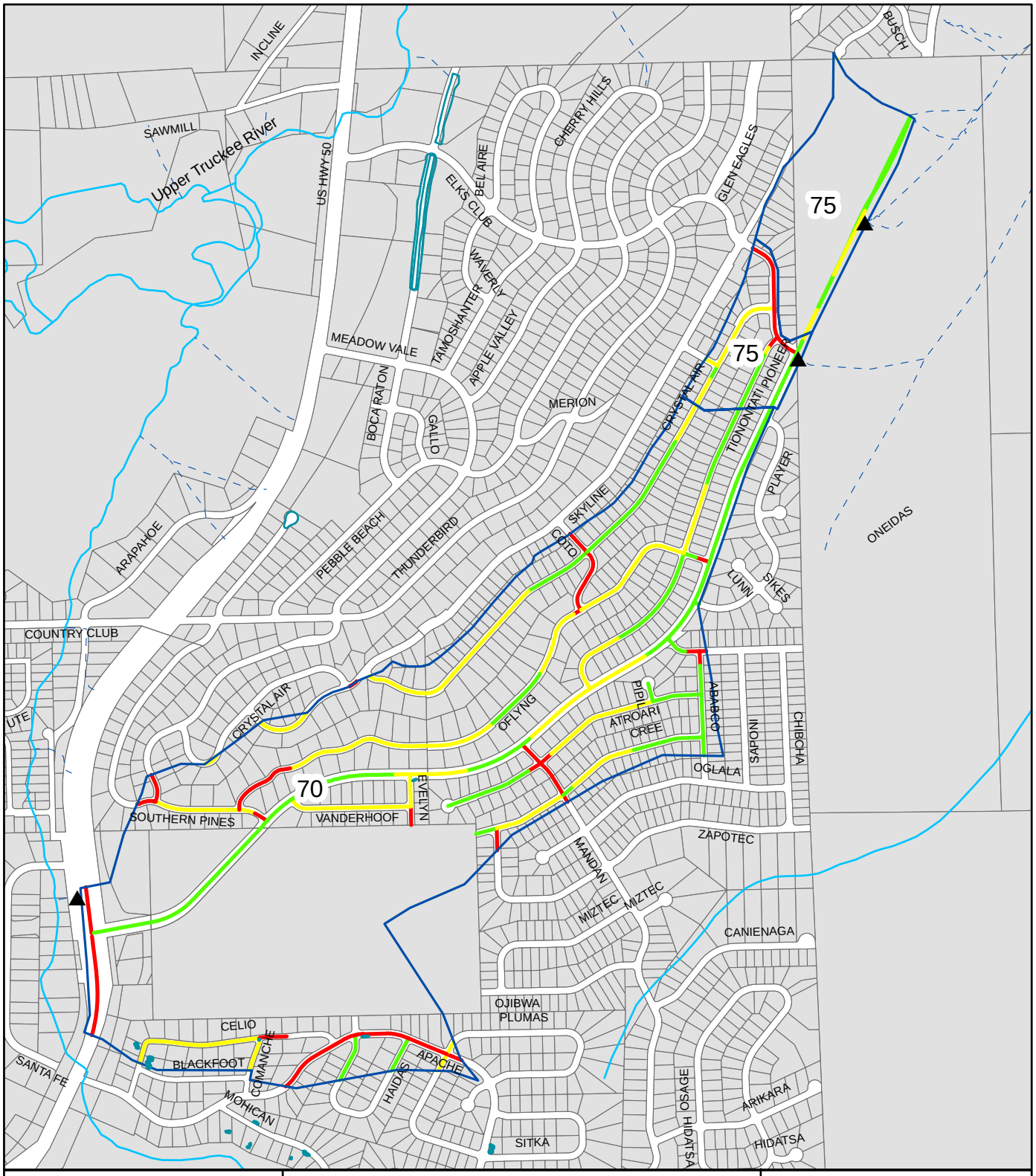
Tahoe Paradise
UPC 70, 75

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

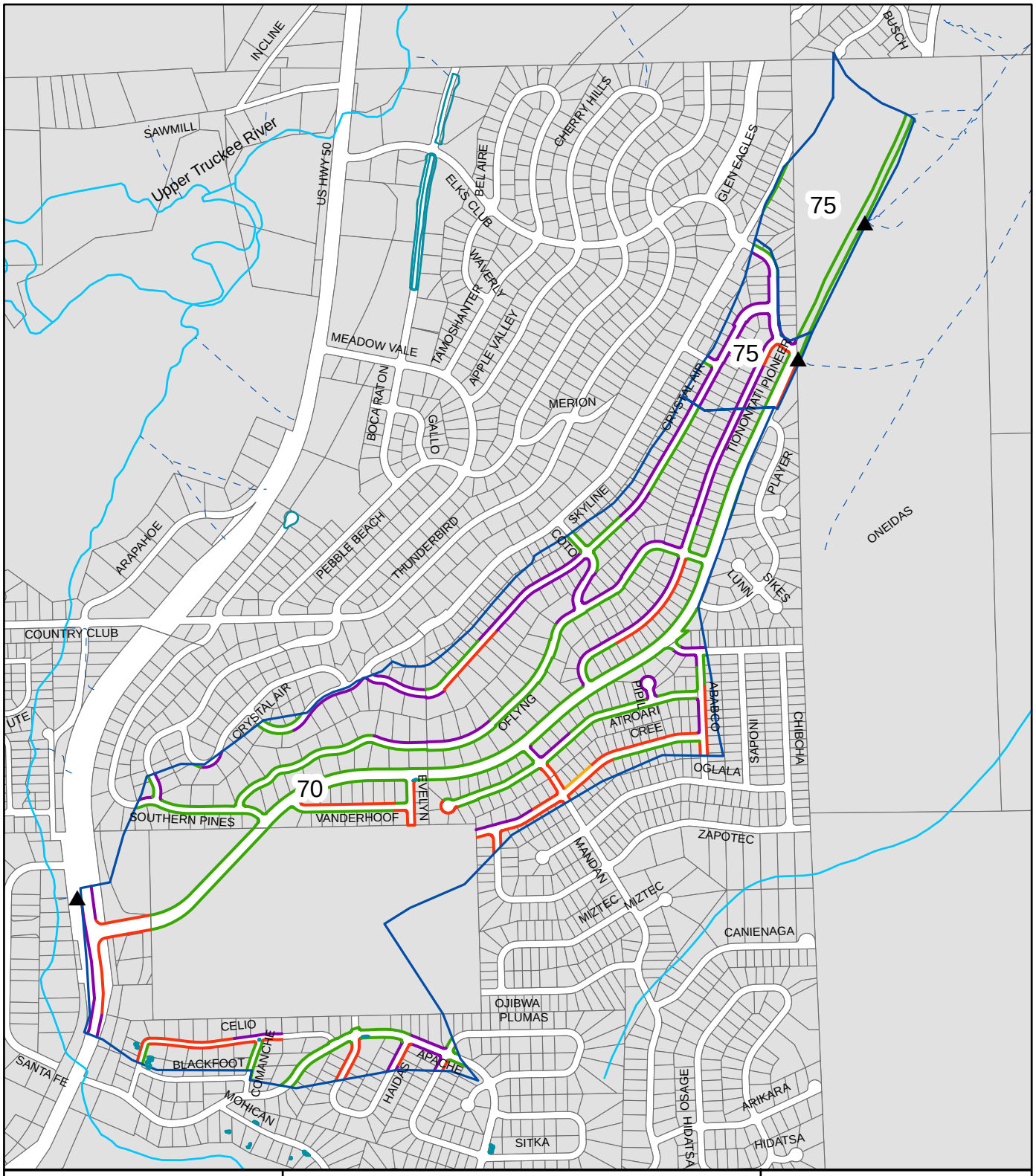
Tahoe Paradise
UPC 70, 75

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

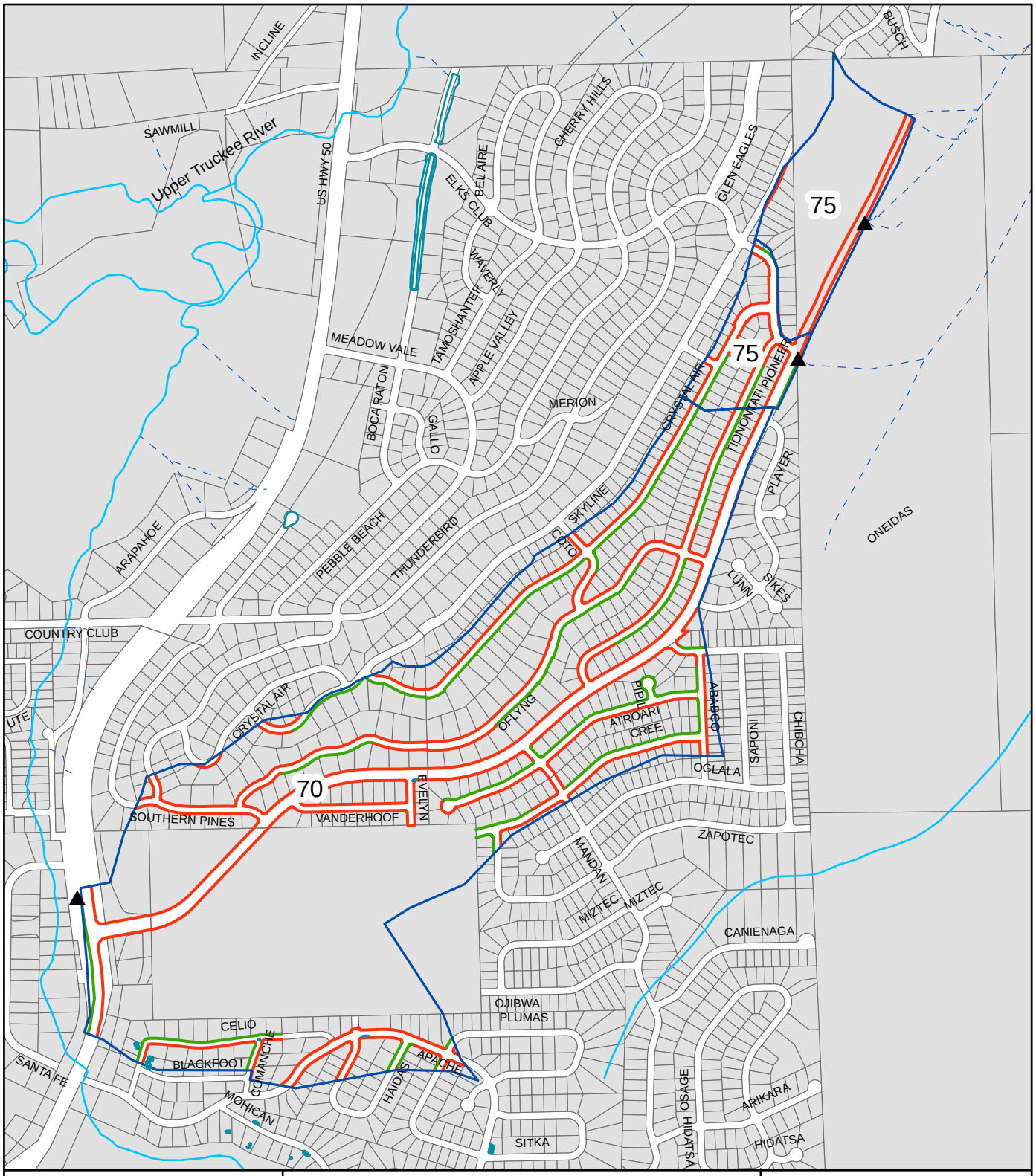
Tahoe Paradise
UPC 70, 75

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

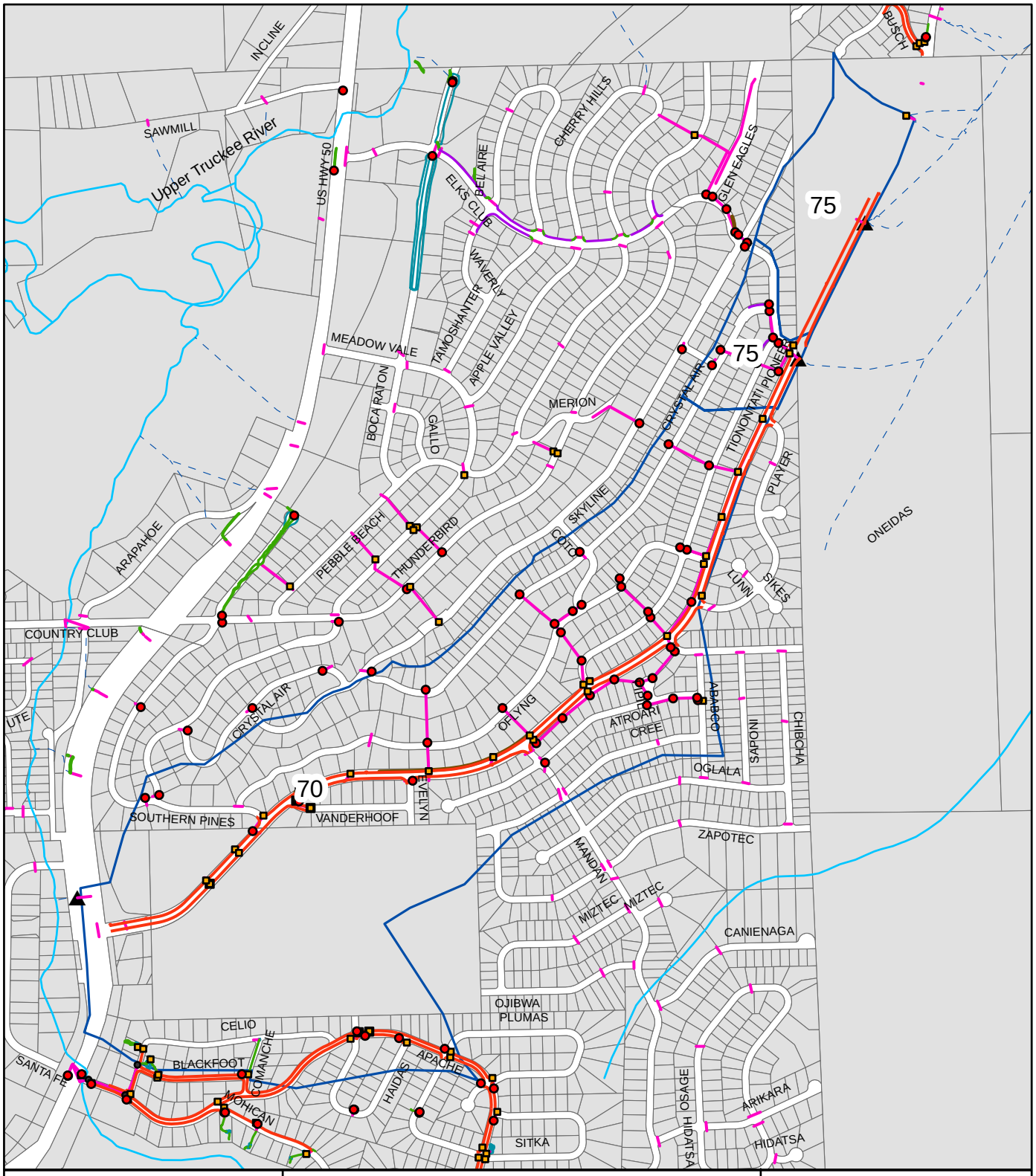
Tahoe Paradise
UPC 70, 75

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

NID	TYPE
EDC_OUTFALL	DI
PID	SD
EDC_Basins	ST
EDC_Walls	VAULT
EDC_Dike	
EDC_Curb	
EDC_Channels	
EDC_AcDitch	
NID_TDI	

Baseline

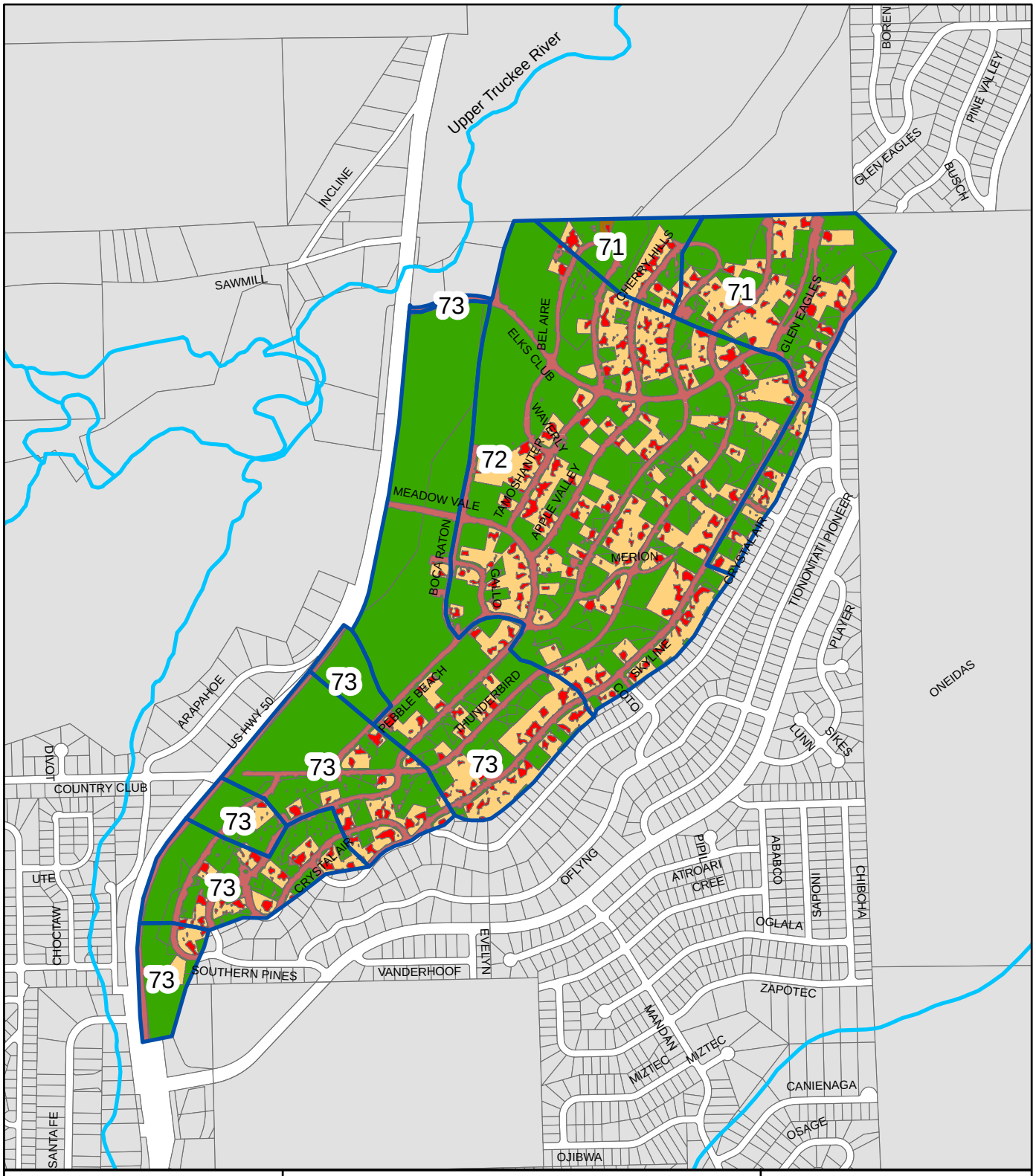
Tahoe Paradise
UPC 70, 75

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 260 520 1,040 Feet



Legend

Landuse

- SFR-P
- CICU-P
- VEG
- SFR/CICU-I
- Roads_S-I,P-I

Baseline

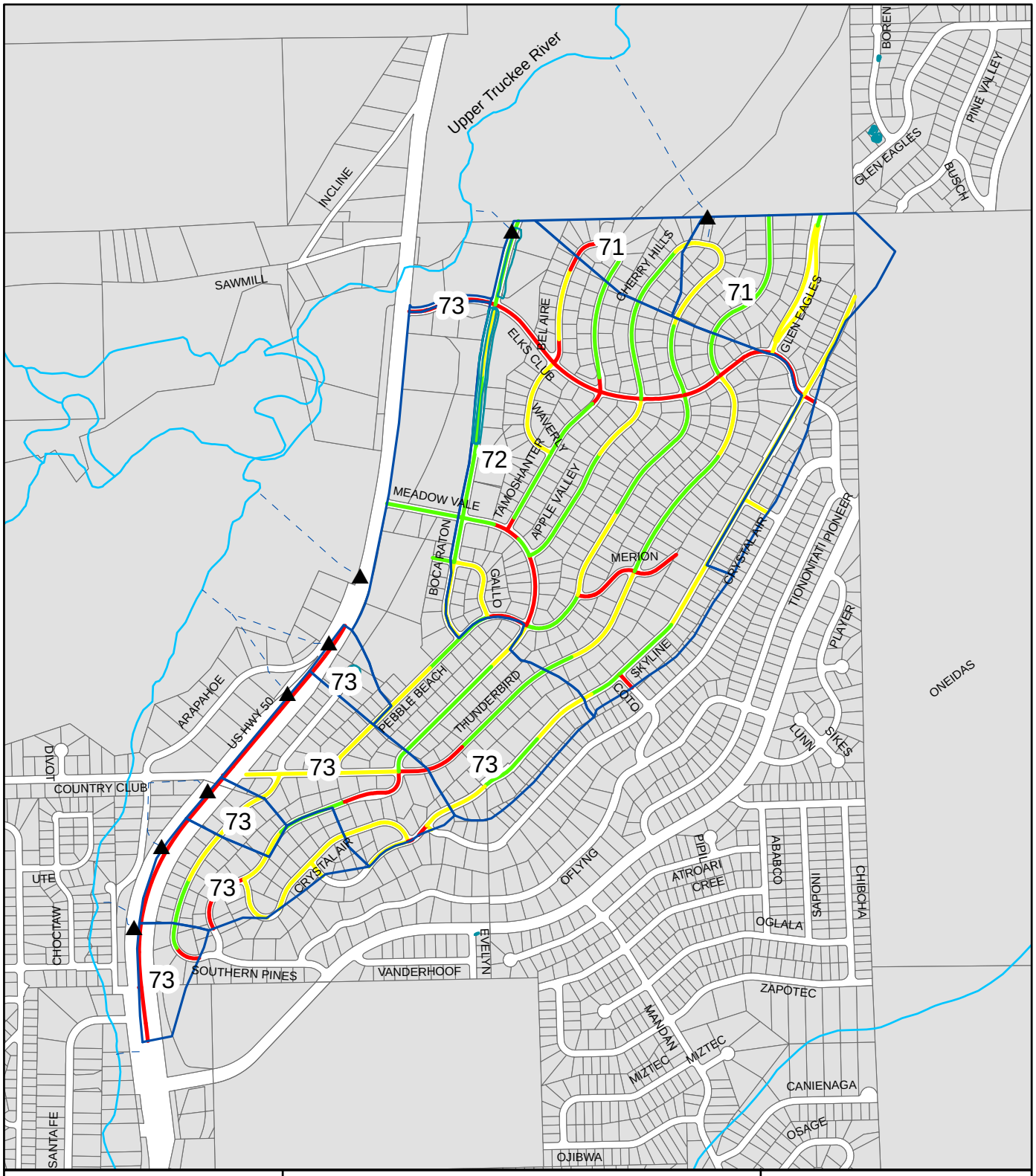
Country Club Area
UPC 71 - 73

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

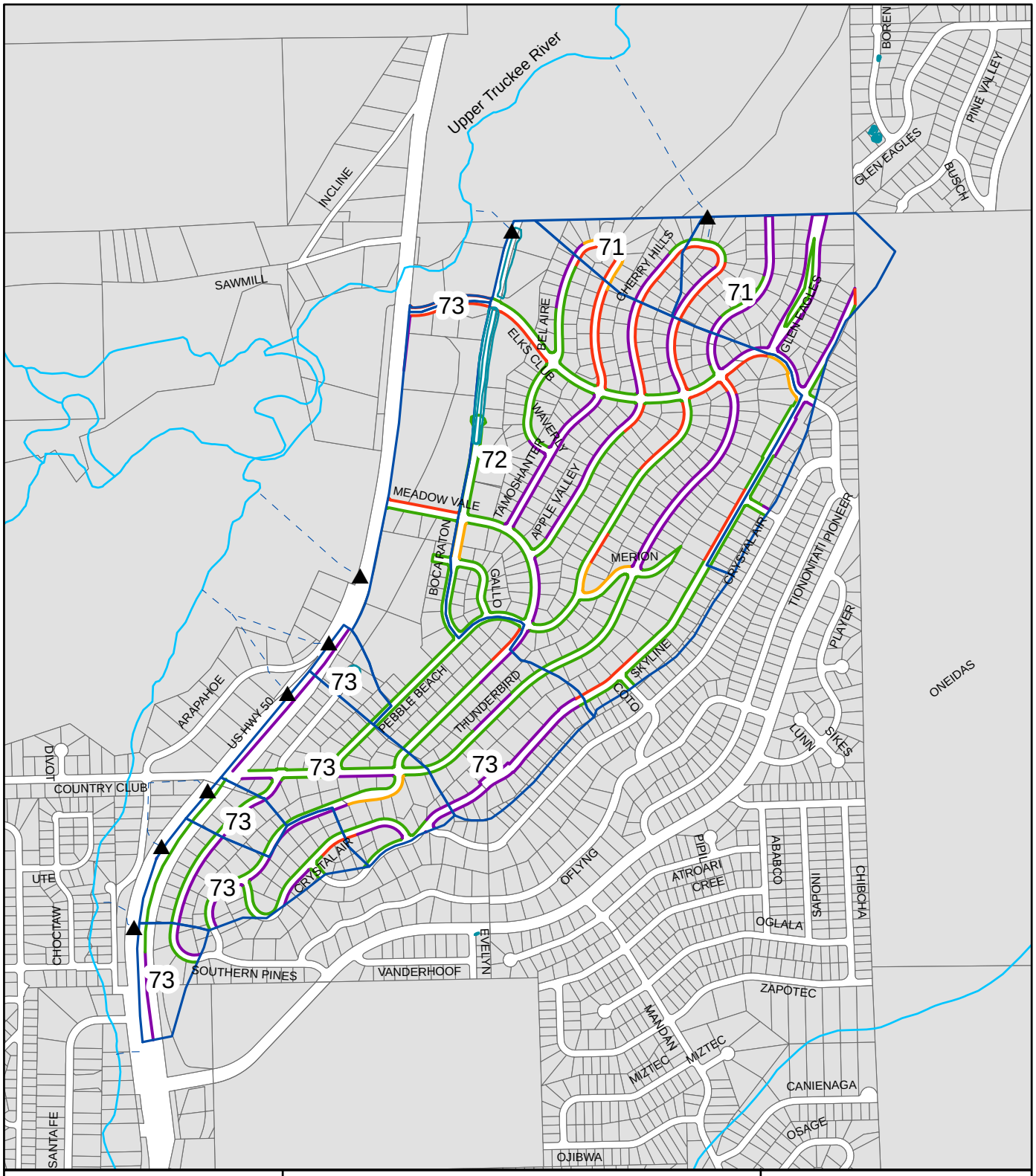
Country Club Area
UPC 71 - 73

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

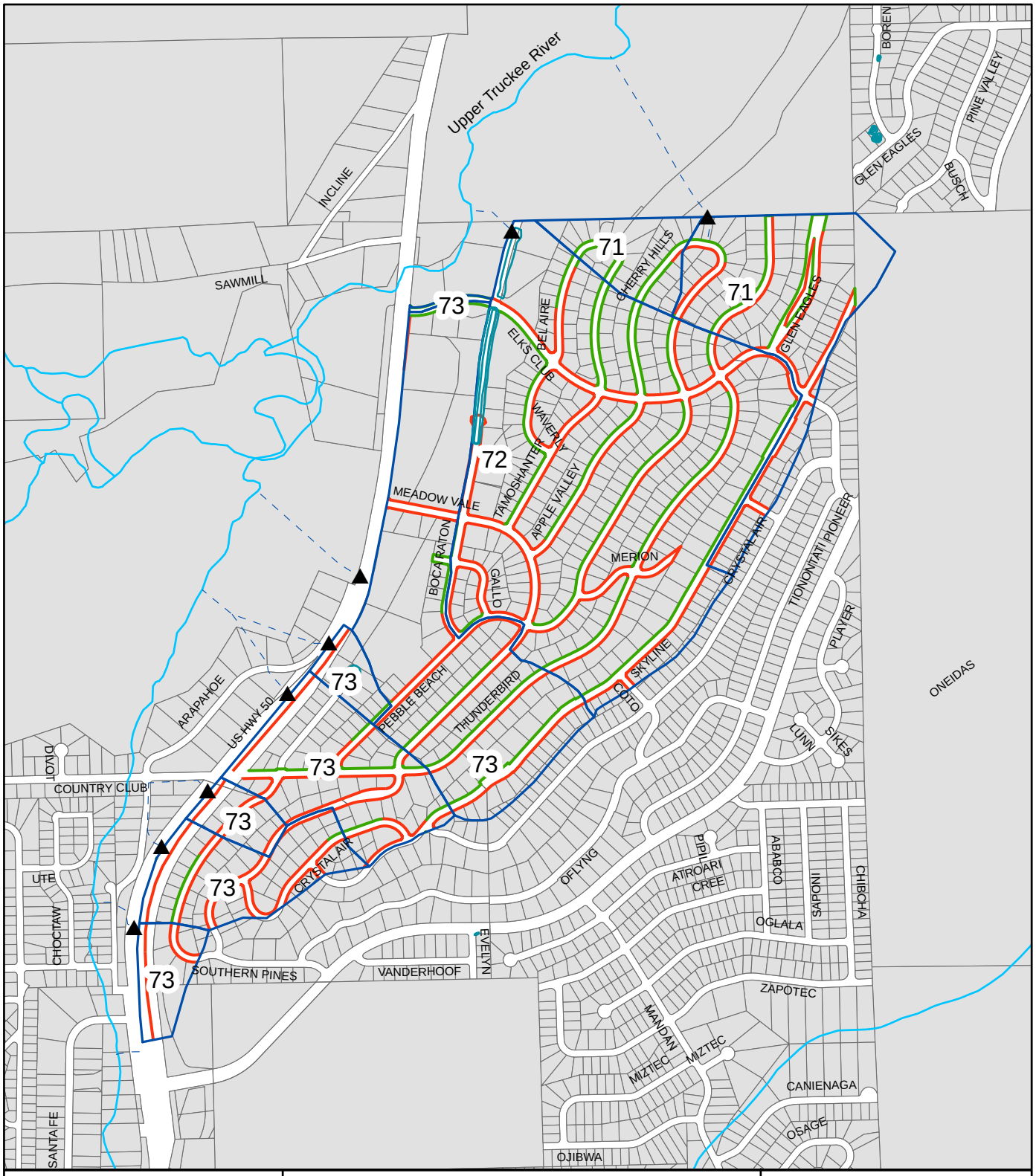
Country Club Area
UPC 71 - 73

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR.Cond_Imp

- DCIA
- ICIA

Baseline

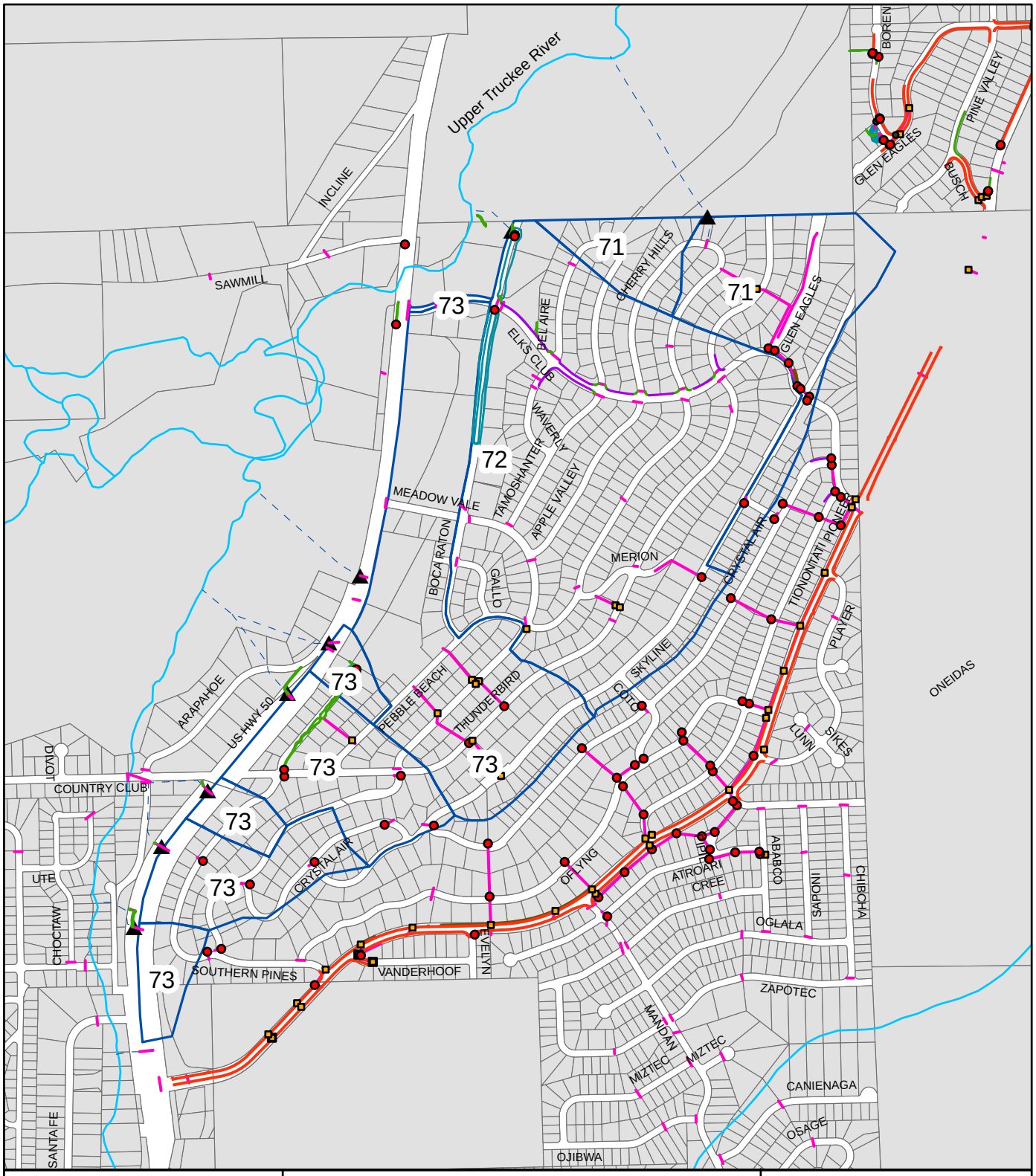
Country Club Area
UPC 71 - 73

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

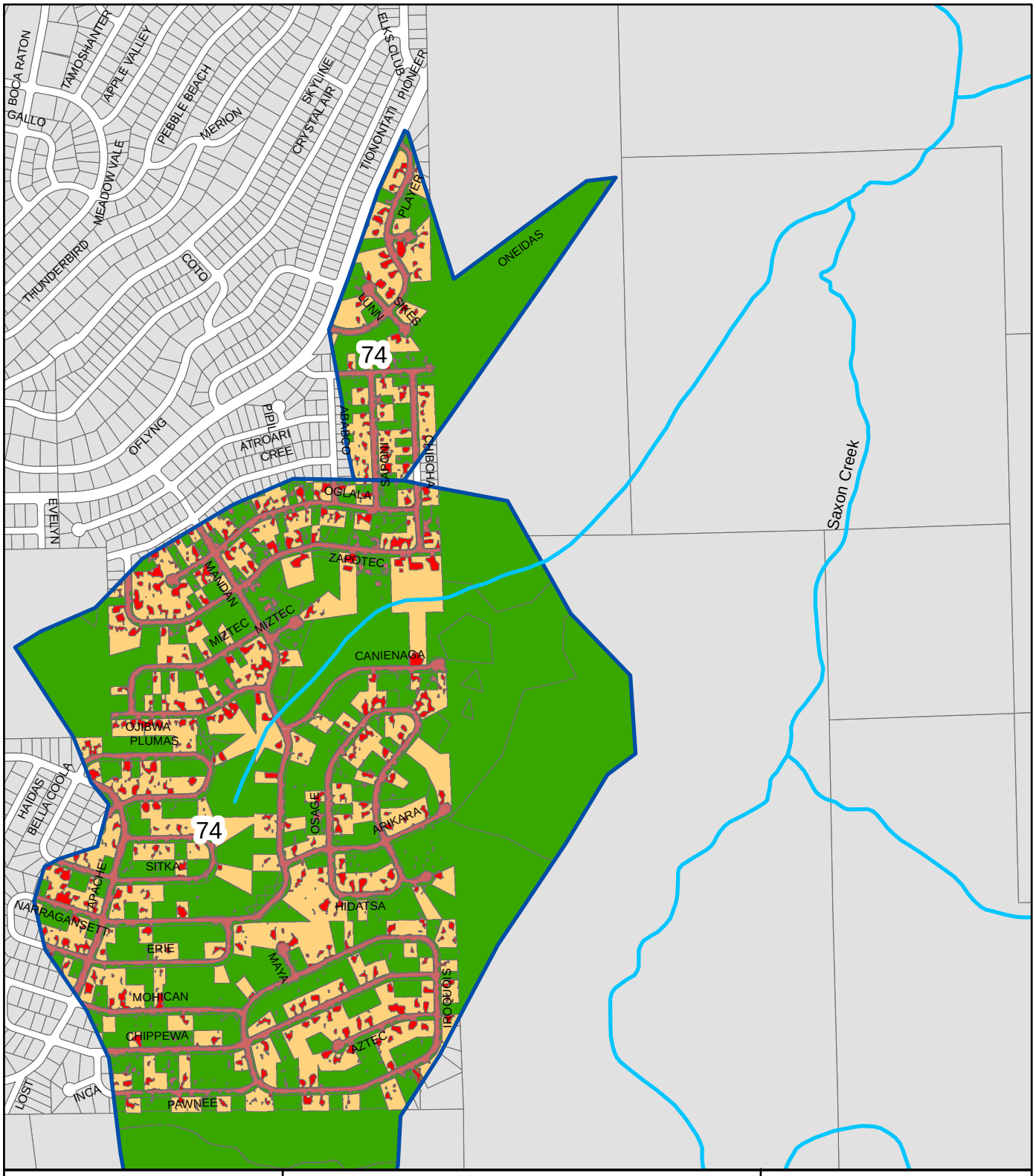
Country Club Area
UPC 71 - 73

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 270 540 1,080 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

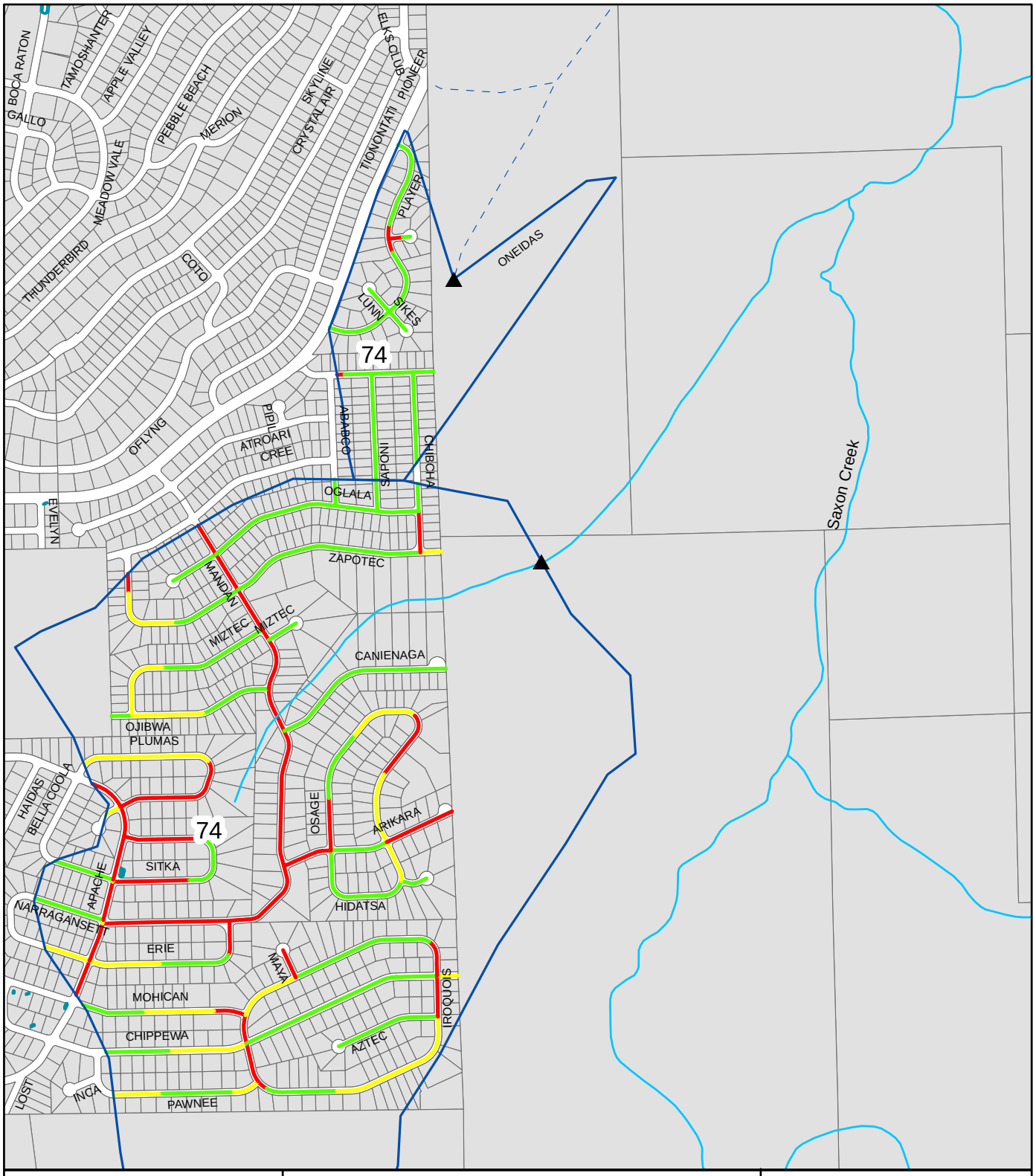
Tahoe Paradise
UPC 74

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

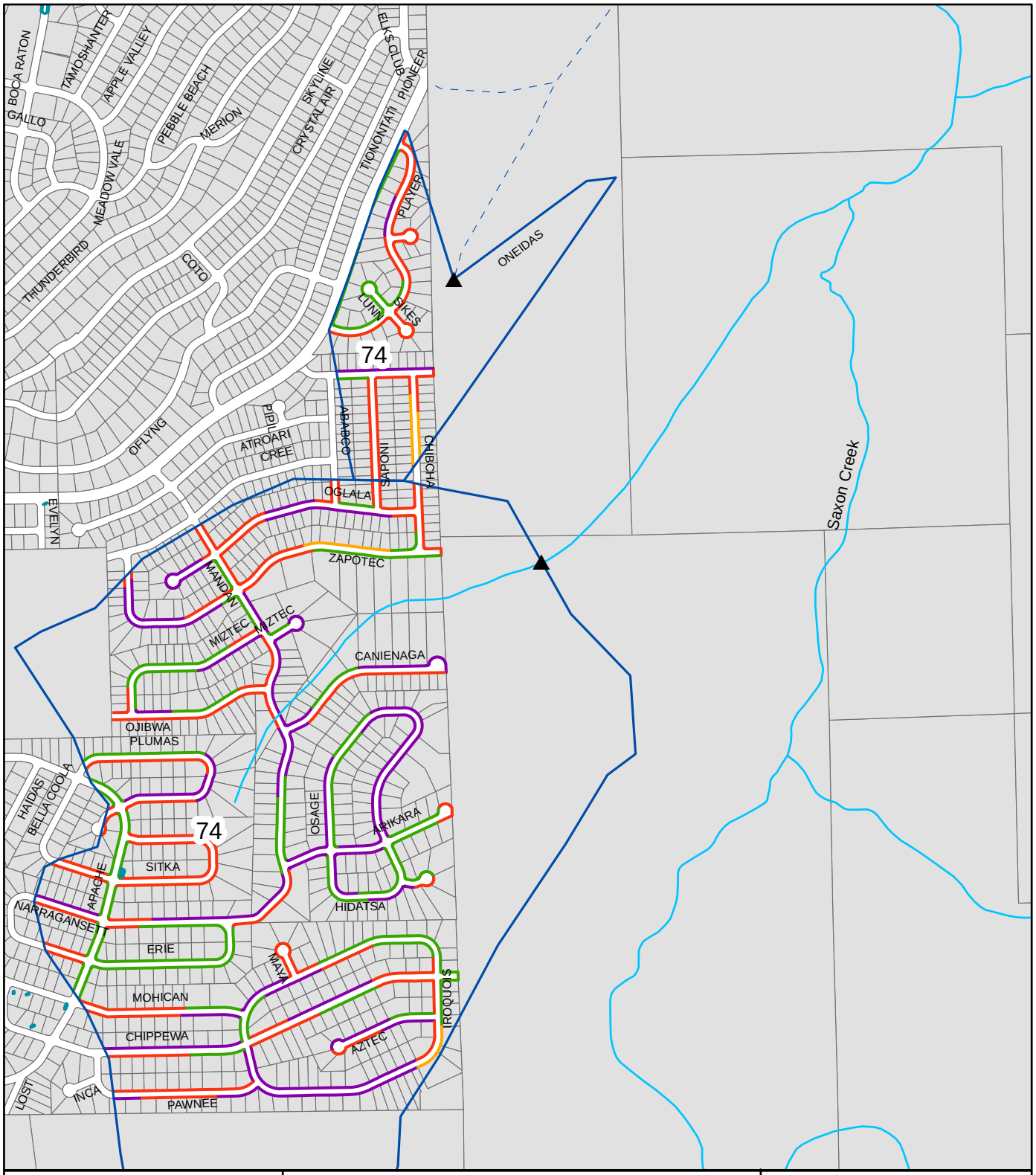
Tahoe Paradise
UPC 74

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

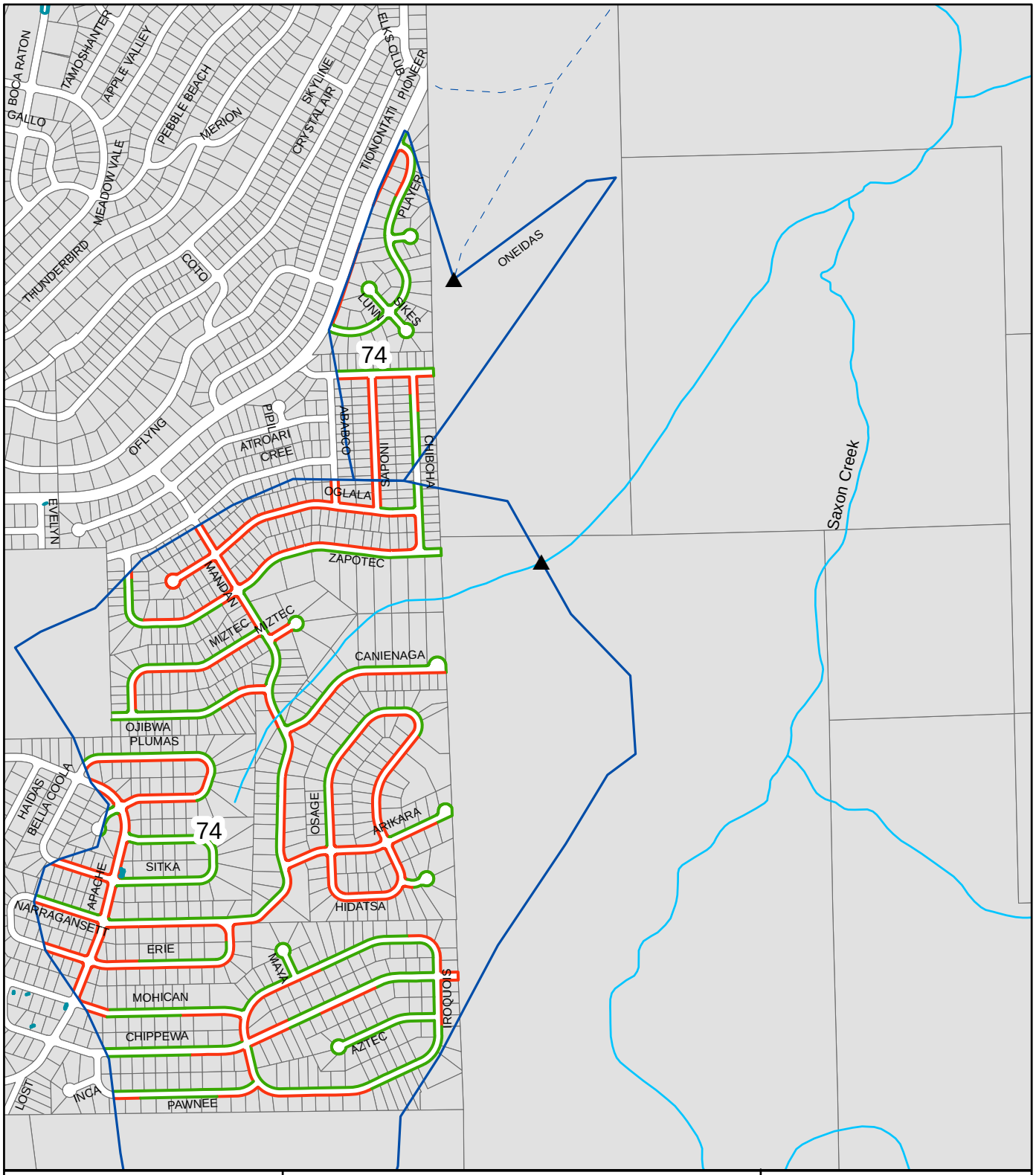
Tahoe Paradise
UPC 74

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

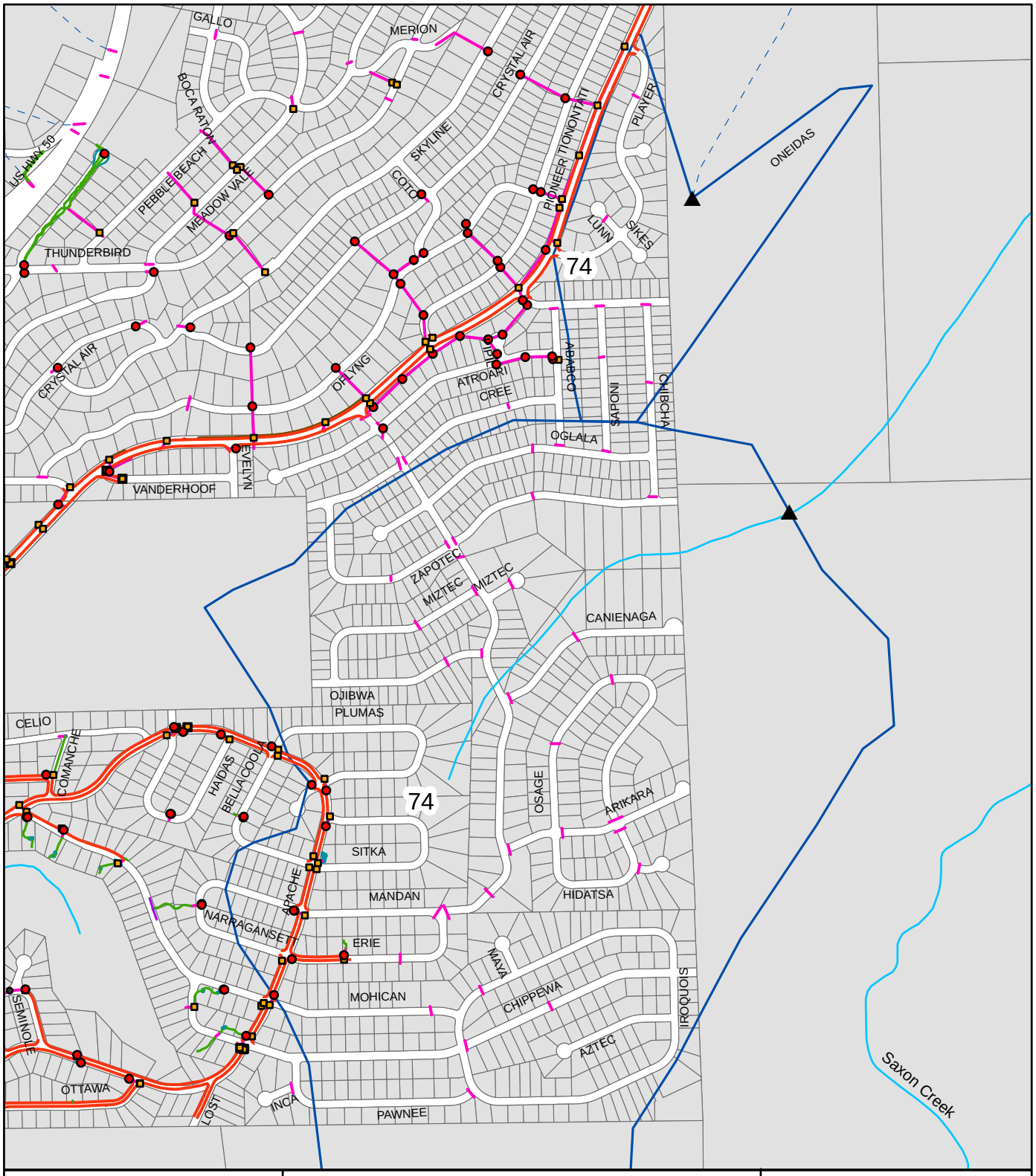
Tahoe Paradise
UPC 74

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch
- EDC_OUTFALL
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

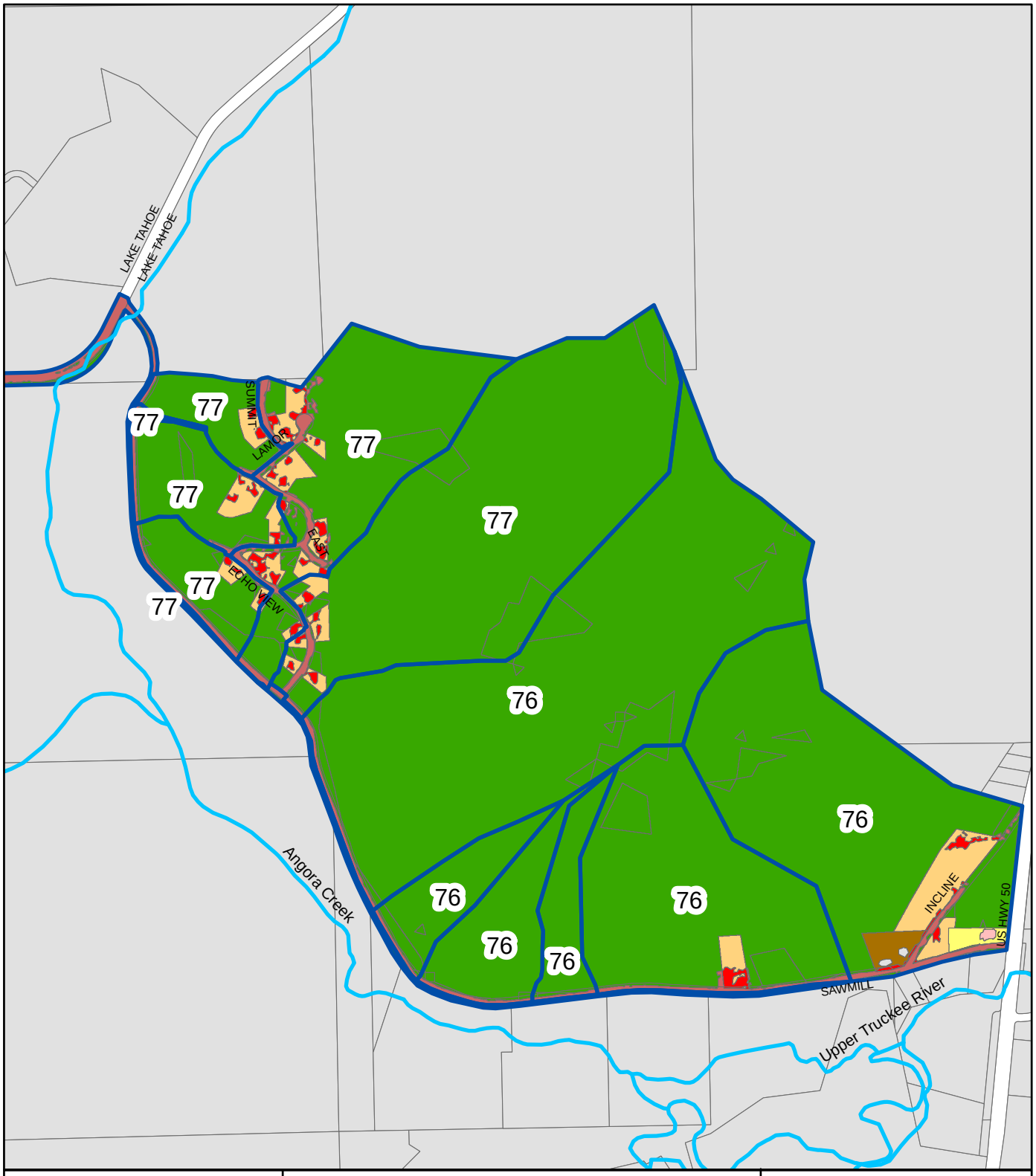
Tahoe Paradise
UPC 74

El Dorado County - DOT

N
W E
S

1 inch equals 900 feet

0 270 540 1,080 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

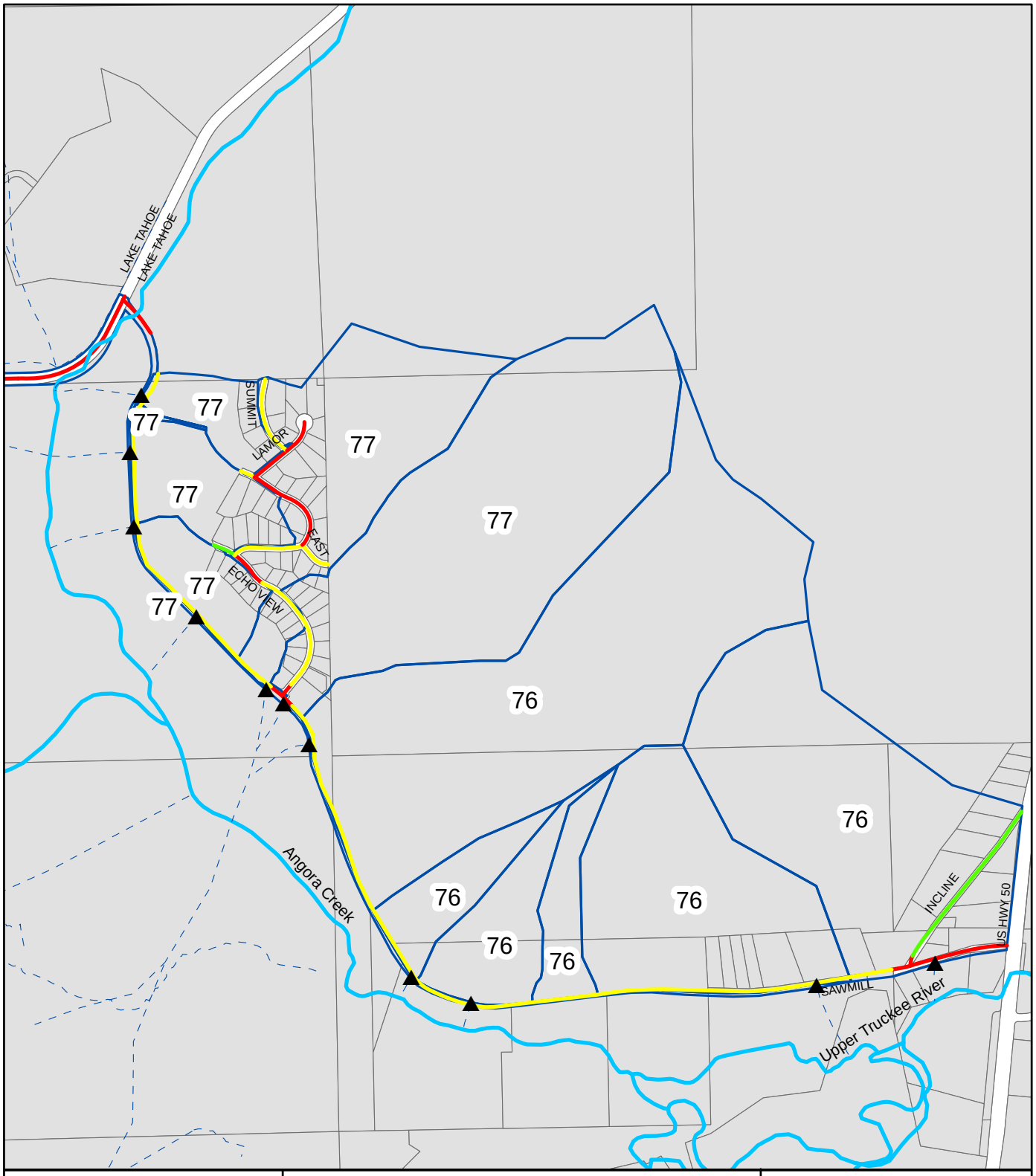
SAWMILL
UPC 76-77

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

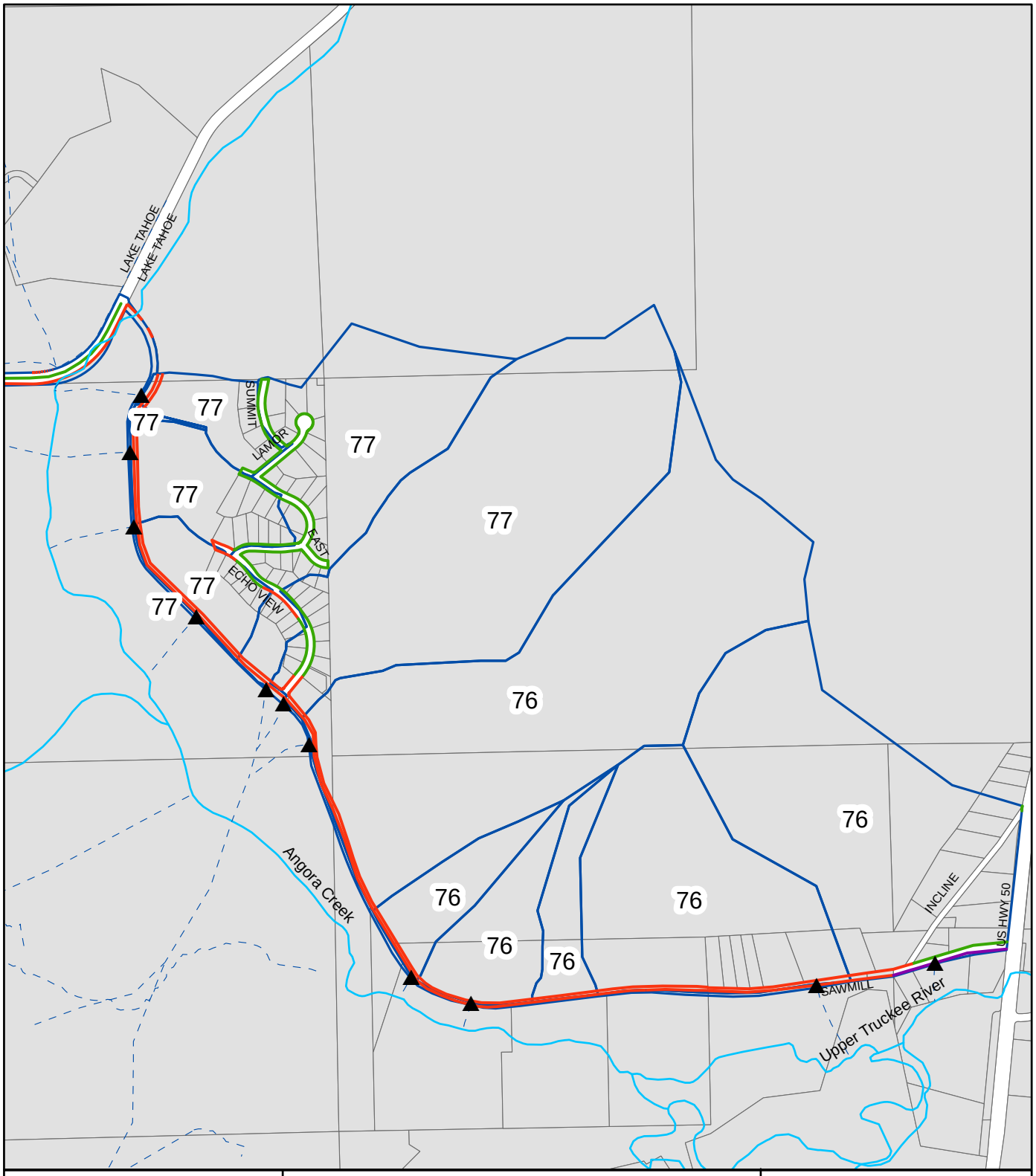
SAWMILL
UPC 76-77

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

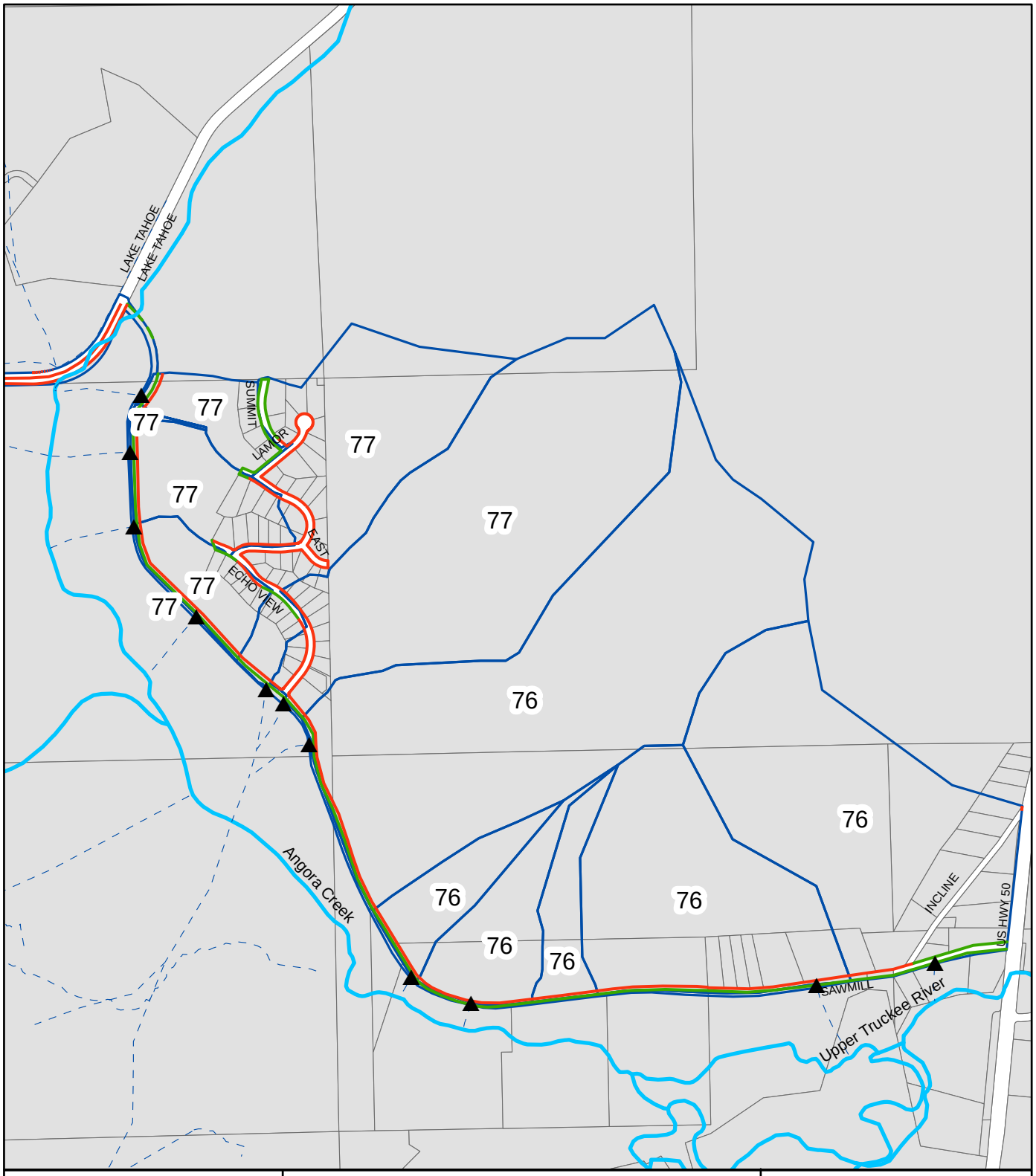
SAWMILL
UPC 76-77

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 260 520 1,040 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

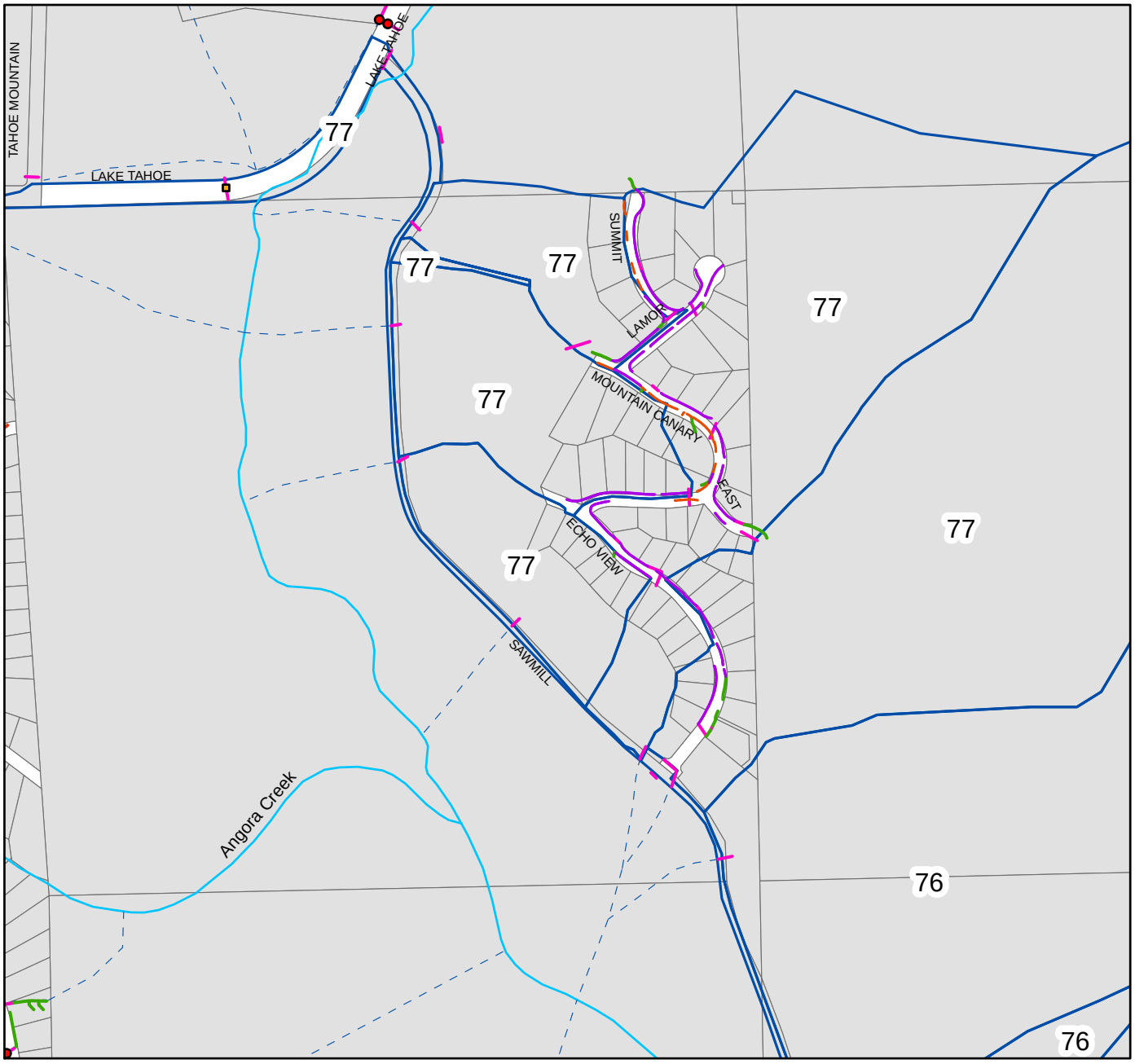
SAWMILL
UPC 76-77

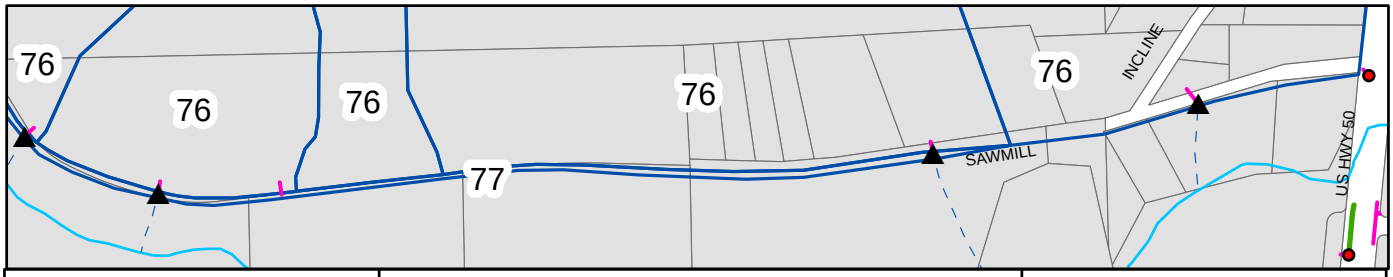
El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet





Legend

- EDC_Dike
- EDC_Basins
- PID
- EDC_Walls
- EDC_Curb
- EDC_Channels
- NID_TDI

NID TYPE

- DI
- SD
- ST
- VAULT

Baseline

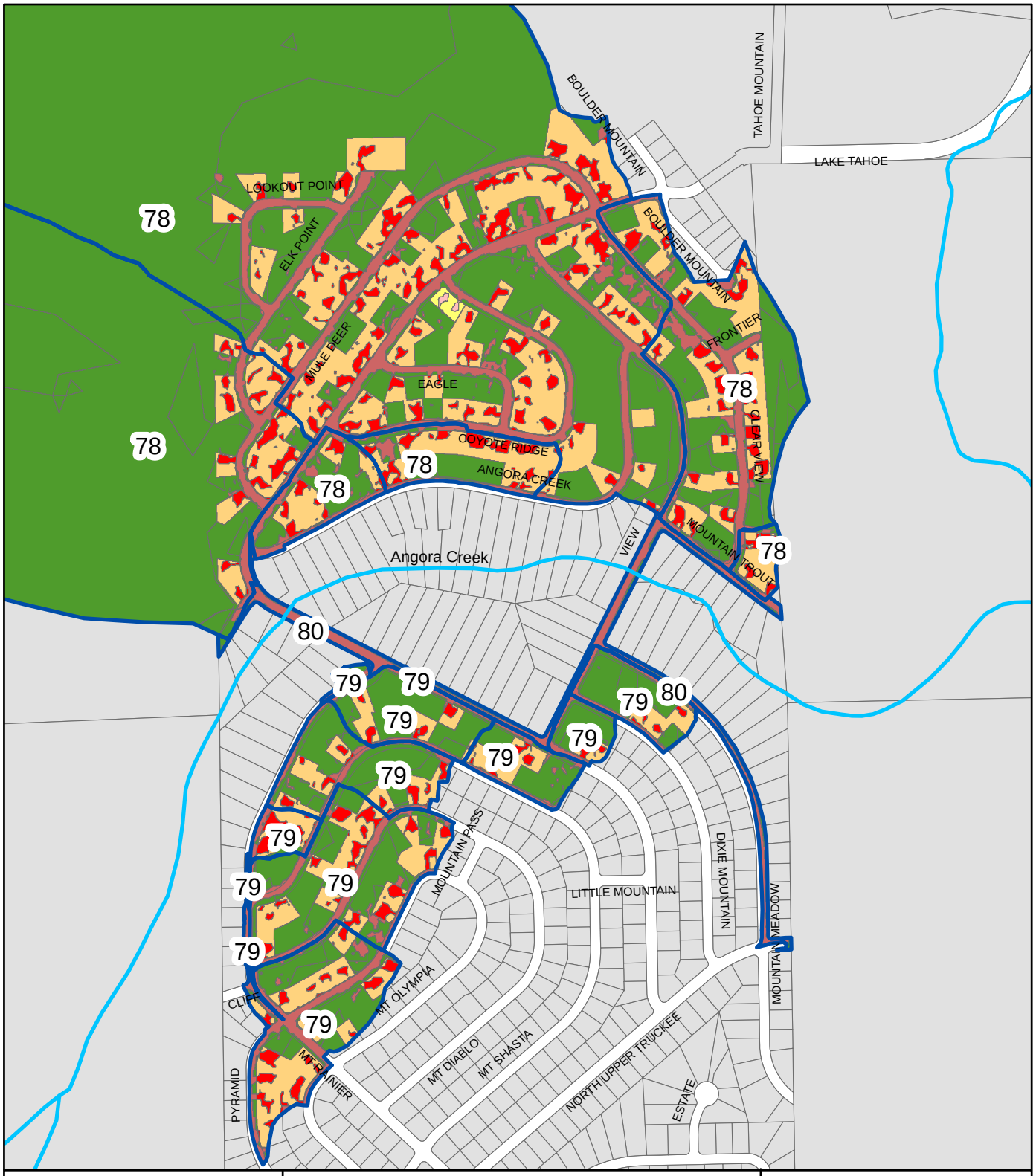
SAWMILL
UPC 76-77

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 155 310 620 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

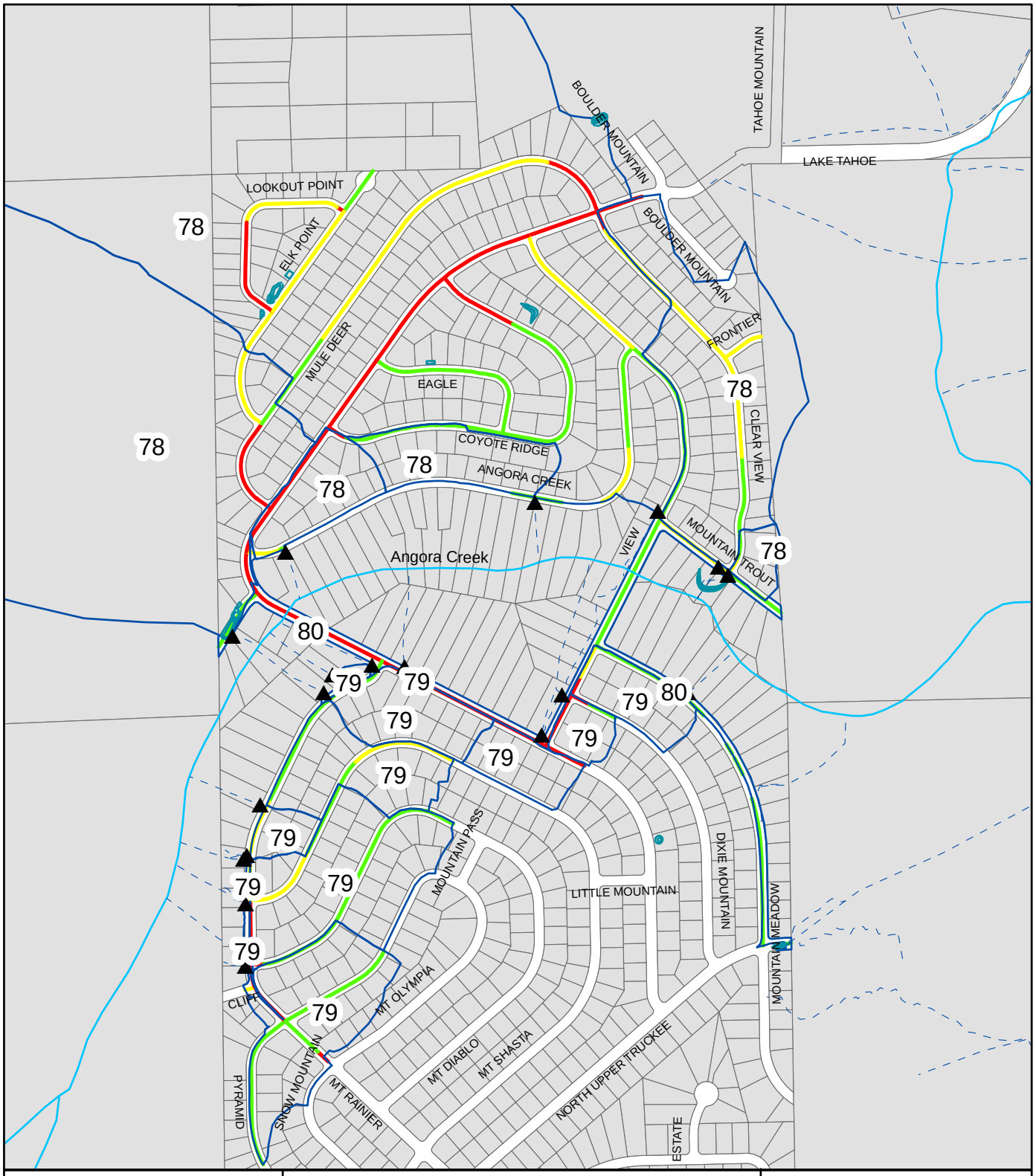
Angora
UPC 78 - 80

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

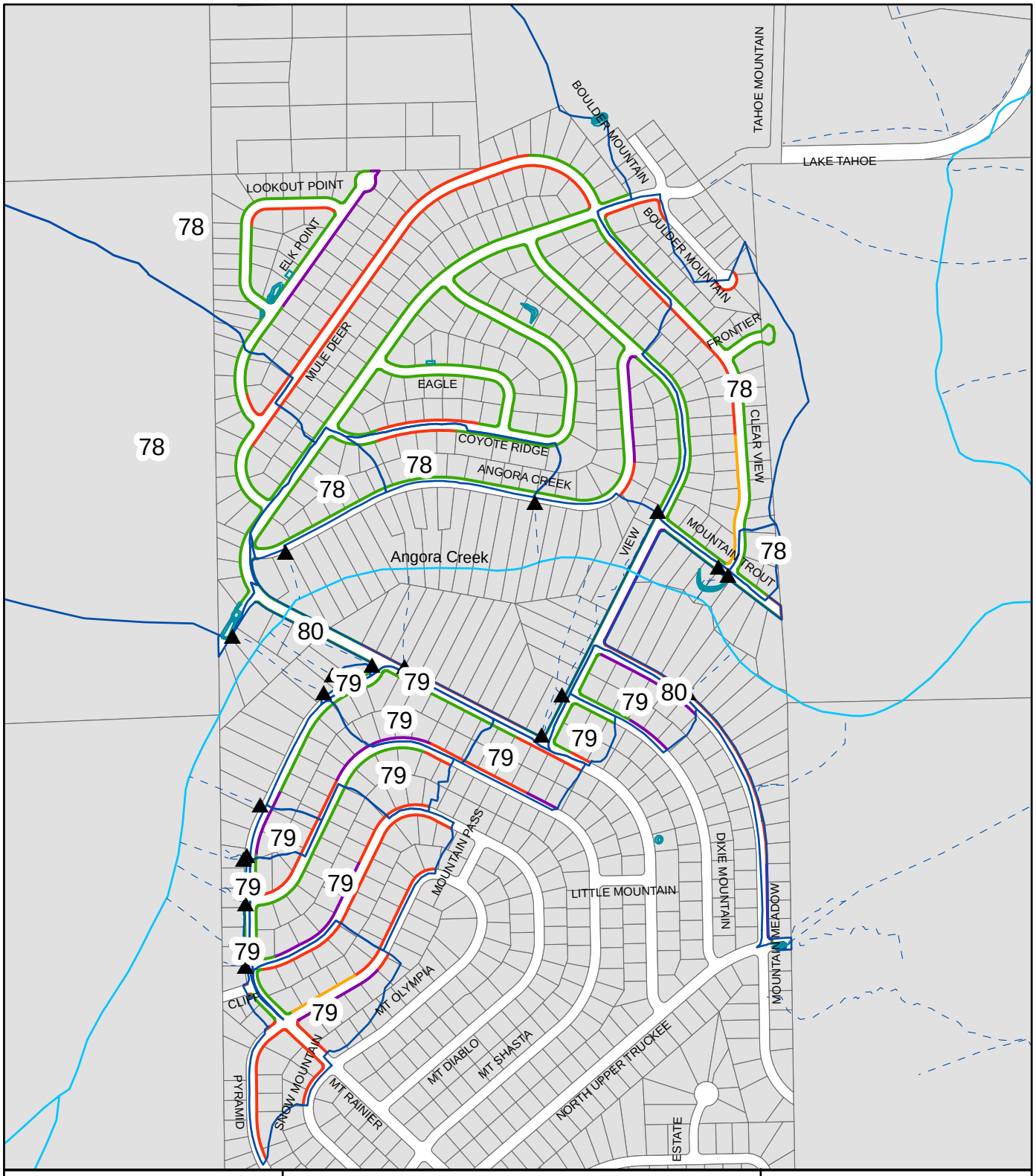
Angora
UPC 78 - 80

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

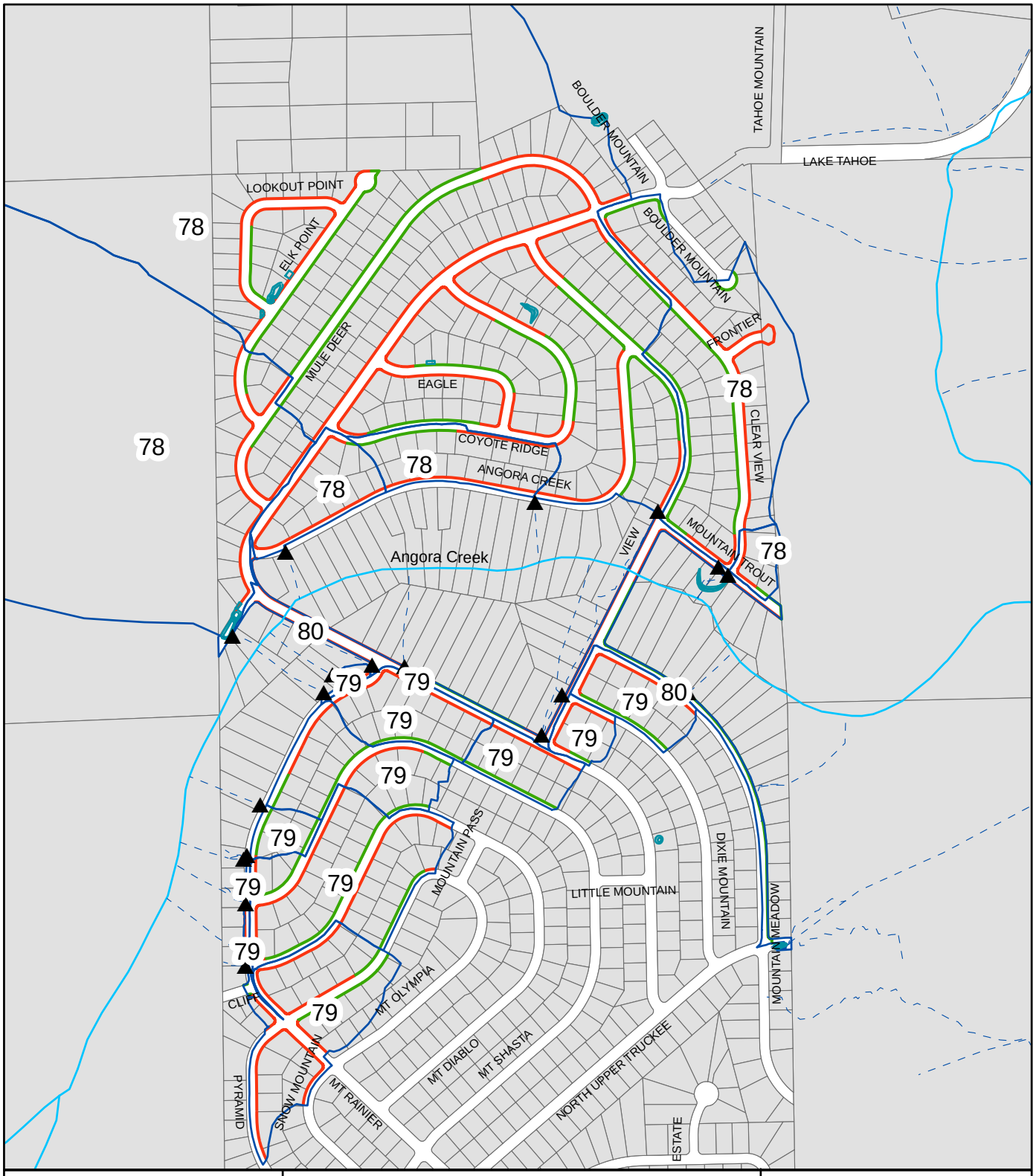
Angora
UPC 78 - 80

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

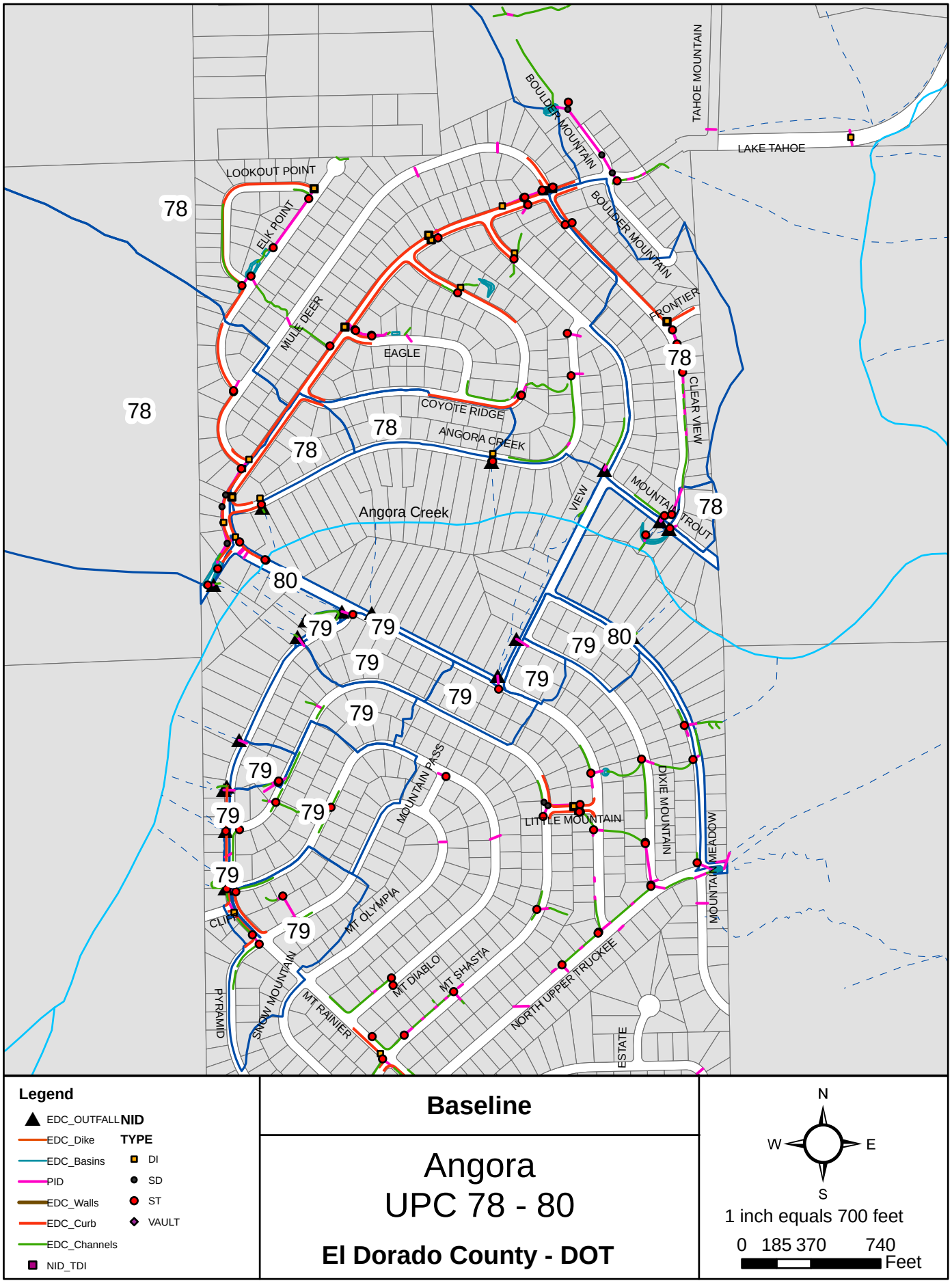
Angora
UPC 78 - 80

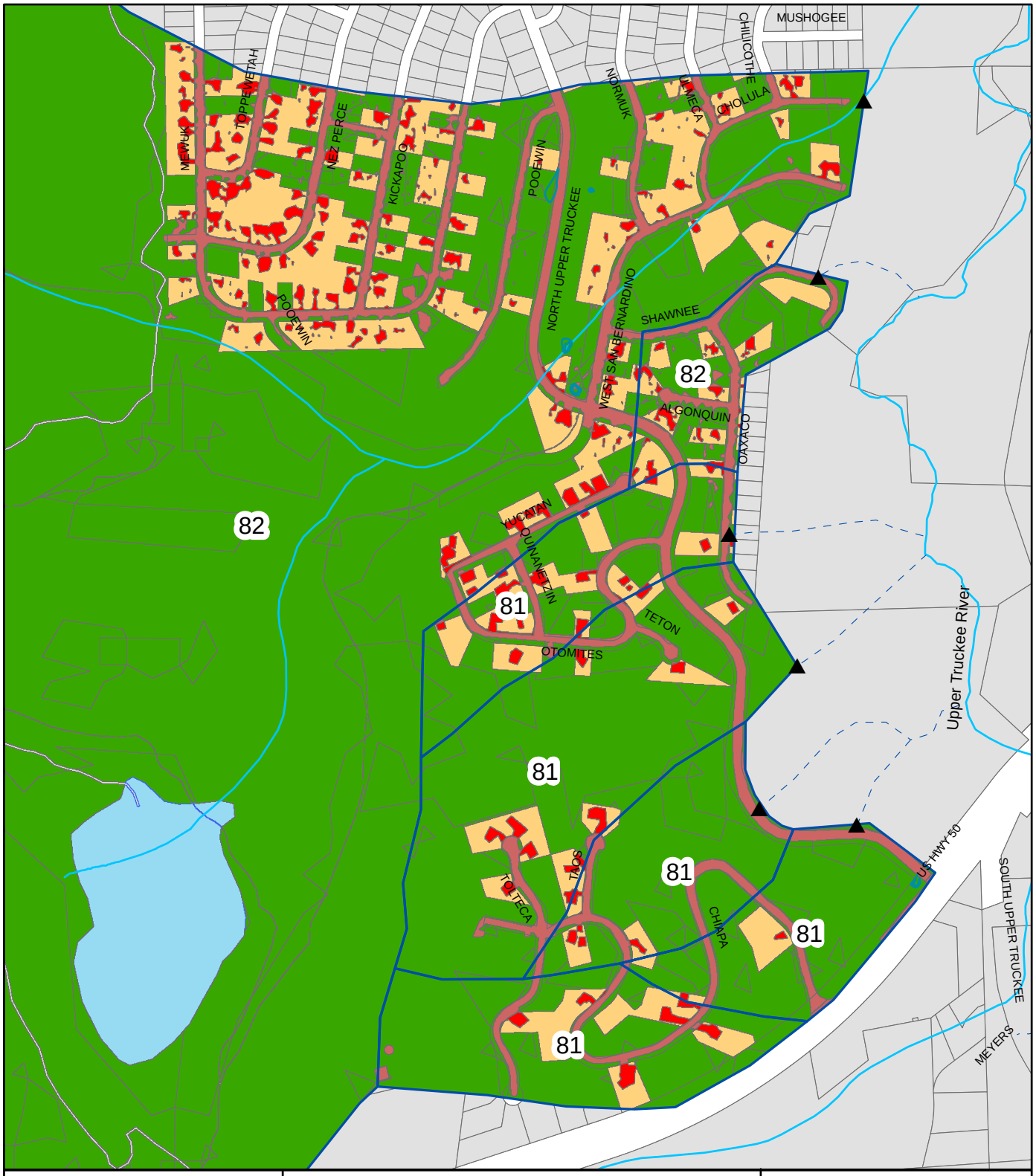
El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800 Feet


TAHOE MOUNTAIN
LAKE TAHOE
BOULDER MOUNTAIN
LOOKOUT POINT
ELK POINT
MULE DEER
EAGLE
COYOTE RIDGE
ANGORA CREEK
Angora Creek
FRONTIER
CLEAR VIEW
VIEW
MOUNTAIN TROUT
MOUNTAIN PASS
LITTLE MOUNTAIN
DIXIE MOUNTAIN
MOUNTAIN MEADOW
MT OLYMPIA
MT DIABLO
MT SHASTA
MT RAINIER
SNOW MOUNTAIN
PYRAMID
NORTH UPPER TRUCKEE
ESTATE
78
79
80
Legend
EDC_OUTFALL
EDC_Dike
EDC_Basins
PID
EDC_Walls
EDC_Curb
EDC_Channels
NID_TDI
NID
TYPE
DI
SD
ST
VAULT
Baseline
Angora
UPC 78 - 80
El Dorado County - DOT
N
W
E
S
1 inch equals 700 feet
0 185 370 740
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

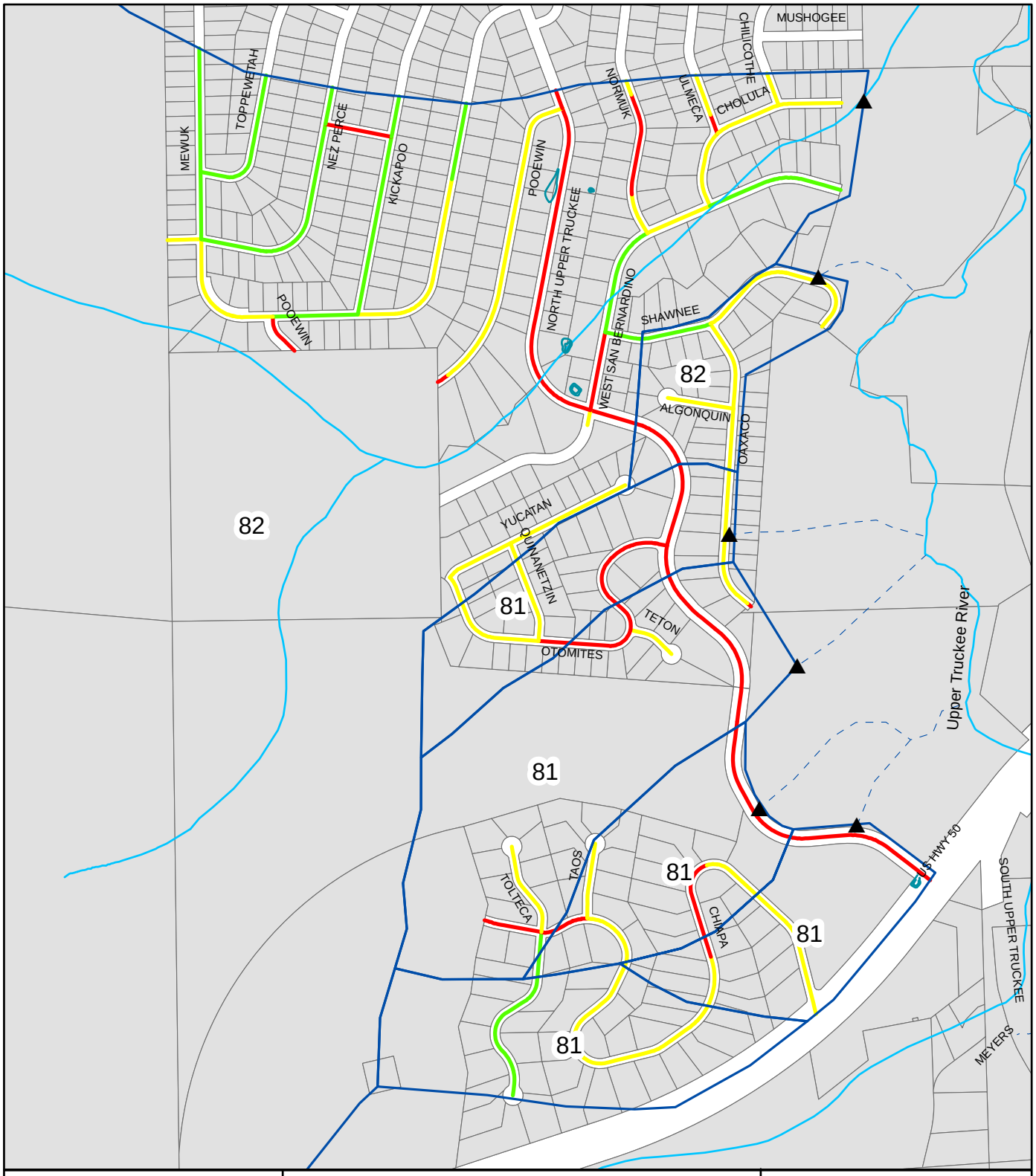
NUT
UPC 81 and 82

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

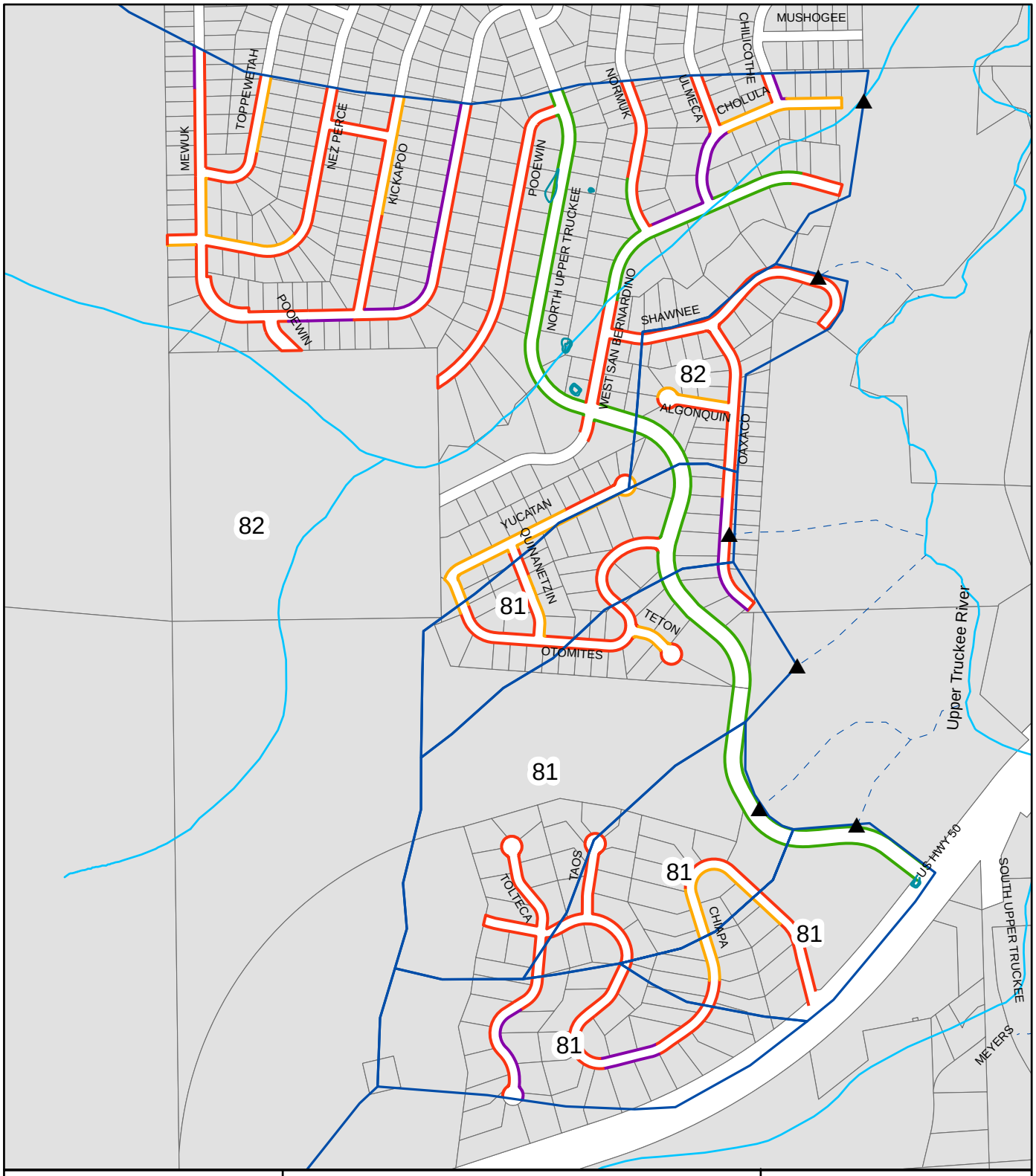
NUT
UPC 81 and 82

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

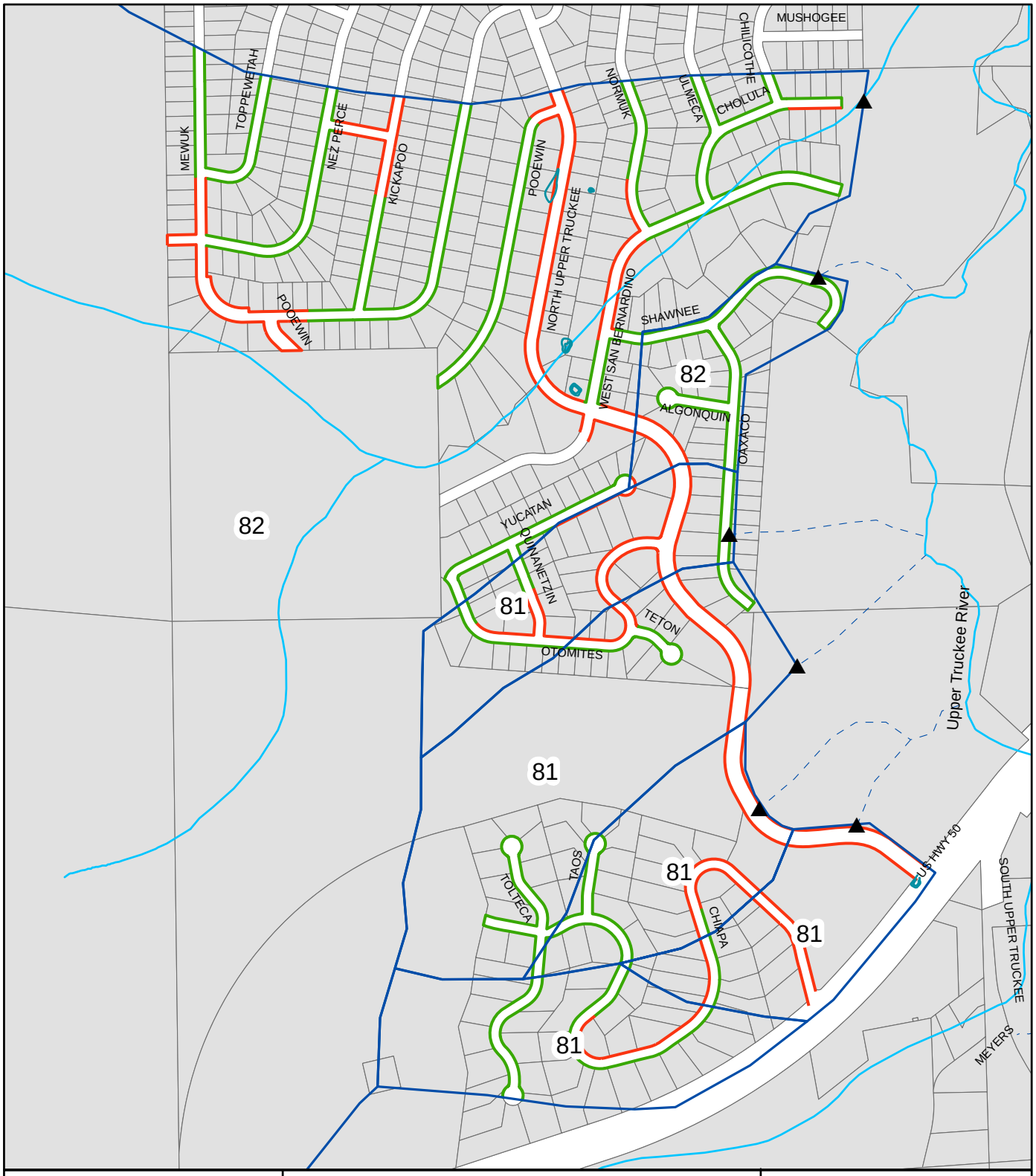
NUT
UPC 81 and 82

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

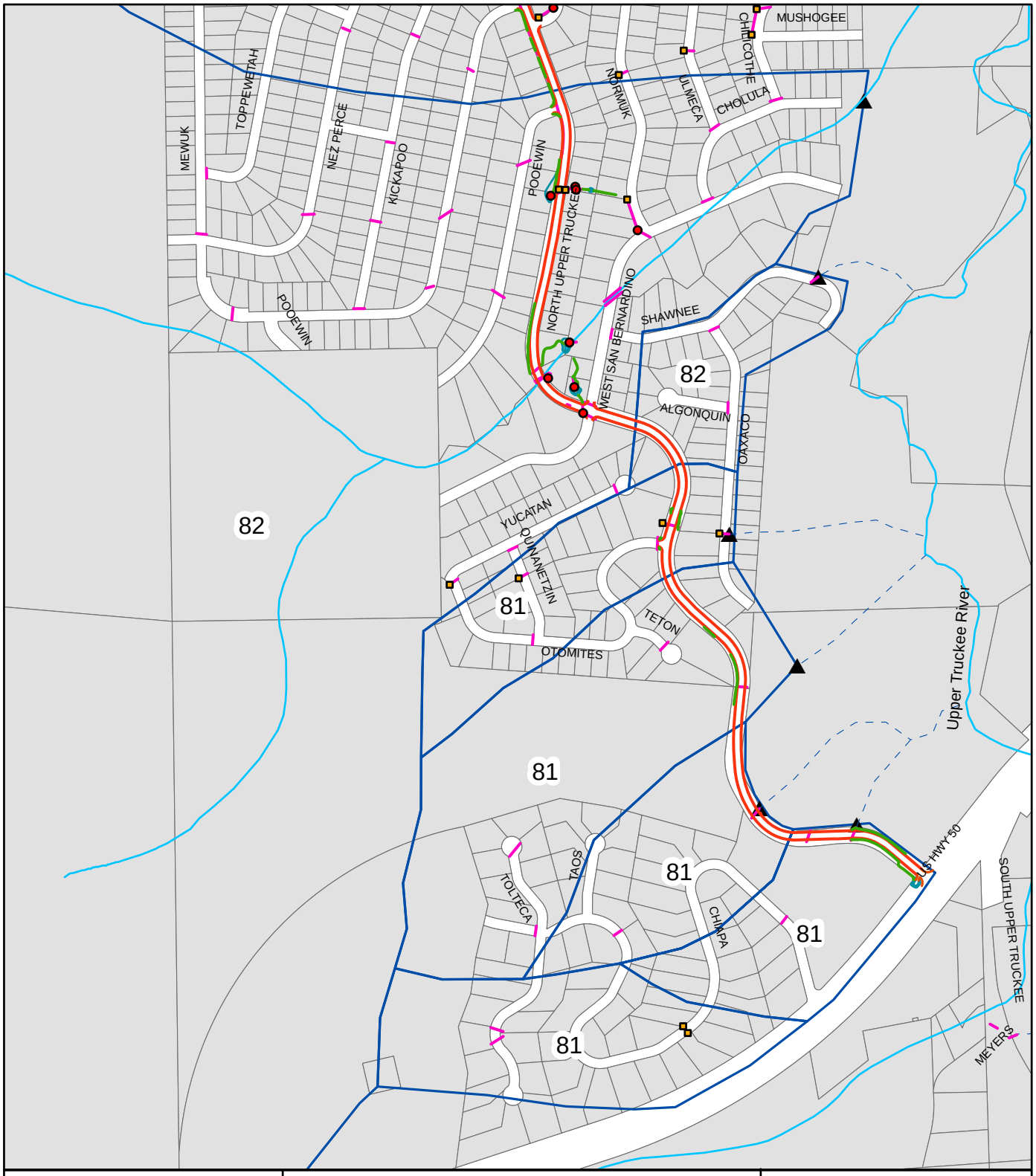
NUT
UPC 81 and 82

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 200 400 800
Feet



Legend

- EDC_OUTFALL
- EDC_Dike
- PID
- EDC_Basins
- EDC_Walls
- EDC_Curb
- EDC_Channels
- NID_TDI

NID

TYPE

- DI
- SD
- ST
- VAULT
- EDC_AcDitch

Baseline

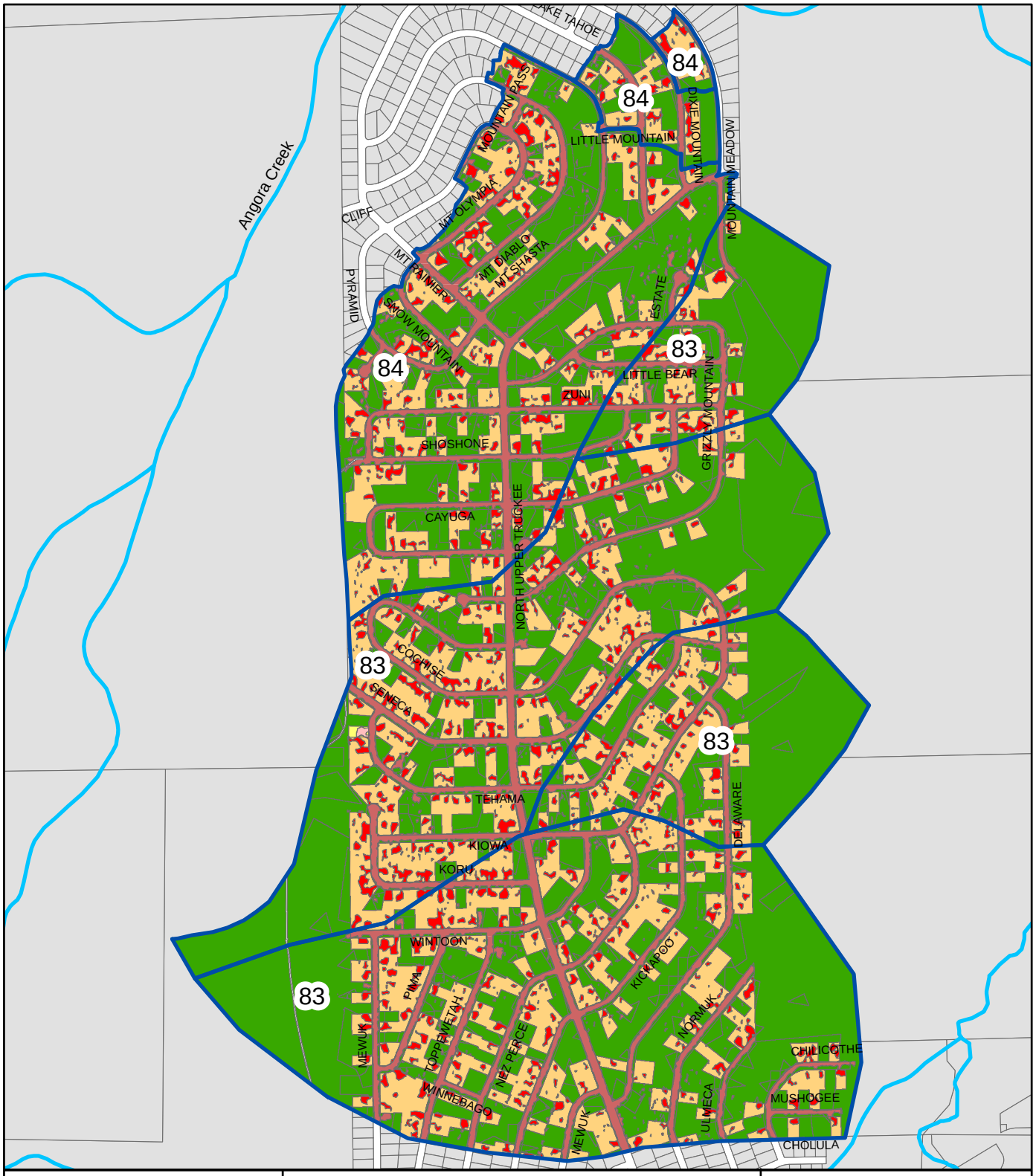
NUT
UPC 81 - 82

El Dorado County - DOT

N
W E
S

1 inch equals 700 feet

0 175 350 700 Feet



Legend

Landuse

- SFR-P
- MFR-P
- CICU-P
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

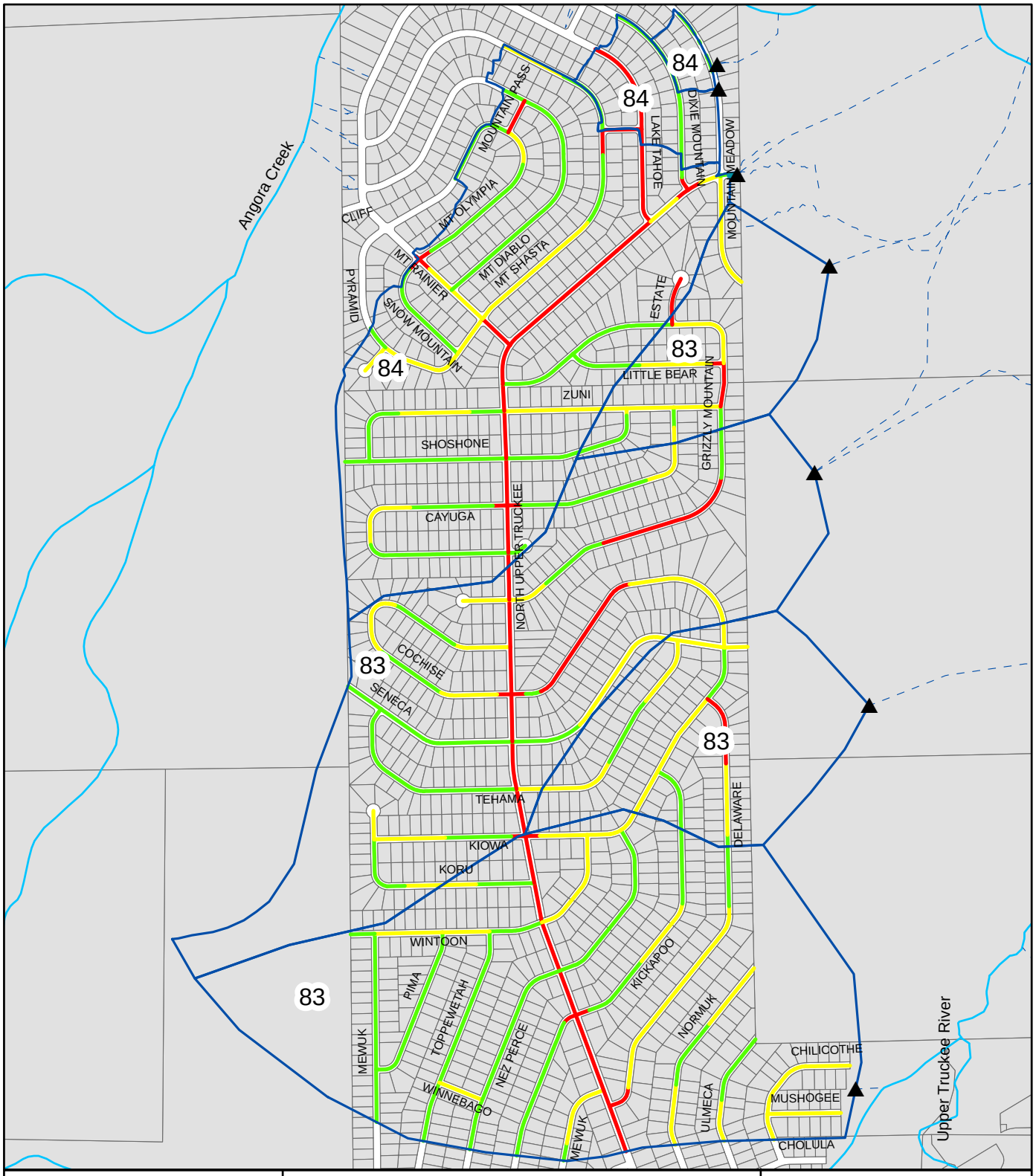
NUT
UPC 83 - 84

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

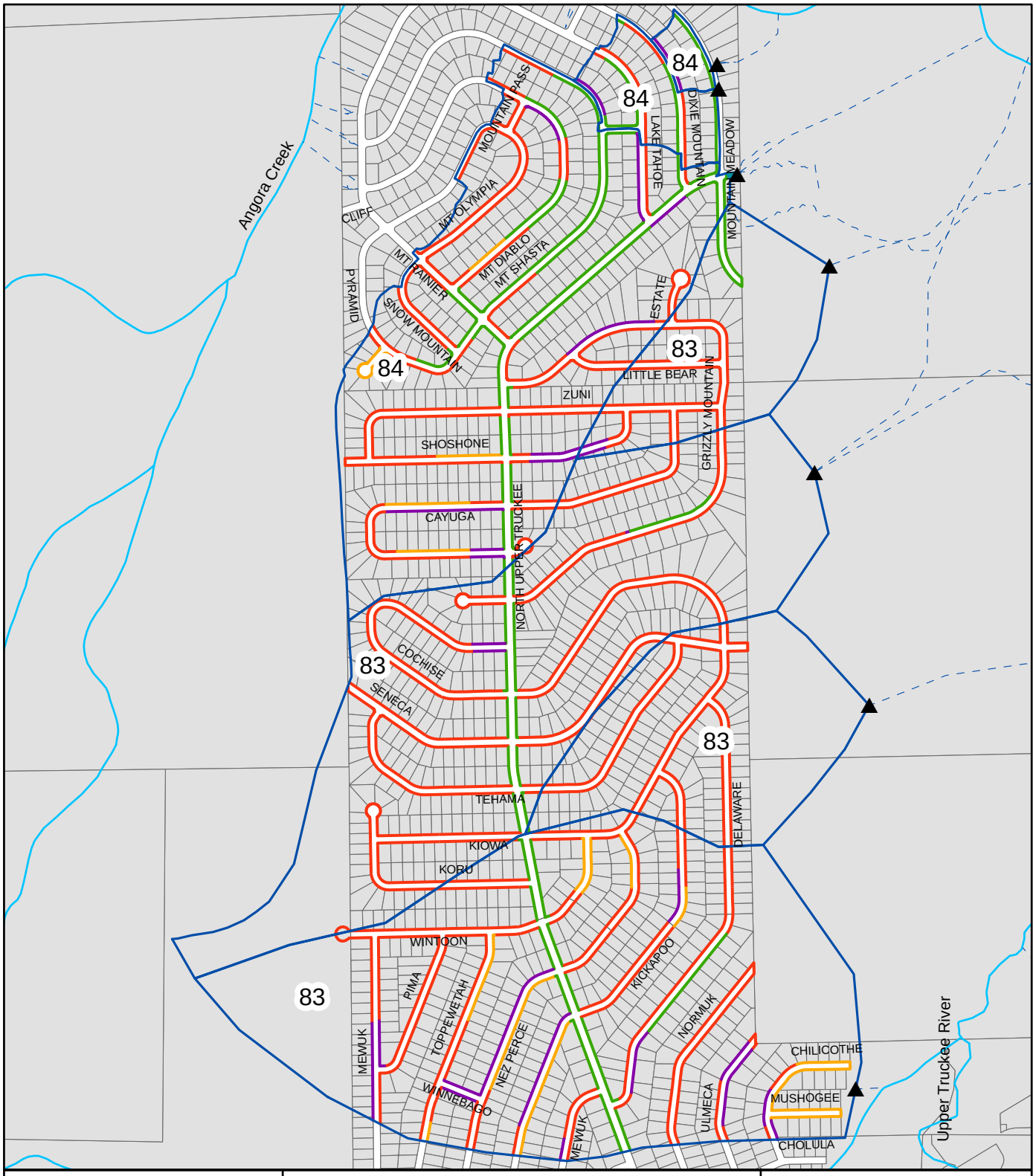
NUT
UPC 83 - 84

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

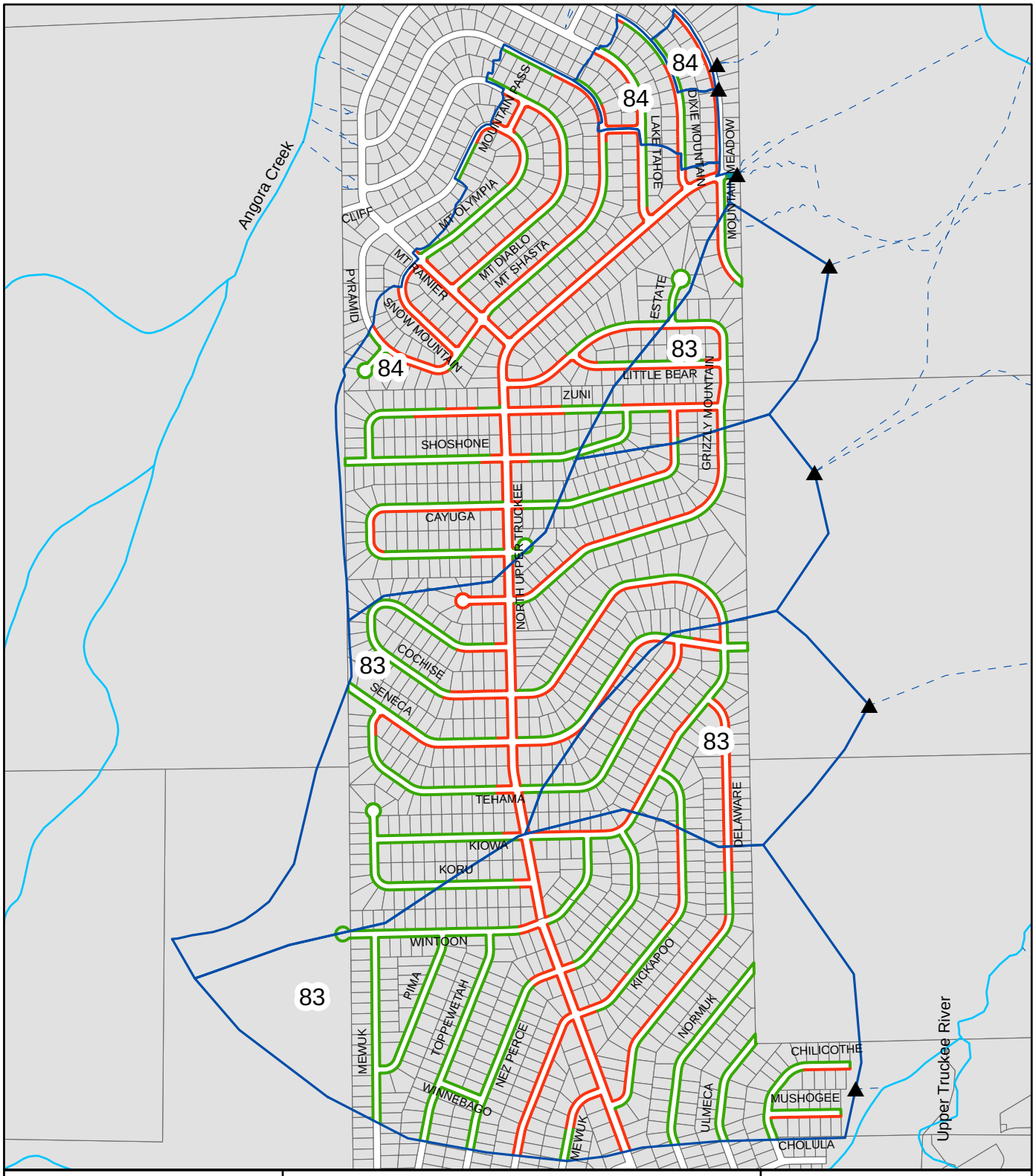
NUT
UPC 83 - 84

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

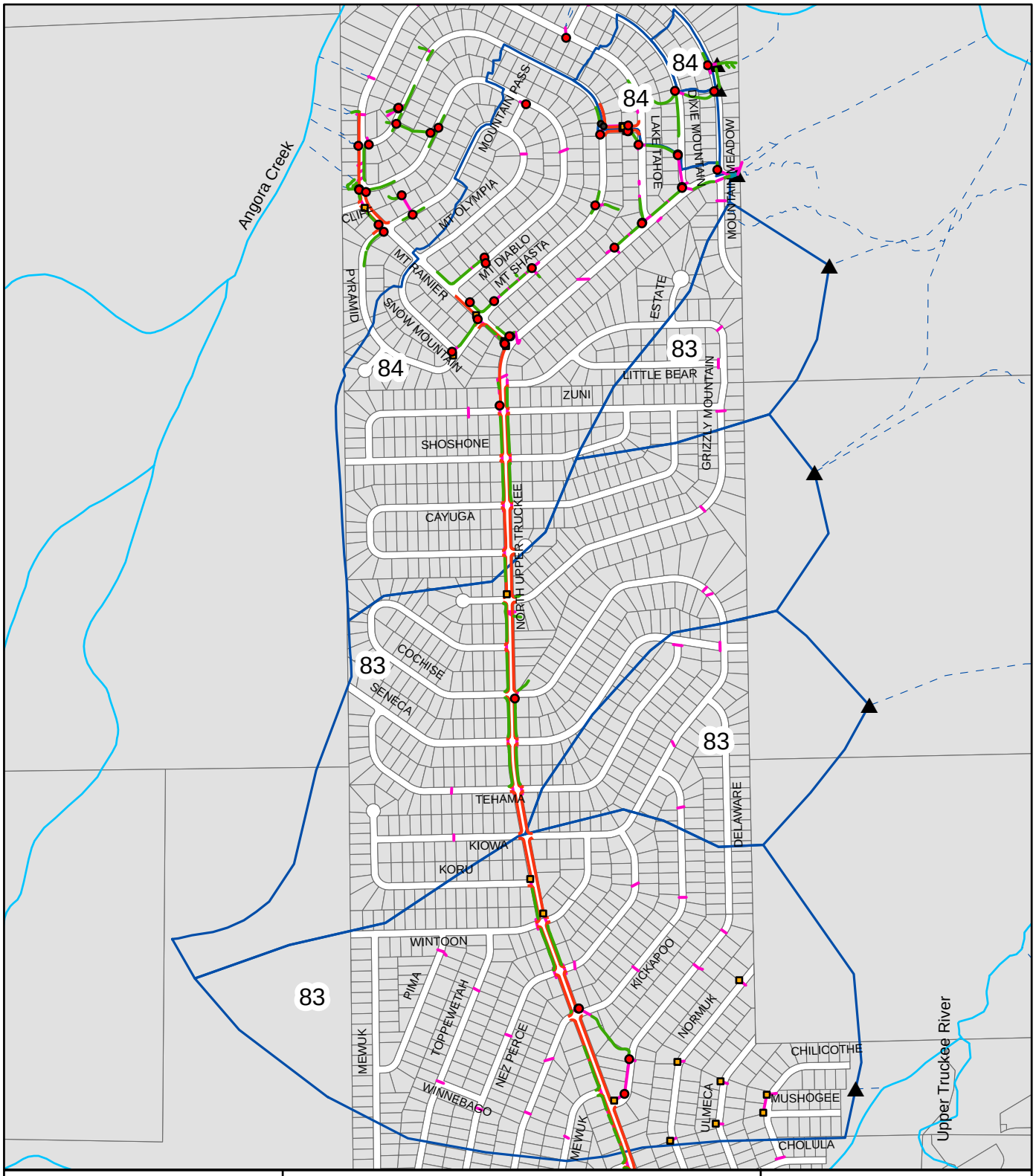
NUT
UPC 83 - 84

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Dike
- PID
- EDC_Basins
- EDC_Walls
- EDC_Curb
- EDC_Channels
- NID_TDI

NID

TYPE

- DI
- SD
- ST
- VAULT
- EDC_AcDitch

Baseline

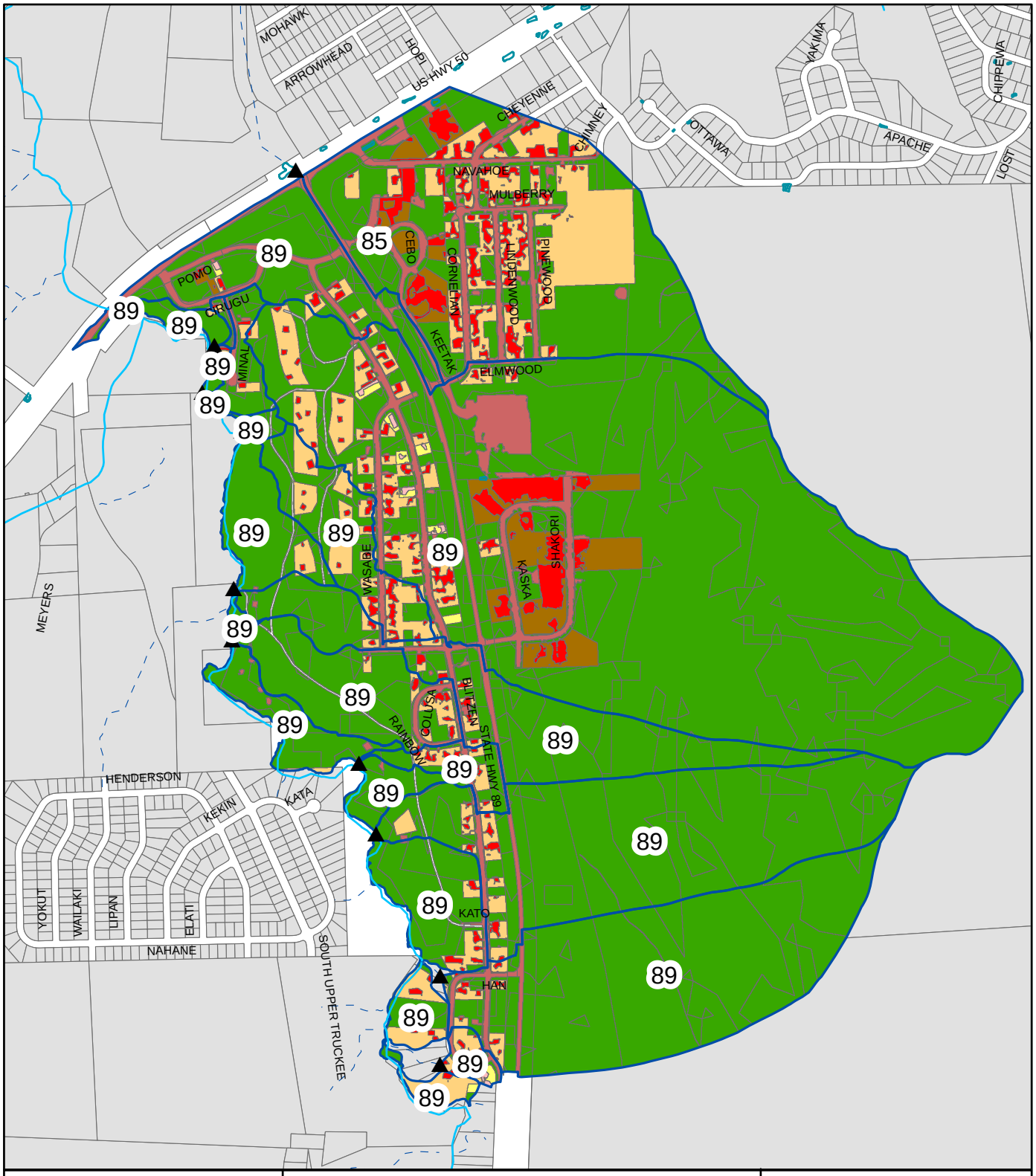
NUT
UPC 83 - 84

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-

Baseline

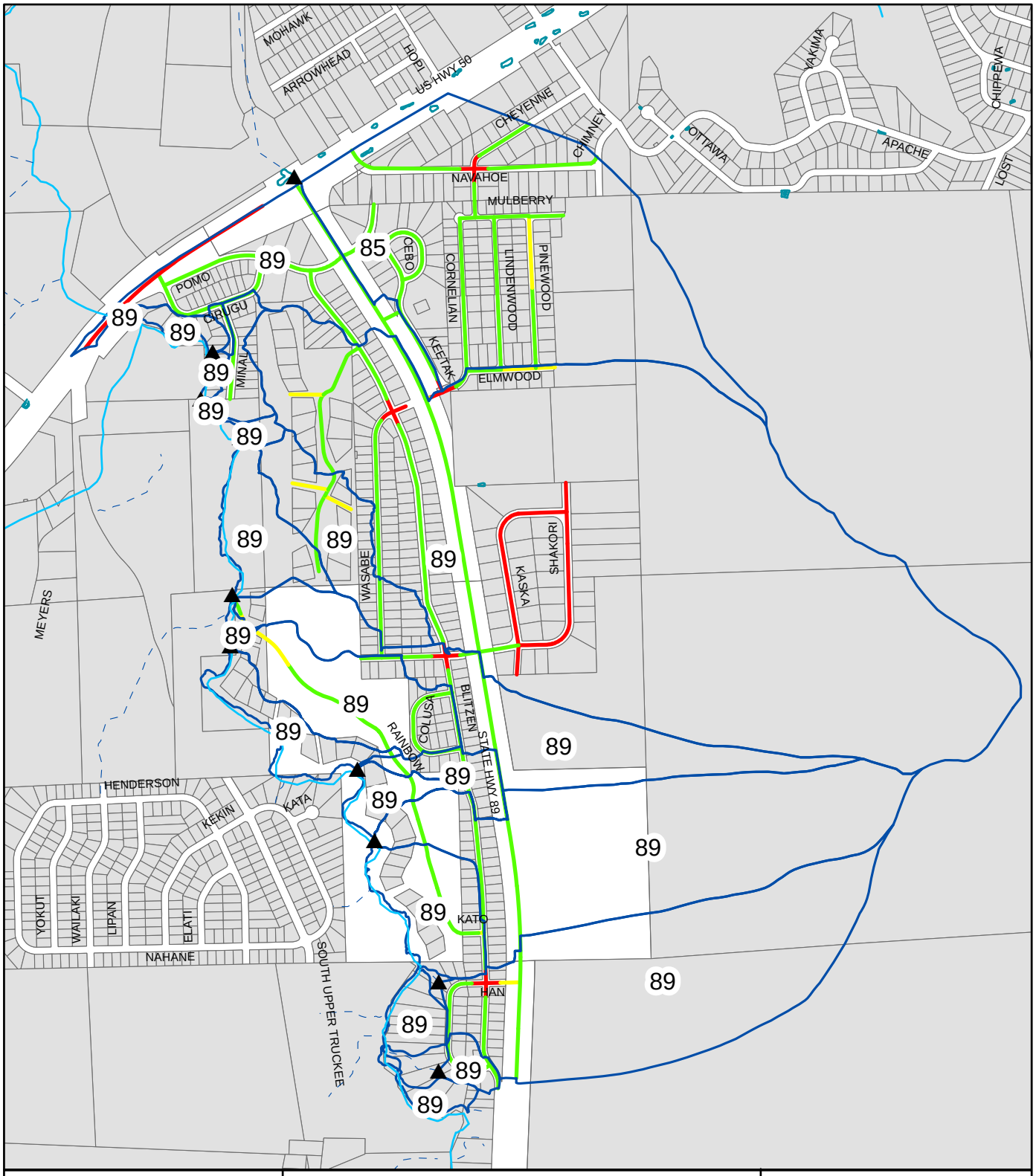
Christmas Valley 2
UPC 85 and 89

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

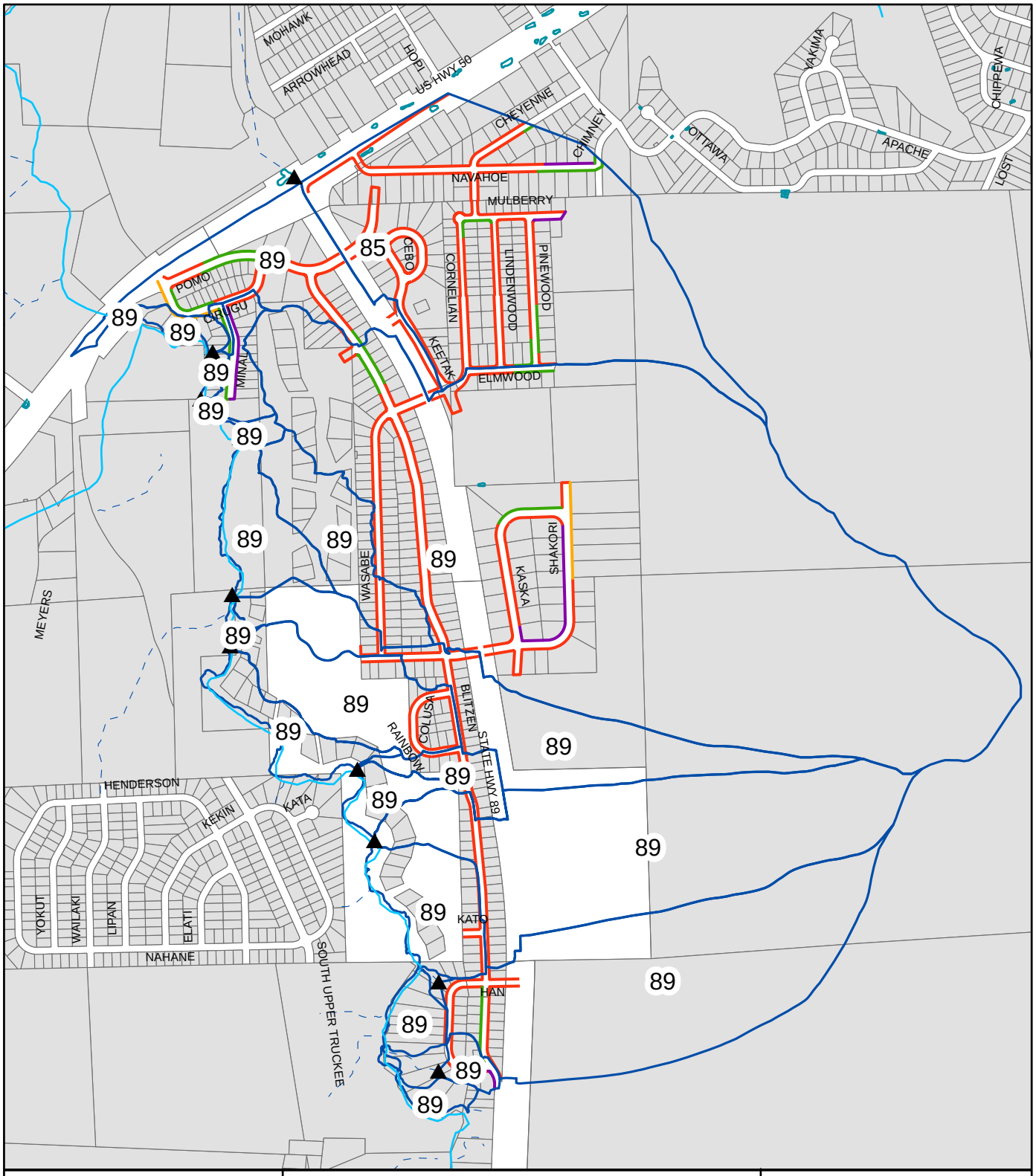
Christmas Valley 2
UPC 85 and 89

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

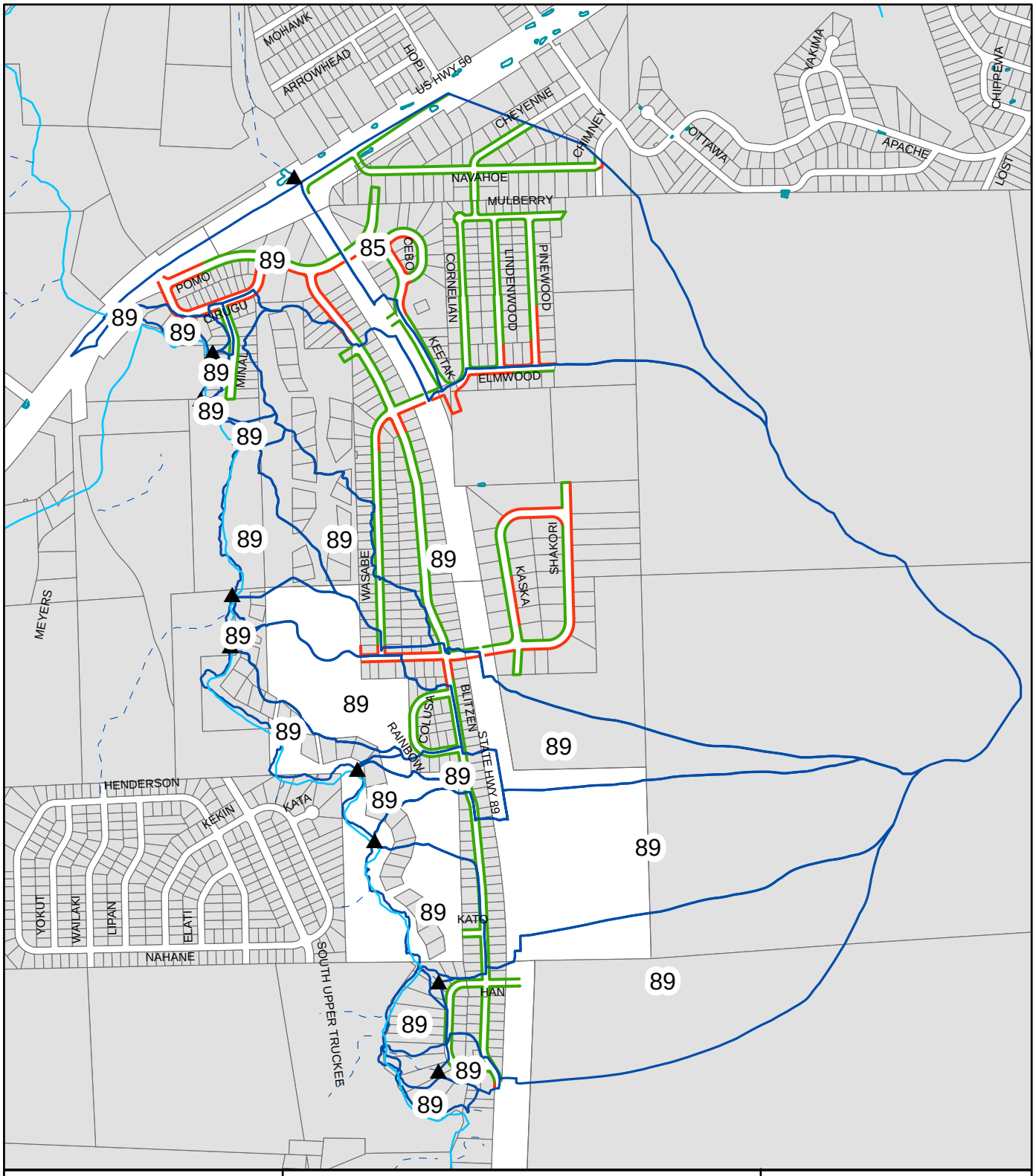
Christmas Valley 2
UPC 85 and 89

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

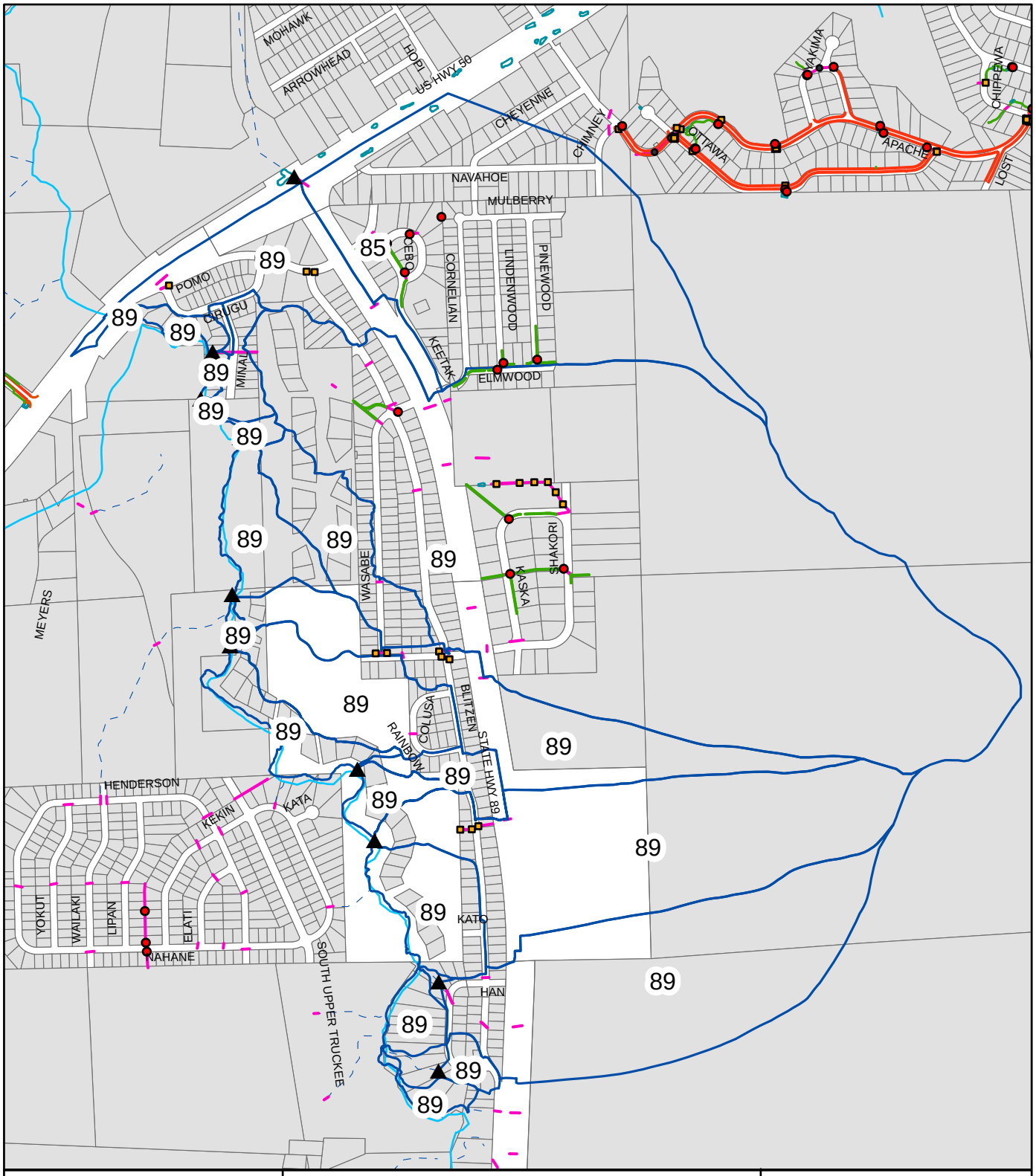
Christmas Valley 2
UPC 85 and 89

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

EDC_OUTFALL	**NID**	
PID	**TYPE**	
EDC_Basins	DI	
EDC_Walls	SD	
EDC_Dike	ST	
EDC_Curb	VAULT	
EDC_Channels	NID_TDI	
EDC_AcDitch		

Baseline

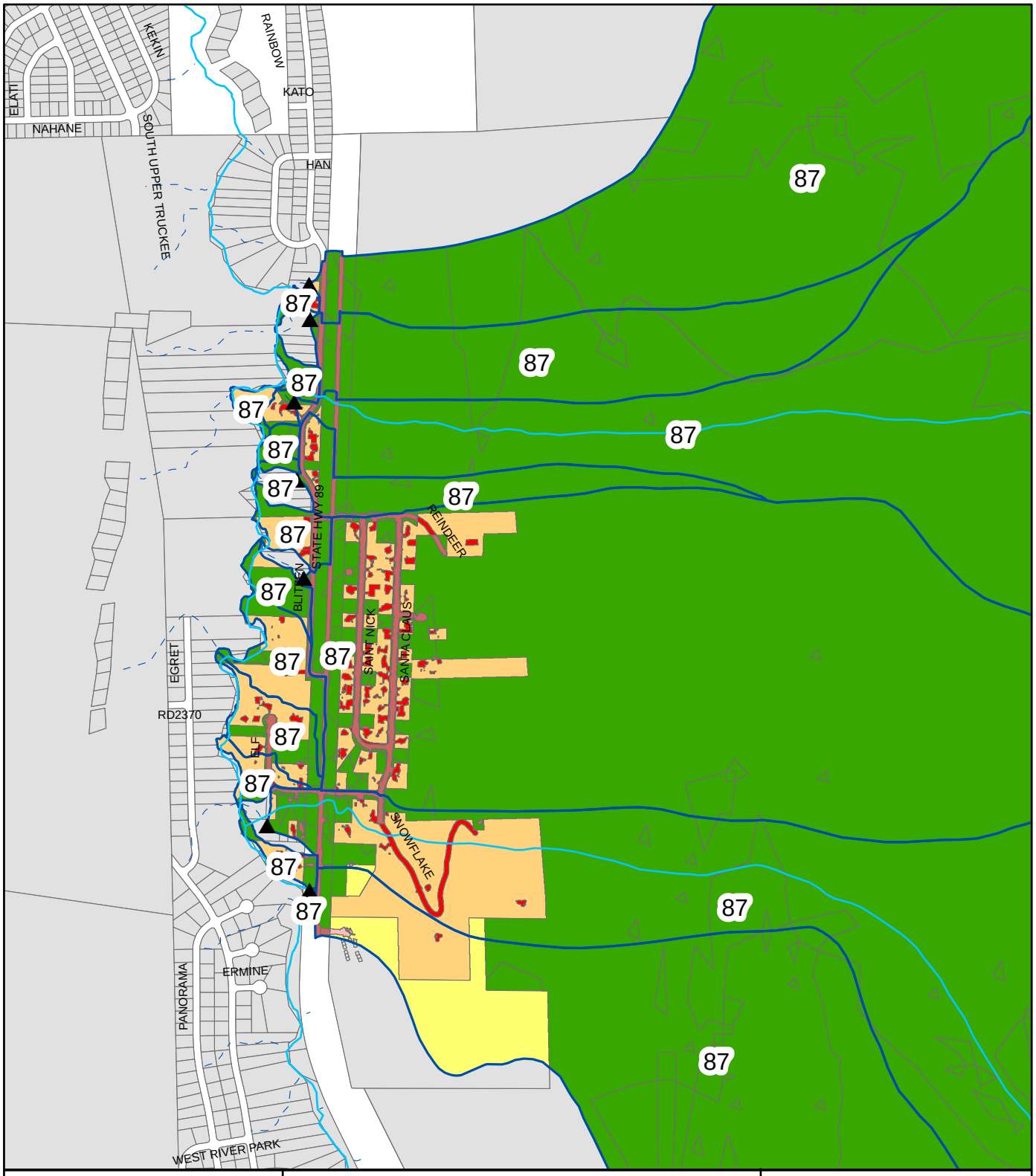
Christmas Valley 2
UPC 85 and 89

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

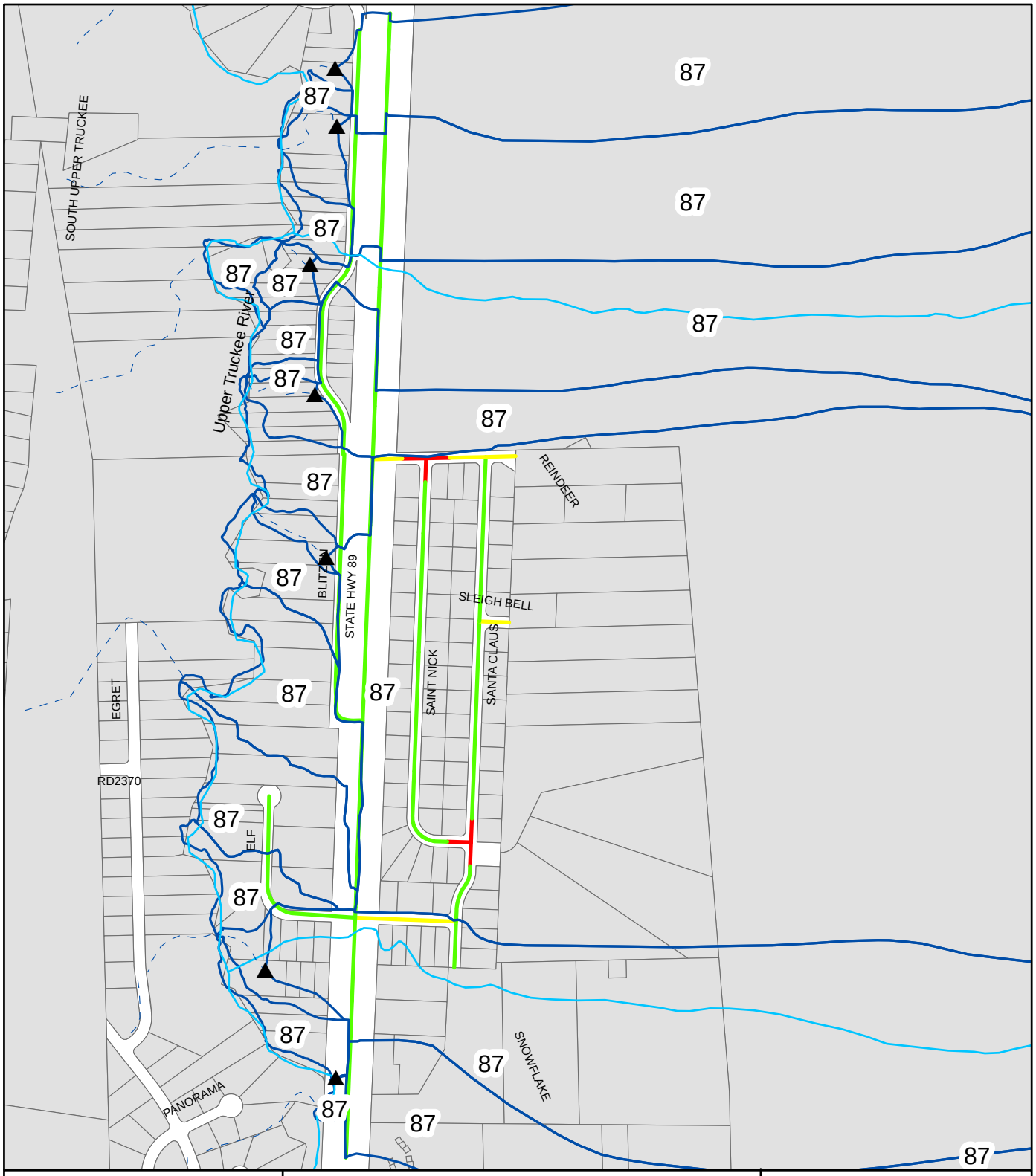
Christmas Valley 2
UPC 87

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

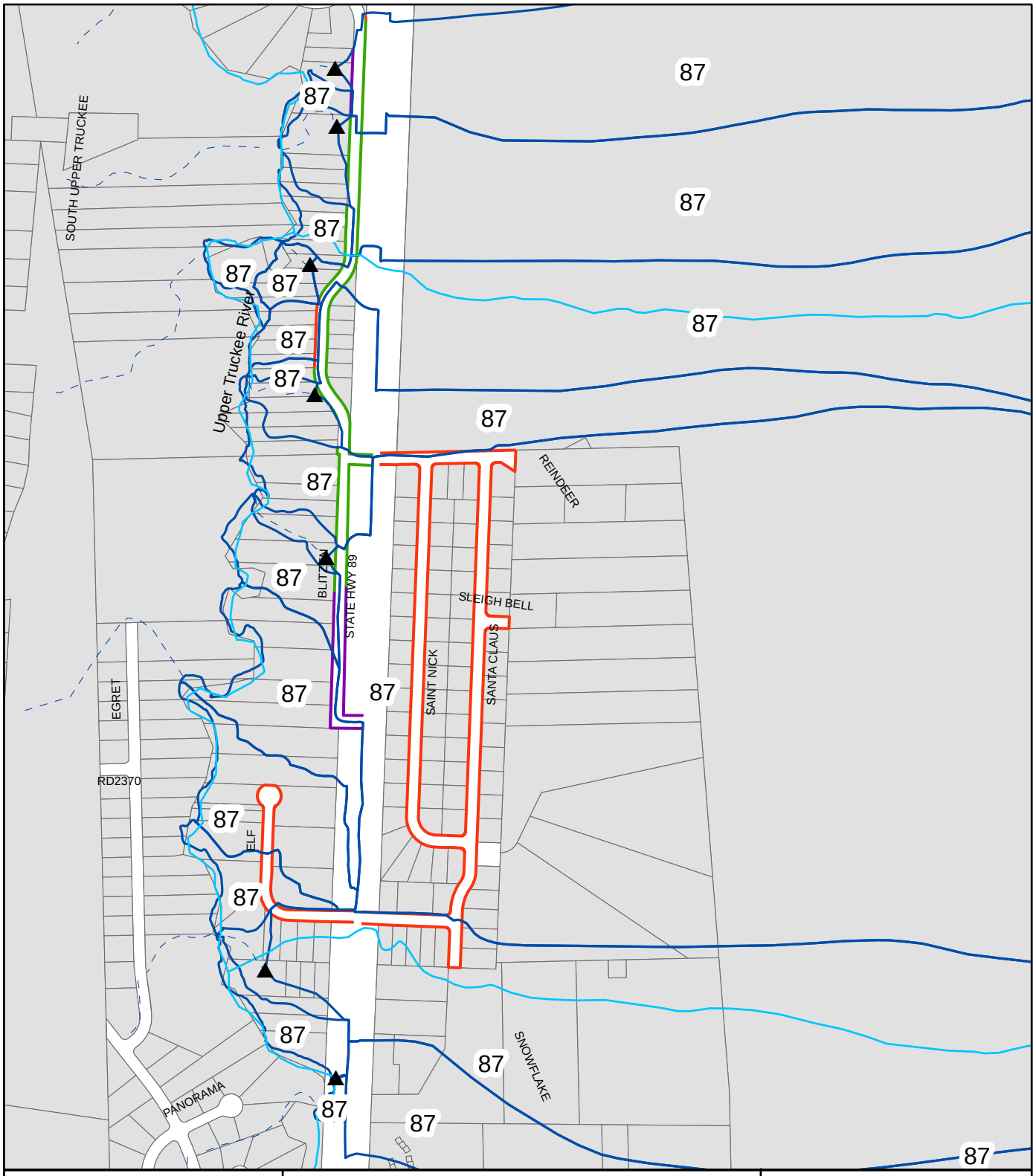
Christmas Valley 2
UPC 87

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 162.5325 650 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

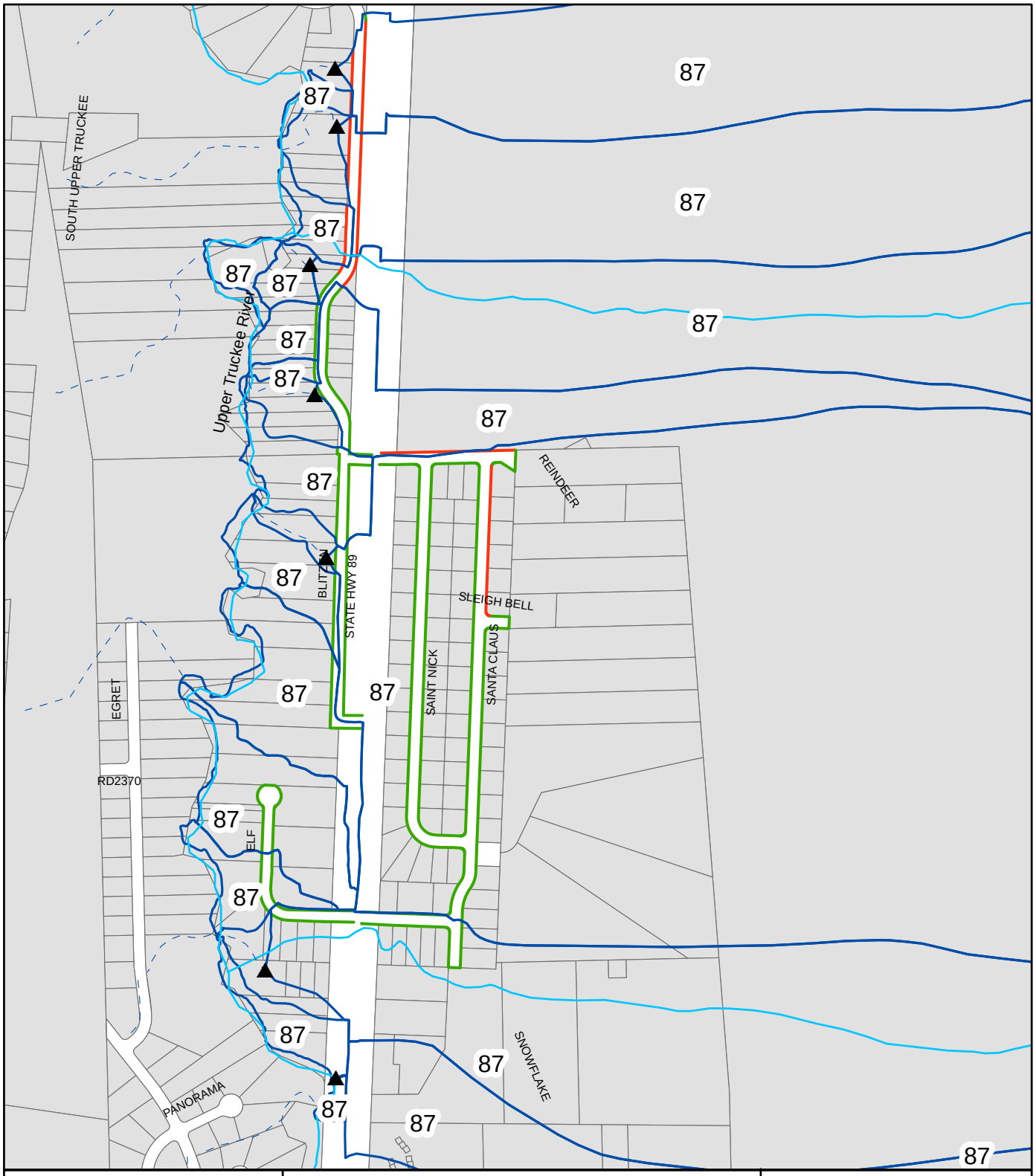
Christmas Valley 2
UPC 87

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 162.5325 650 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

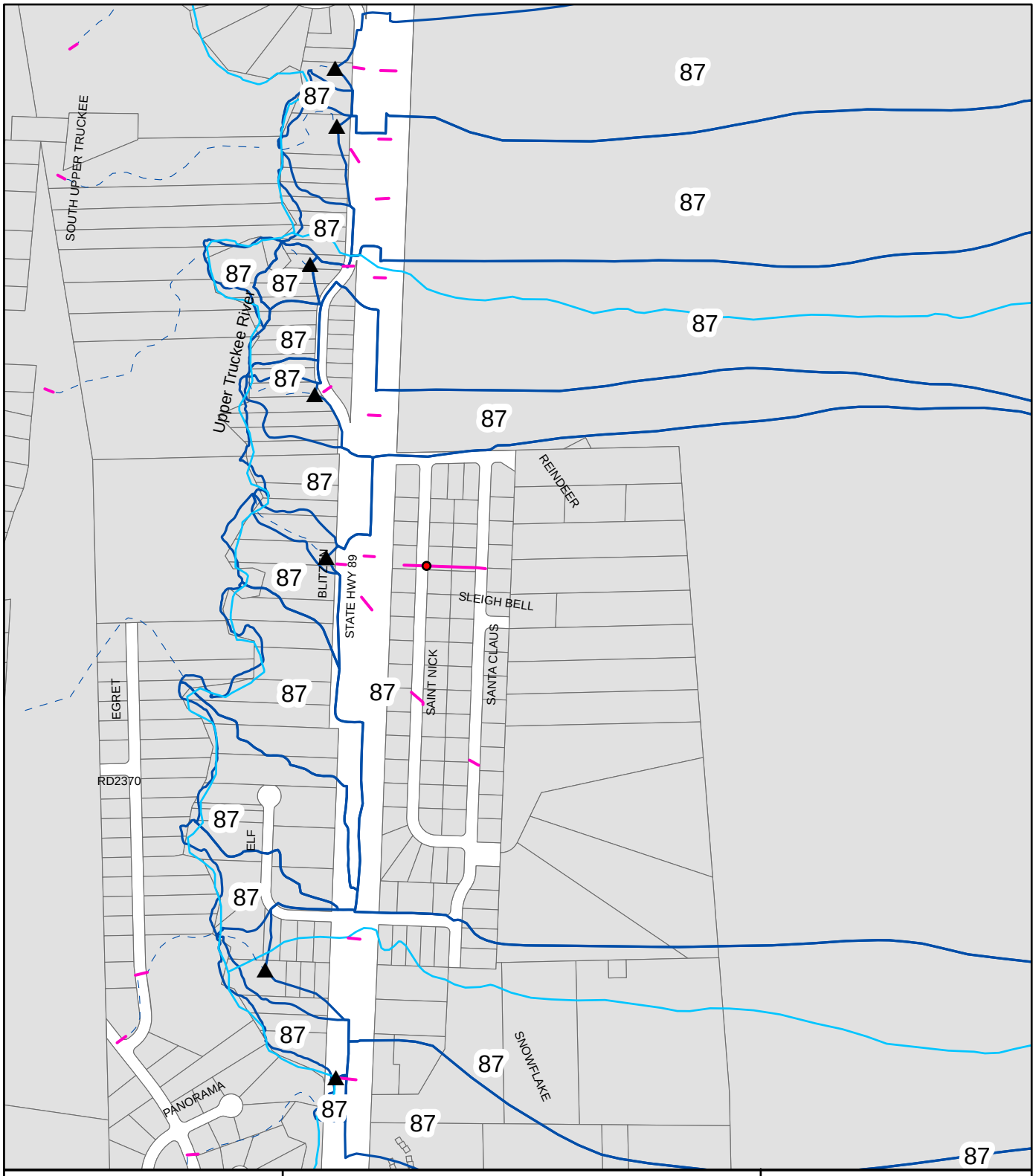
Christmas Valley 2
UPC 87

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 162.5325 650 Feet



Legend

EDC_OUTFALL	**NID**
PID	**TYPE**
EDC_Basins	DI
EDC_Walls	SD
EDC_Dike	ST
EDC_Curb	VAULT
EDC_Channels	NID_TDI
EDC_AcDitch	

Baseline

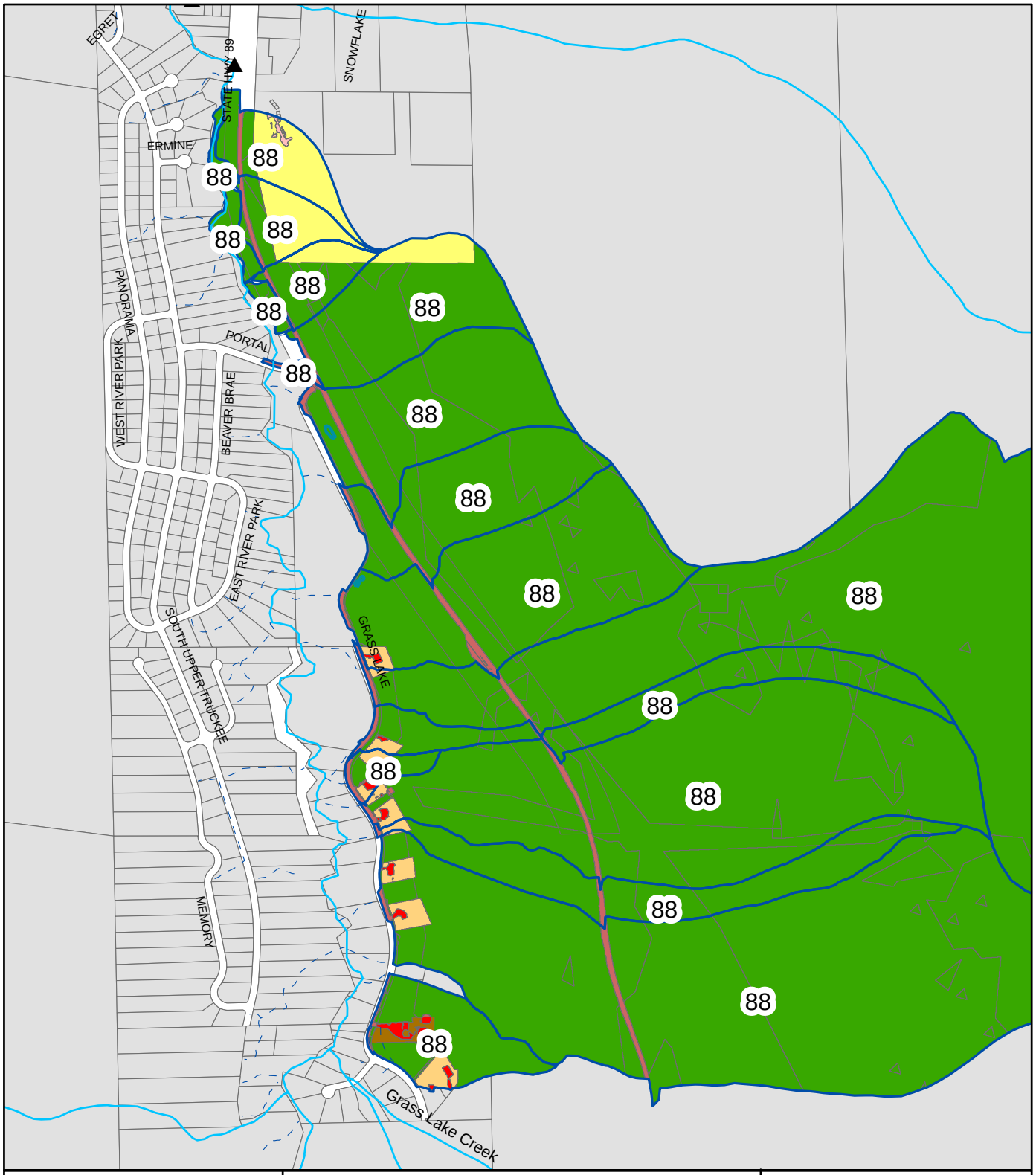
Christmas Valley 2
UPC 87

El Dorado County - DOT

N
W E
S

1 inch equals 600 feet

0 162.5325 650 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

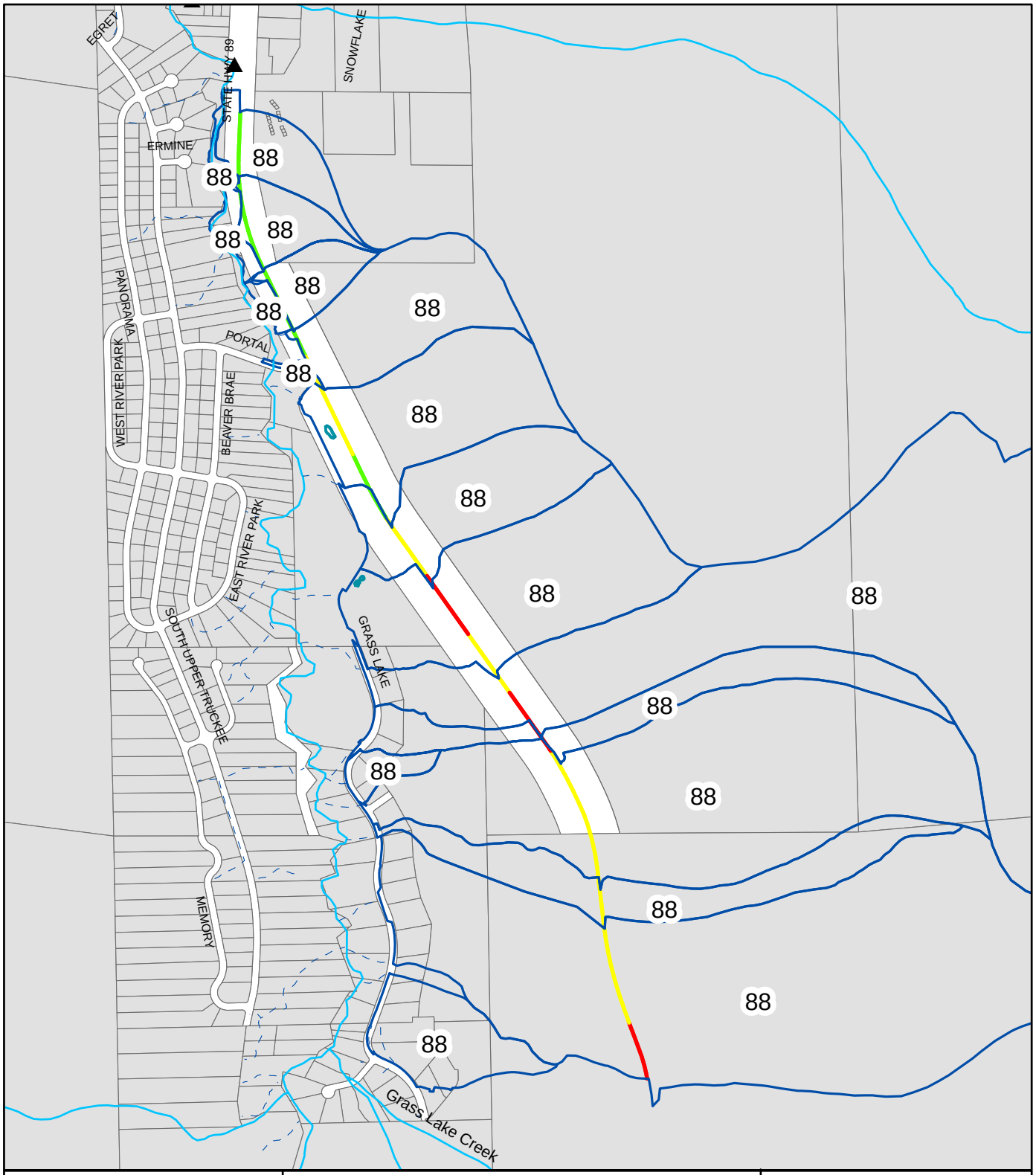
Christmas Valley 1
UPC 88

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

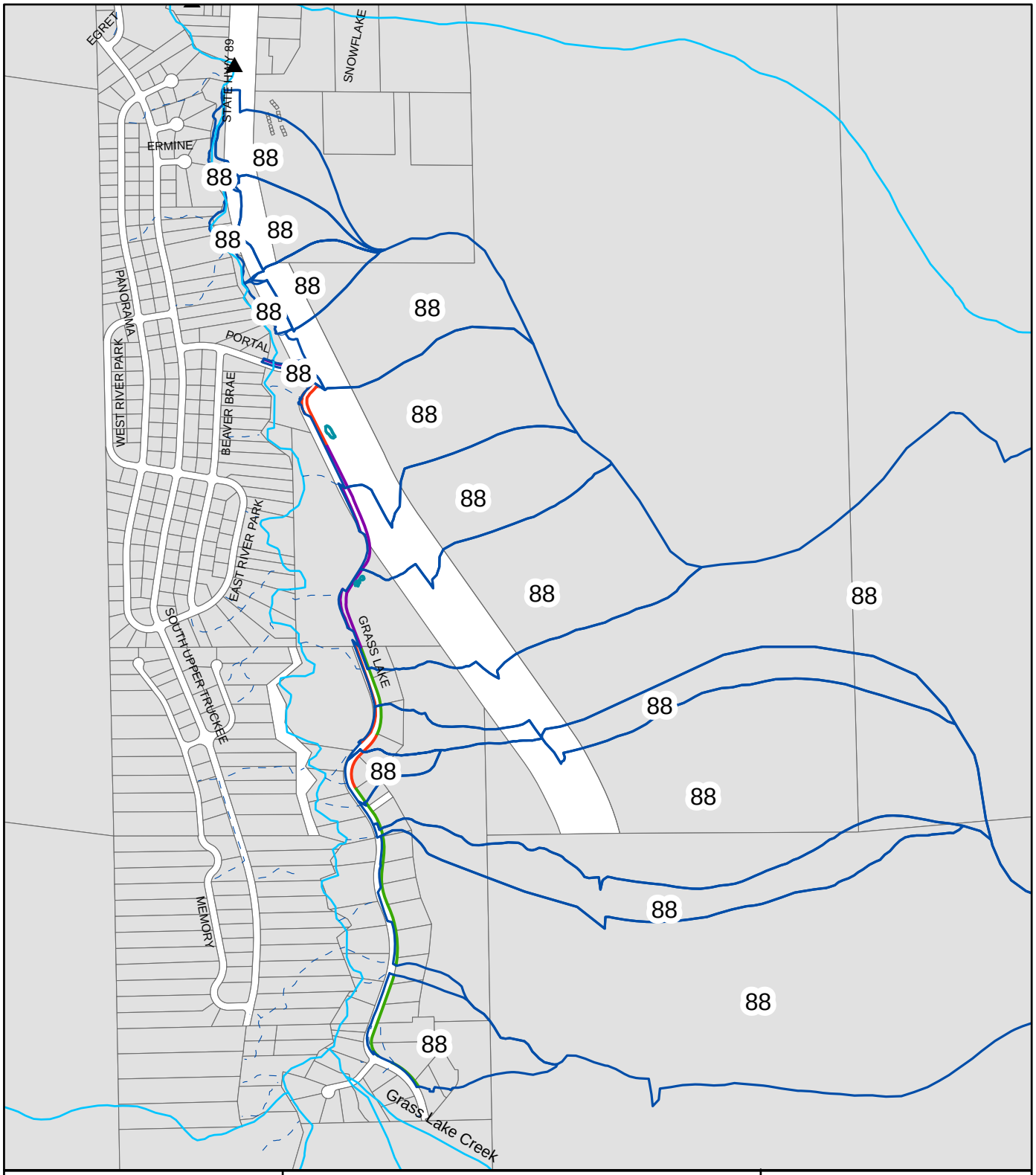
Christmas Valley 1
UPC 88

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

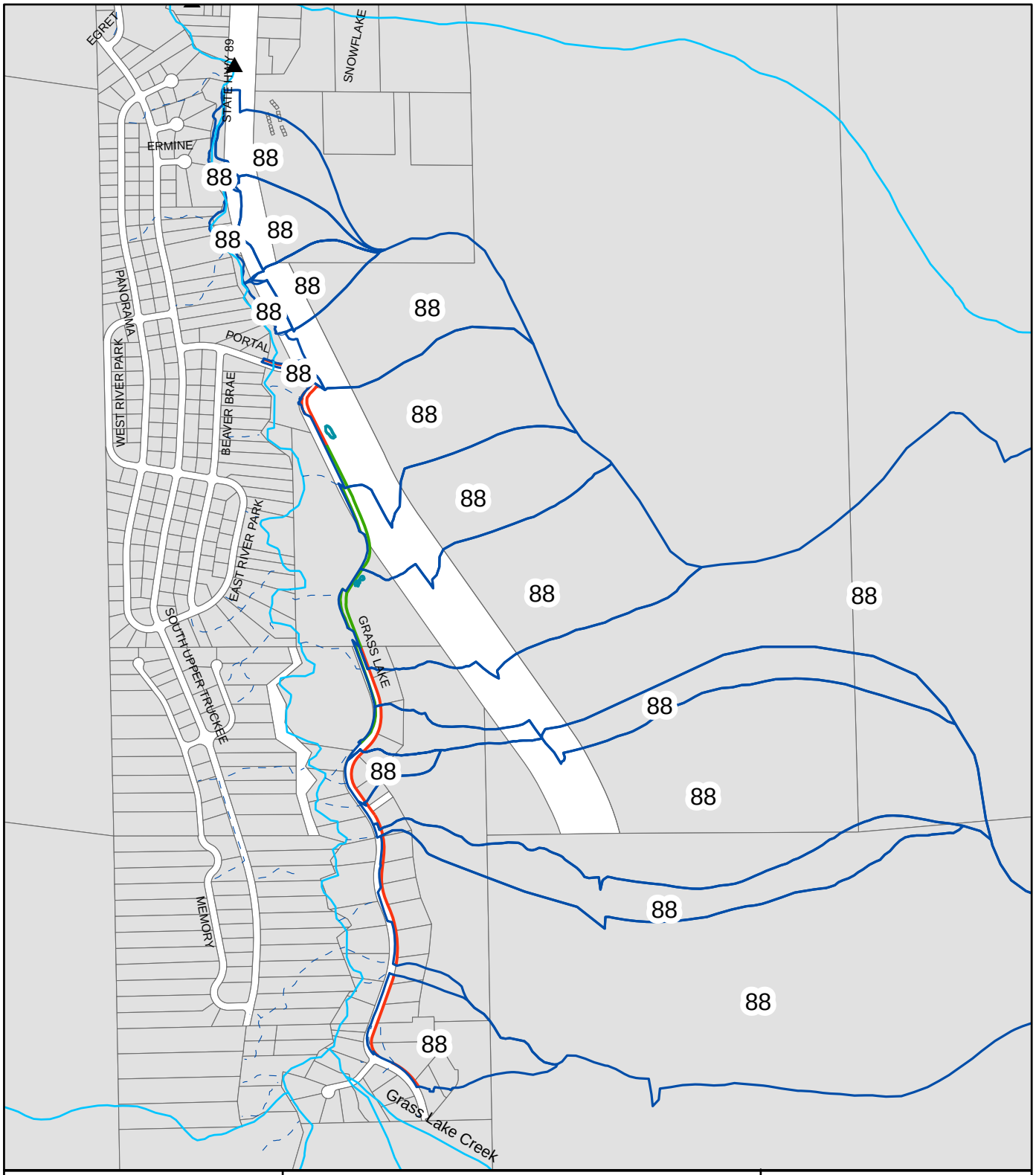
Christmas Valley 1
UPC 88

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

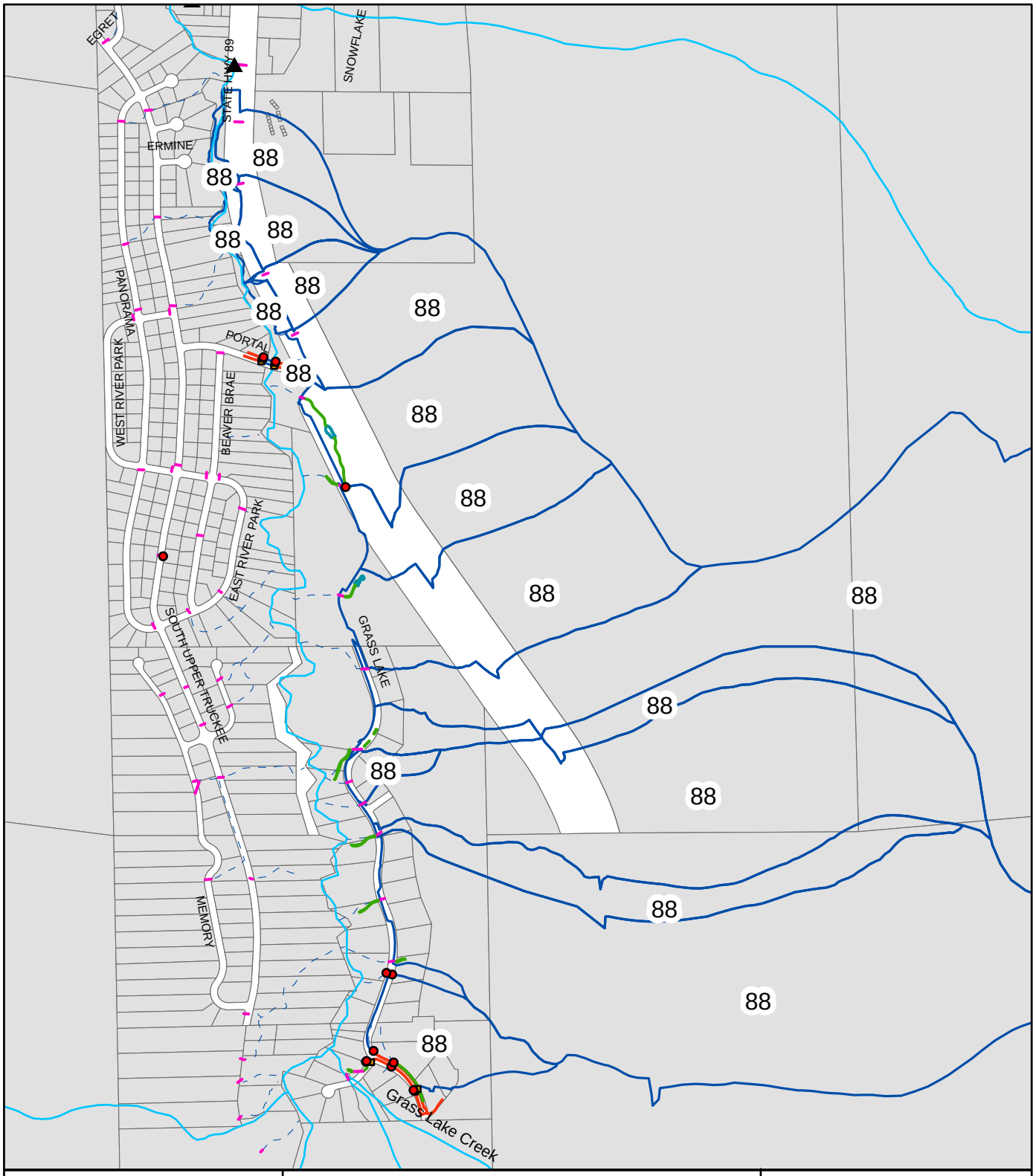
Christmas Valley 1
UPC 88

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- Est. Outfall Flow Path
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch

NID TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

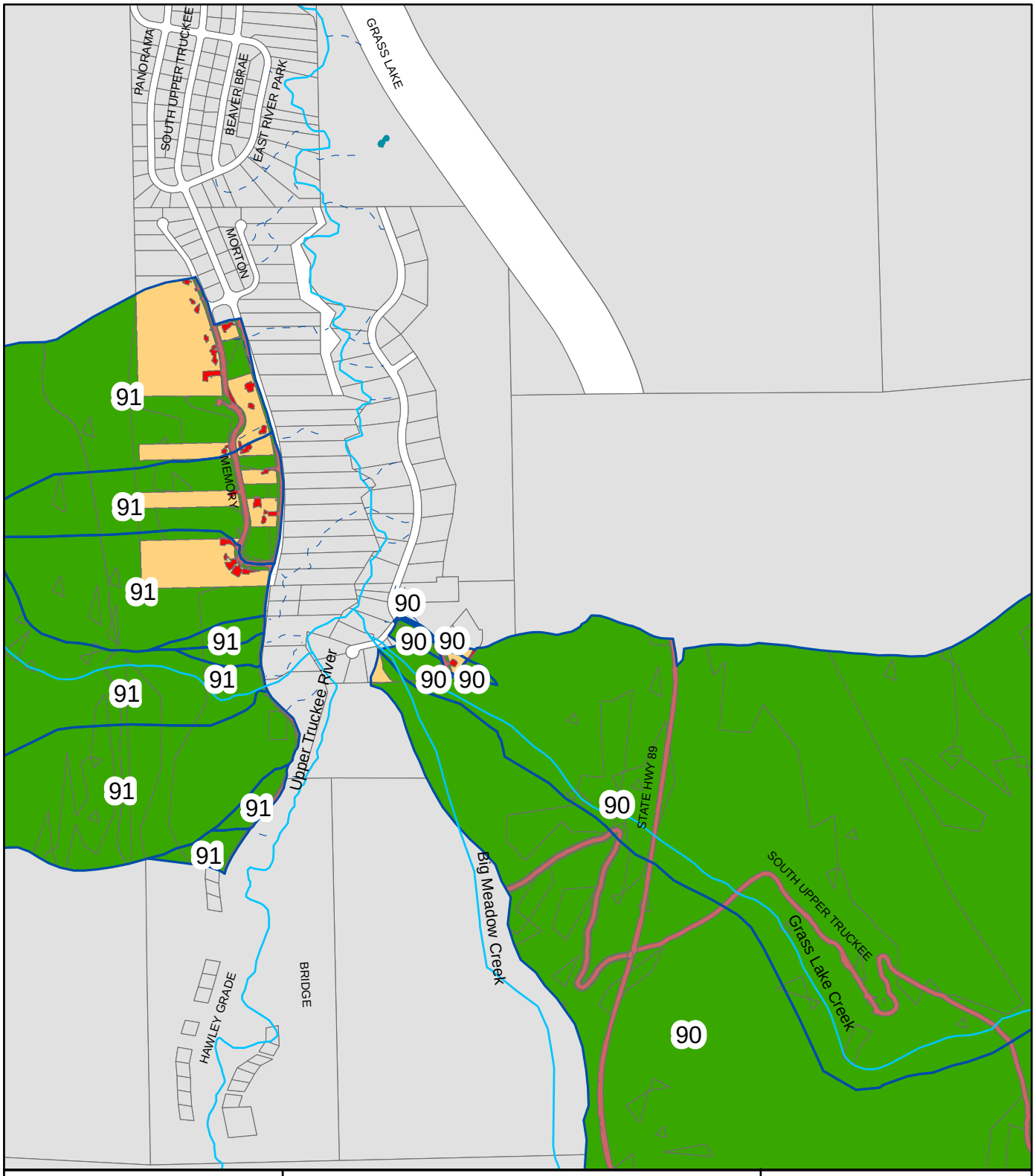
Christmas Valley 1
UPC 88

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

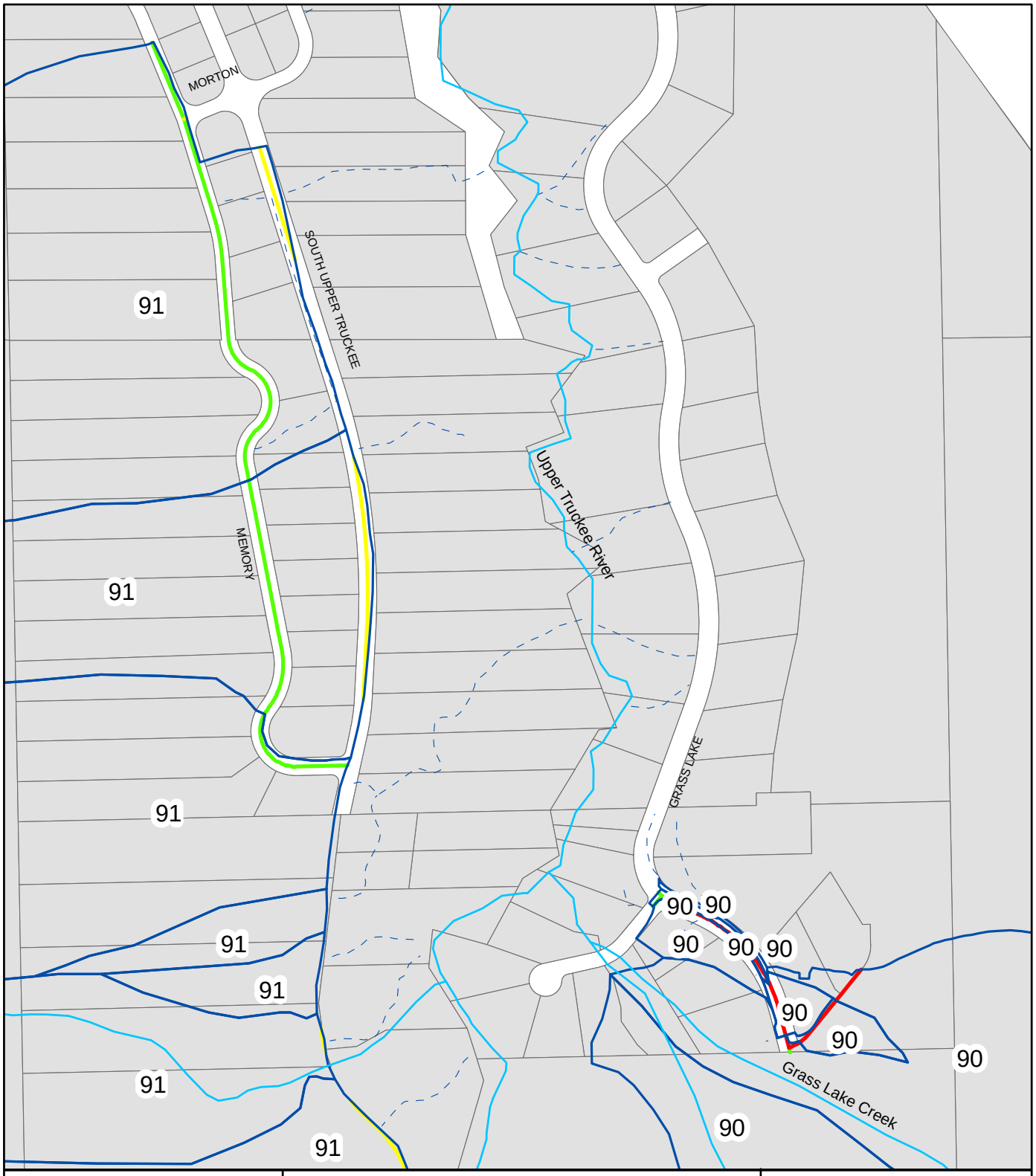
Christmas Valley 1
UPC 90 - 91

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 265 530 1,060 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

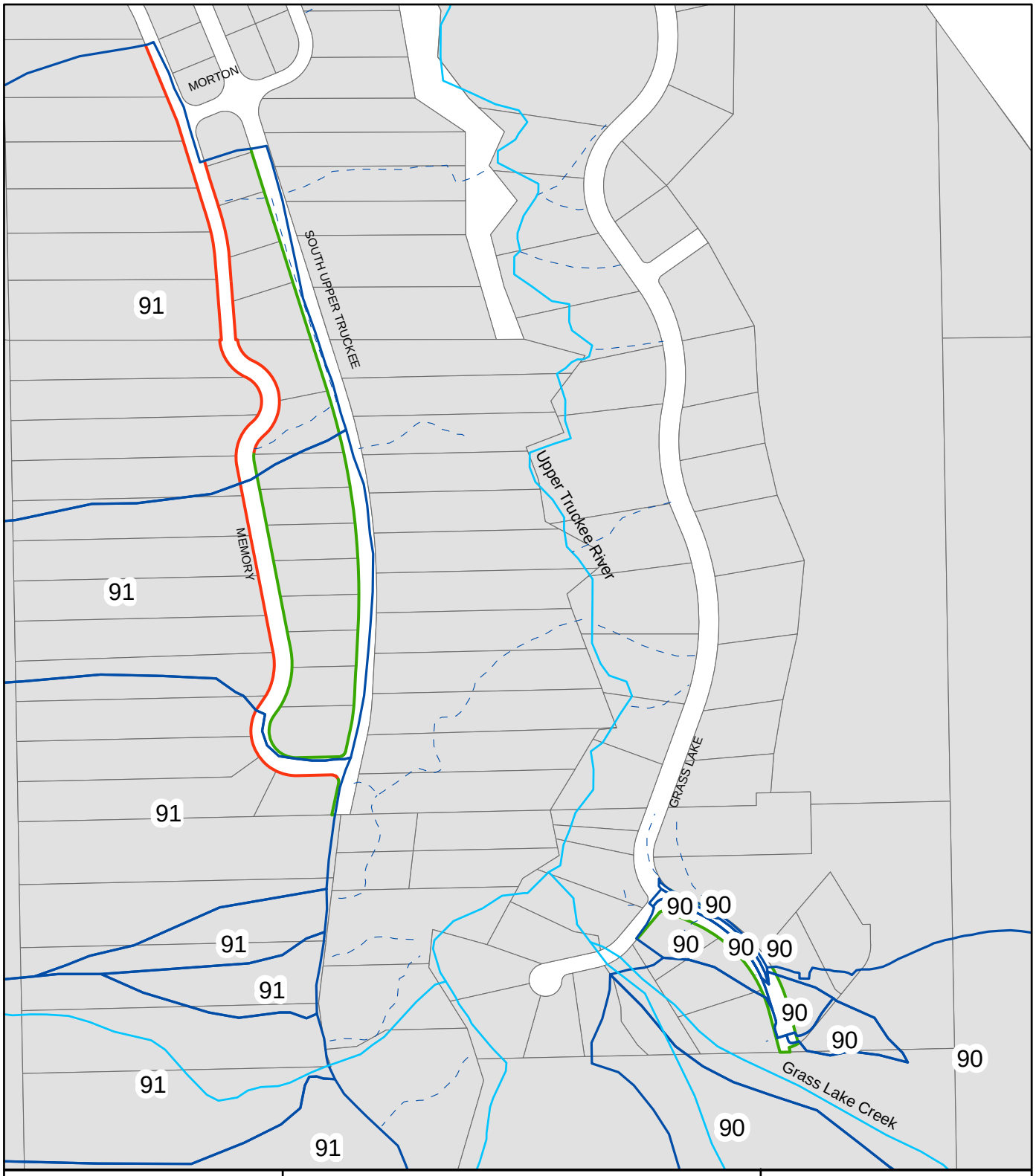
Christmas Valley 1
UPC 90 - 91

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

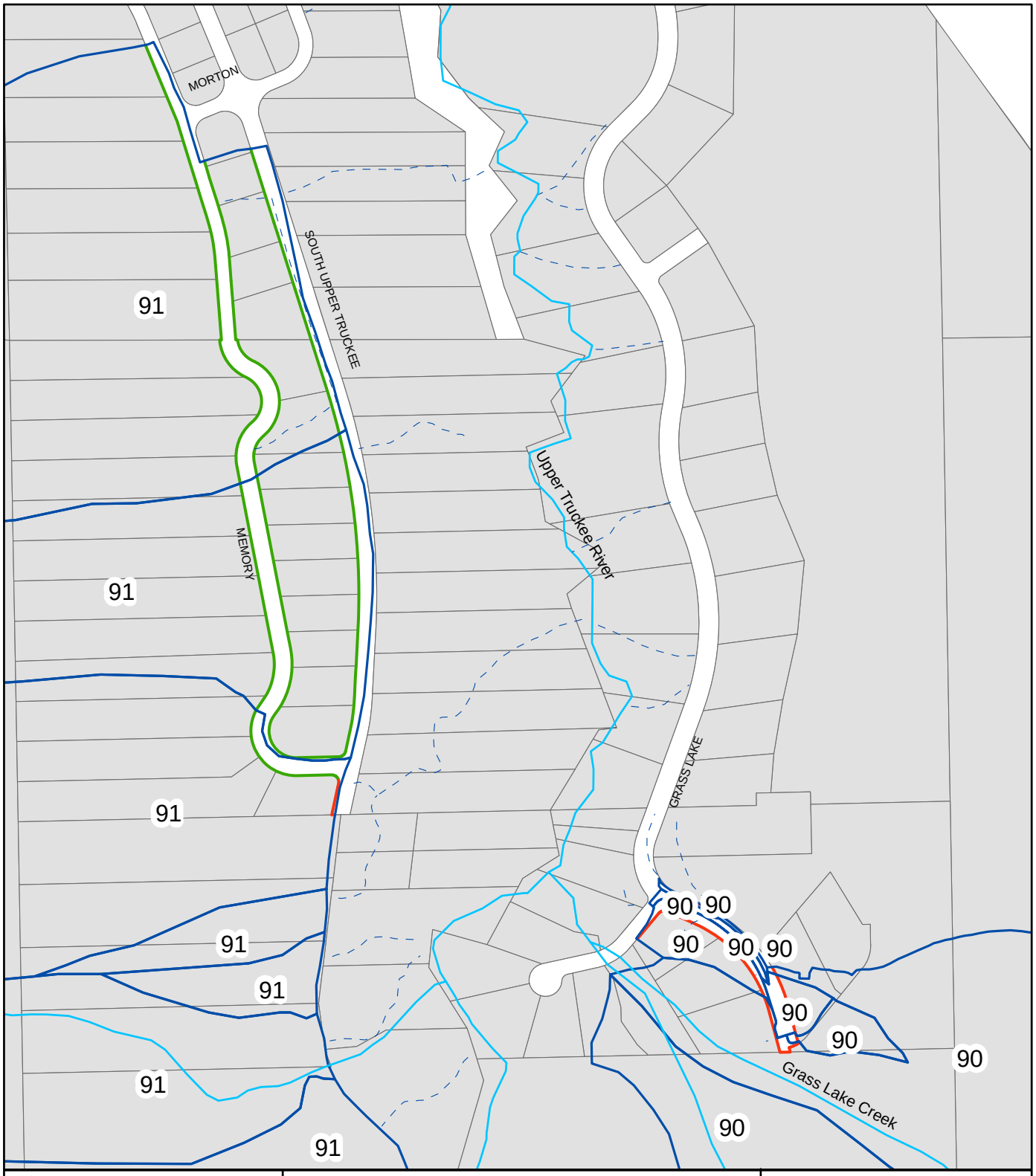
Christmas Valley 1
UPC 90 - 91

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

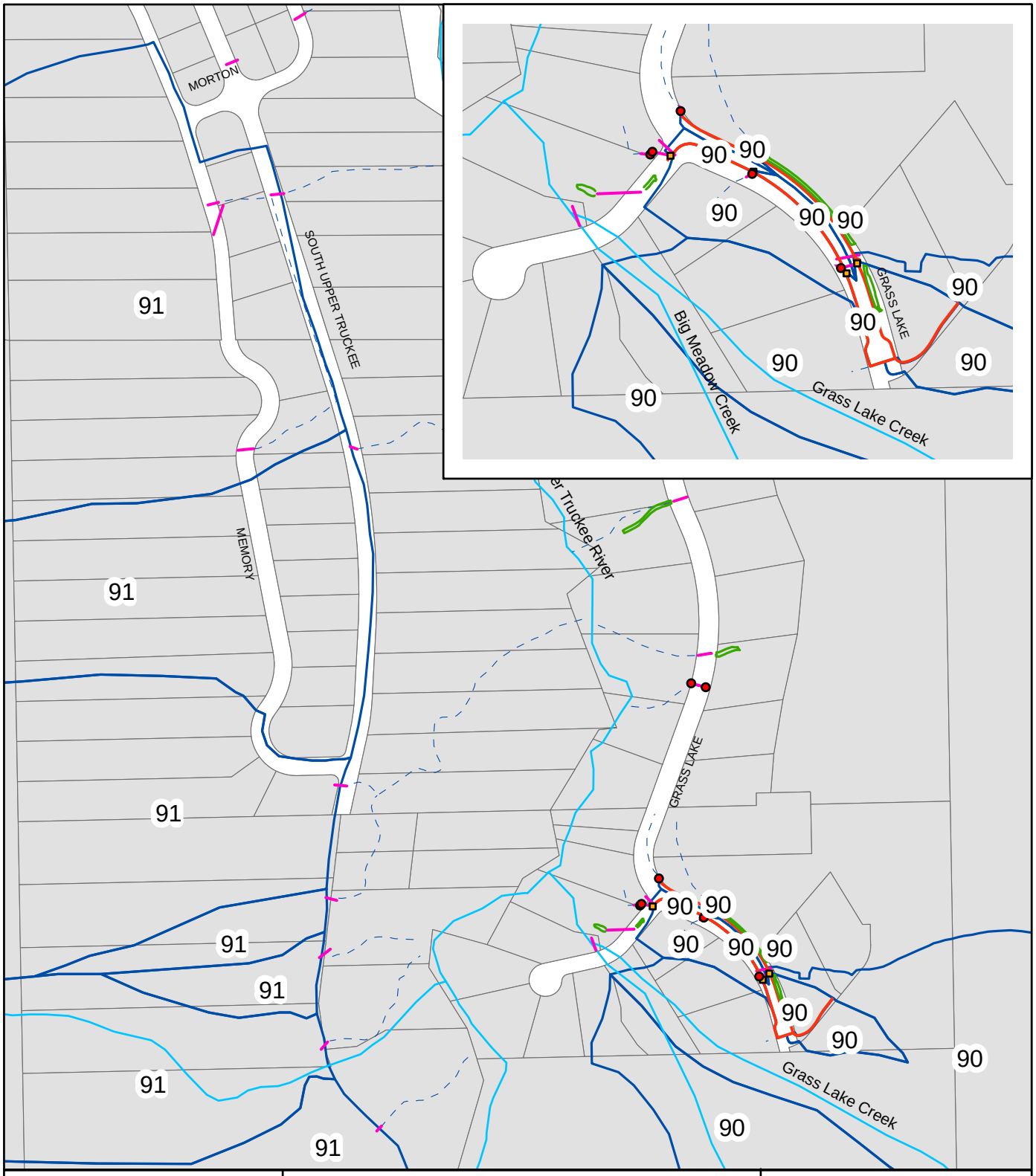
Christmas Valley 1
UPC 90 - 91

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400 Feet



Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- Est. Outfall Flow Path

Baseline

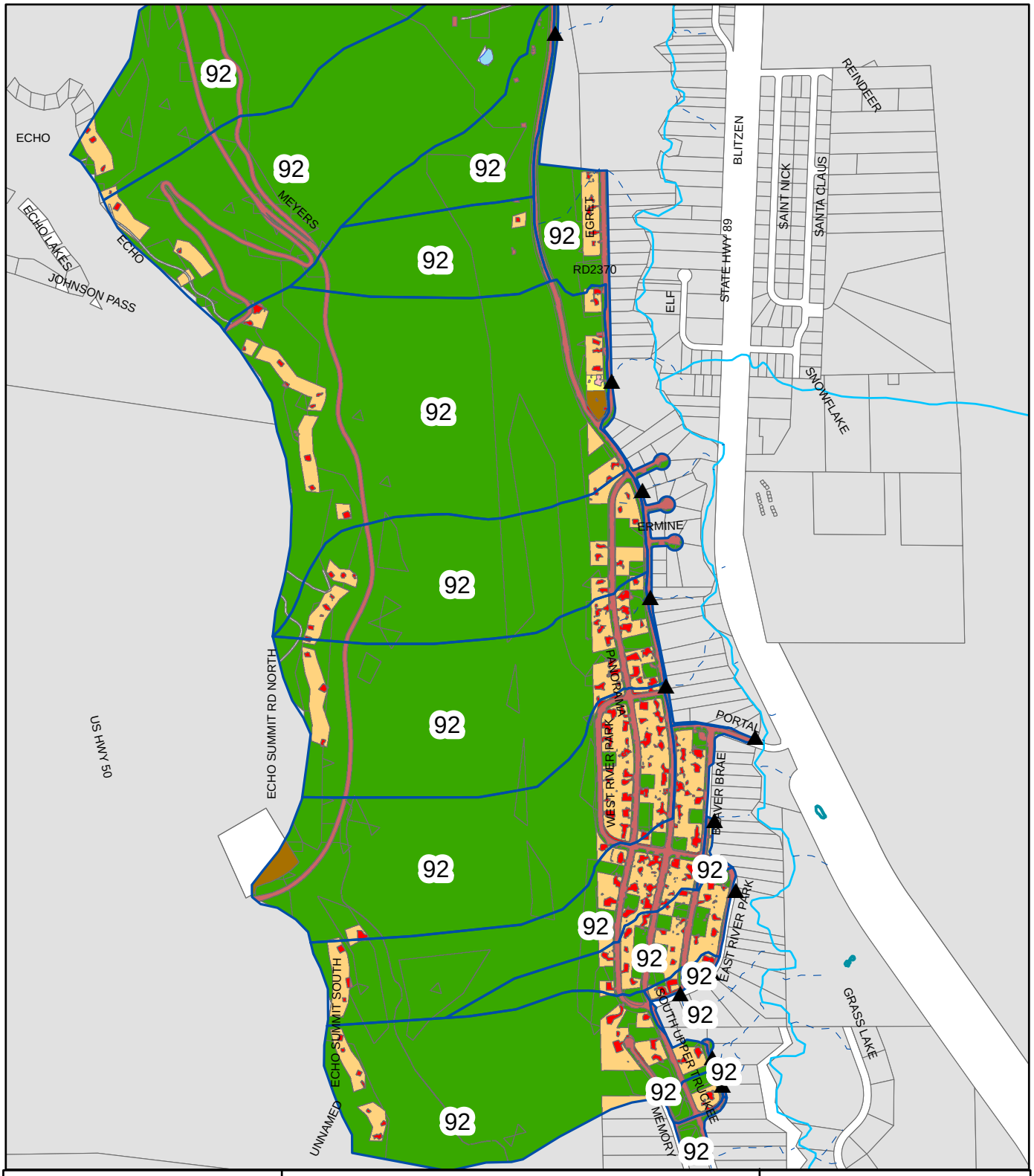
Christmas Valley 1
UPC 90 - 91

El Dorado County - DOT

N
W E
S

1 inch equals 400 feet

0 100 200 400
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

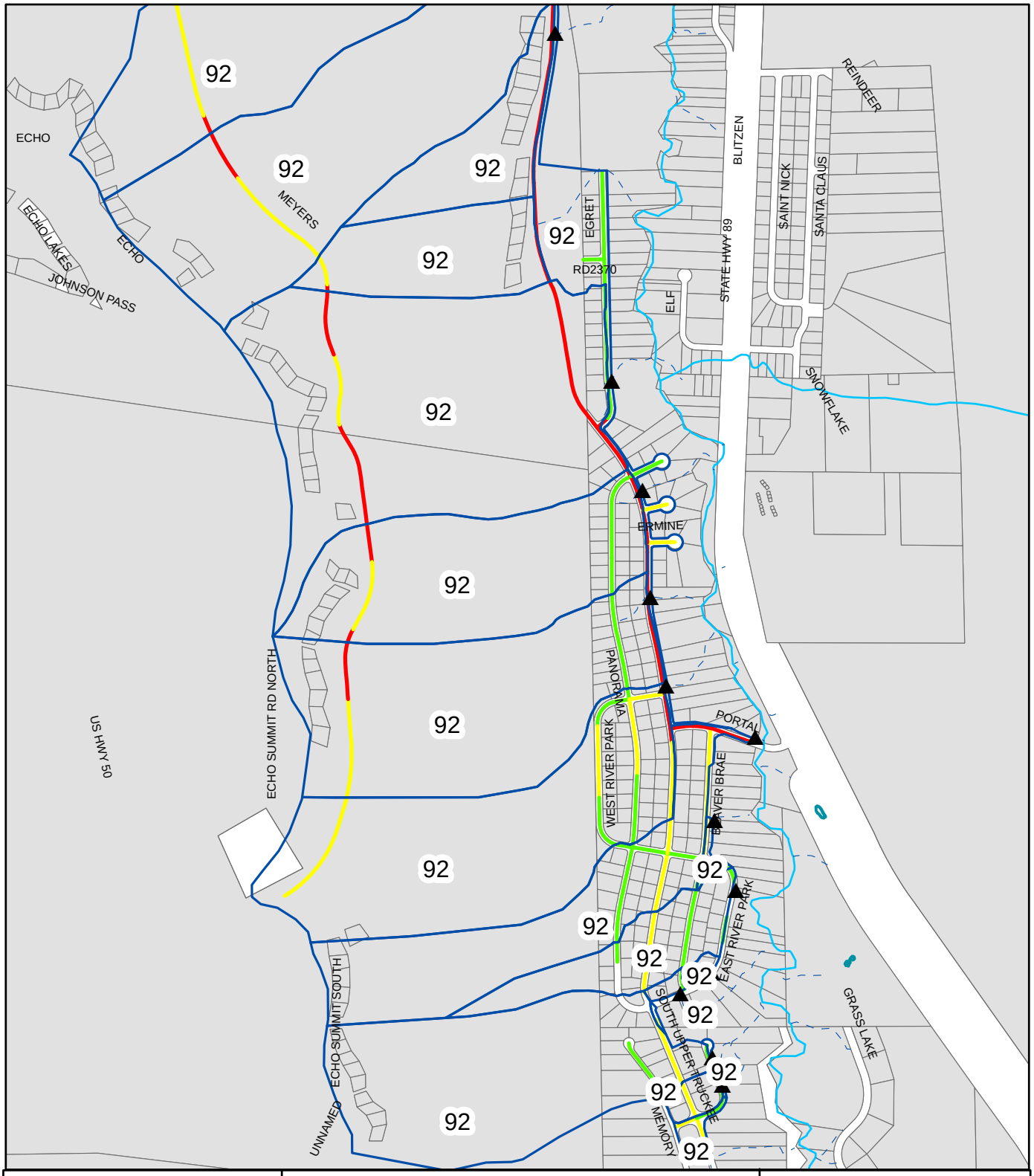
South Upper Truckee
UPC 92

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

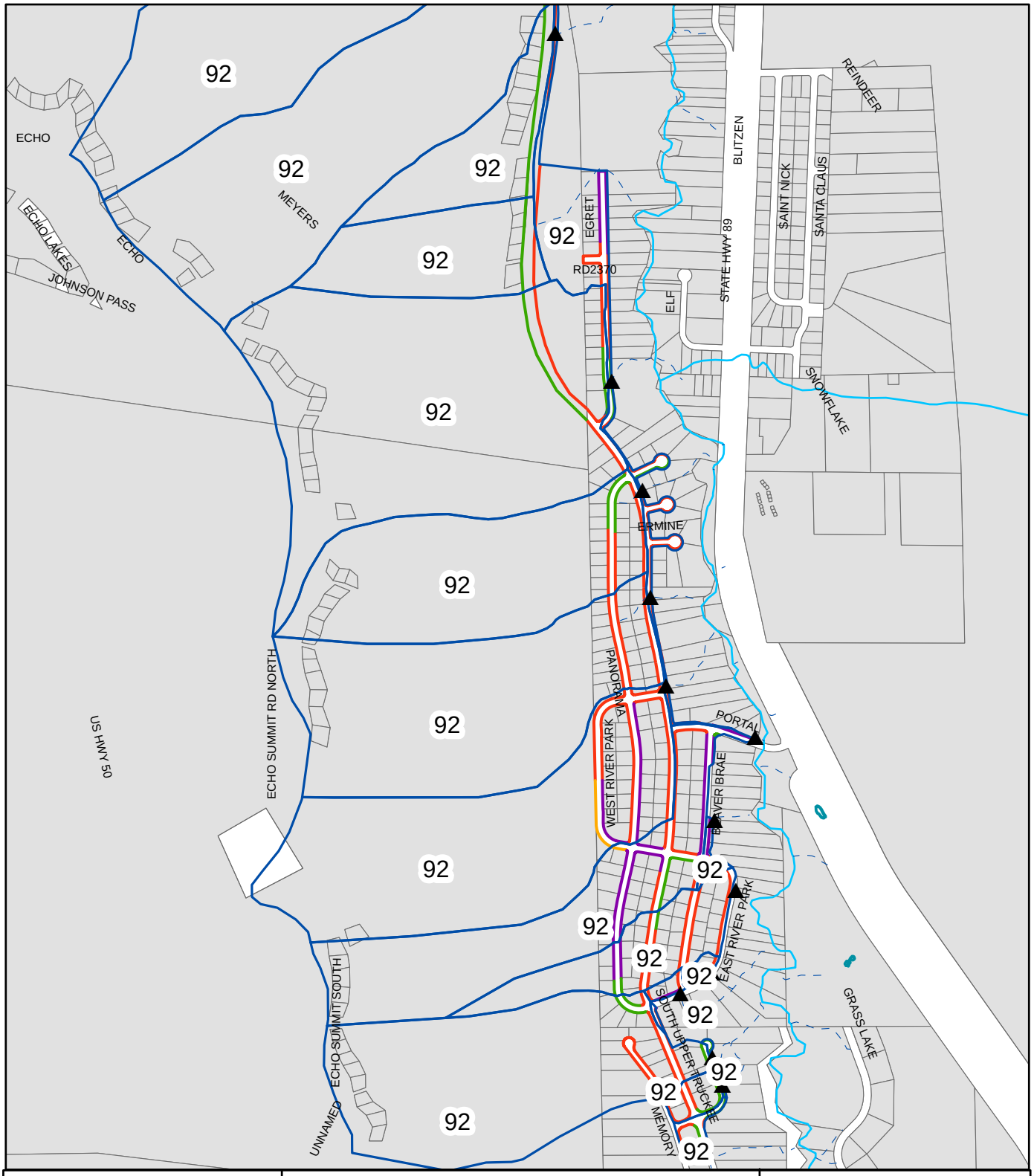
South Upper Truckee
UPC 92

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000
Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

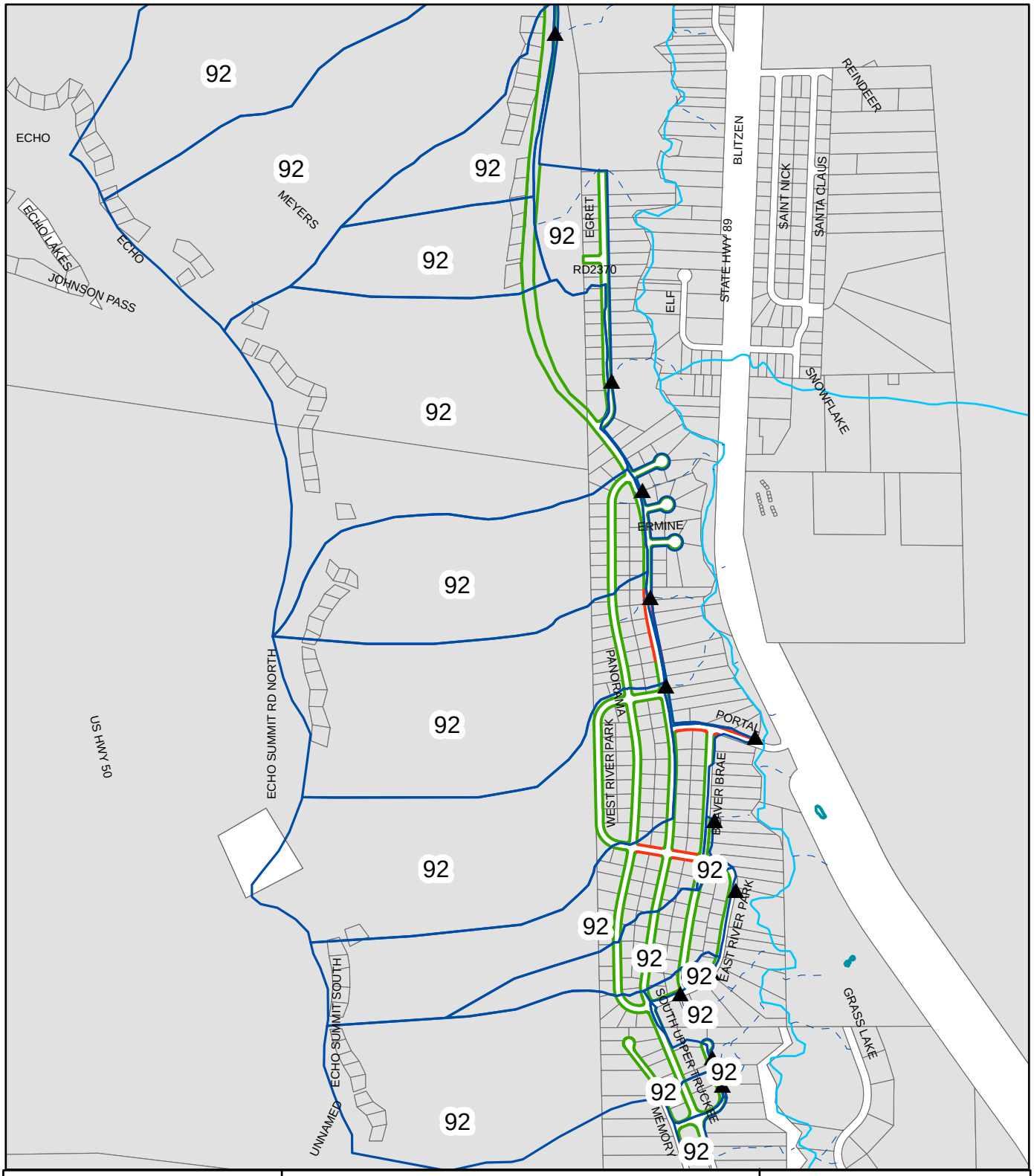
South Upper Truckee
UPC 92

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

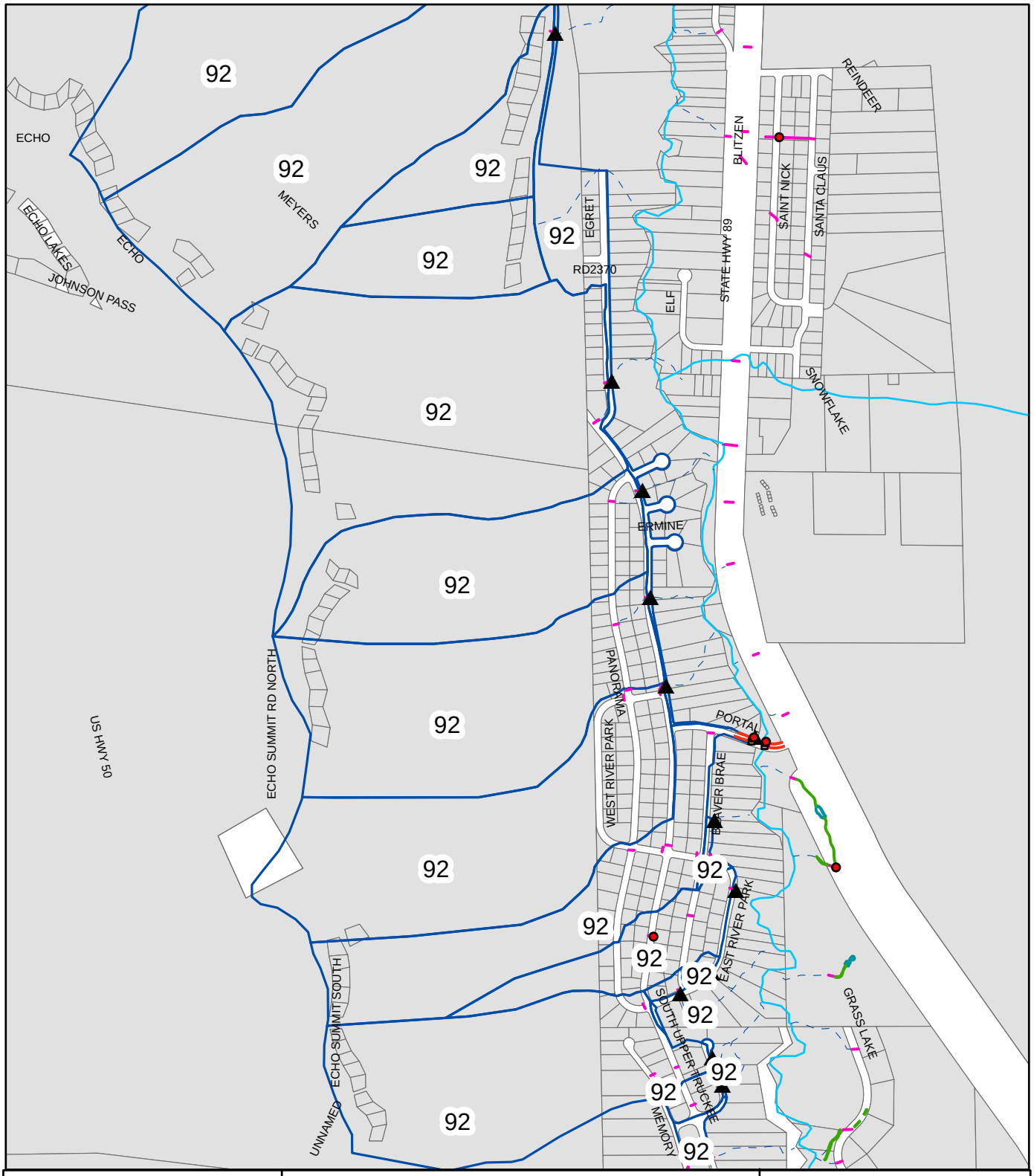
South Upper Truckee
UPC 92

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

EDC_OUTFALL	**NID**
PID	**TYPE**
EDC_Basins	DI
EDC_Walls	SD
EDC_Dike	ST
EDC_Curb	VAULT
EDC_Channels	NID_TDI
EDC_AcDitch	

Baseline

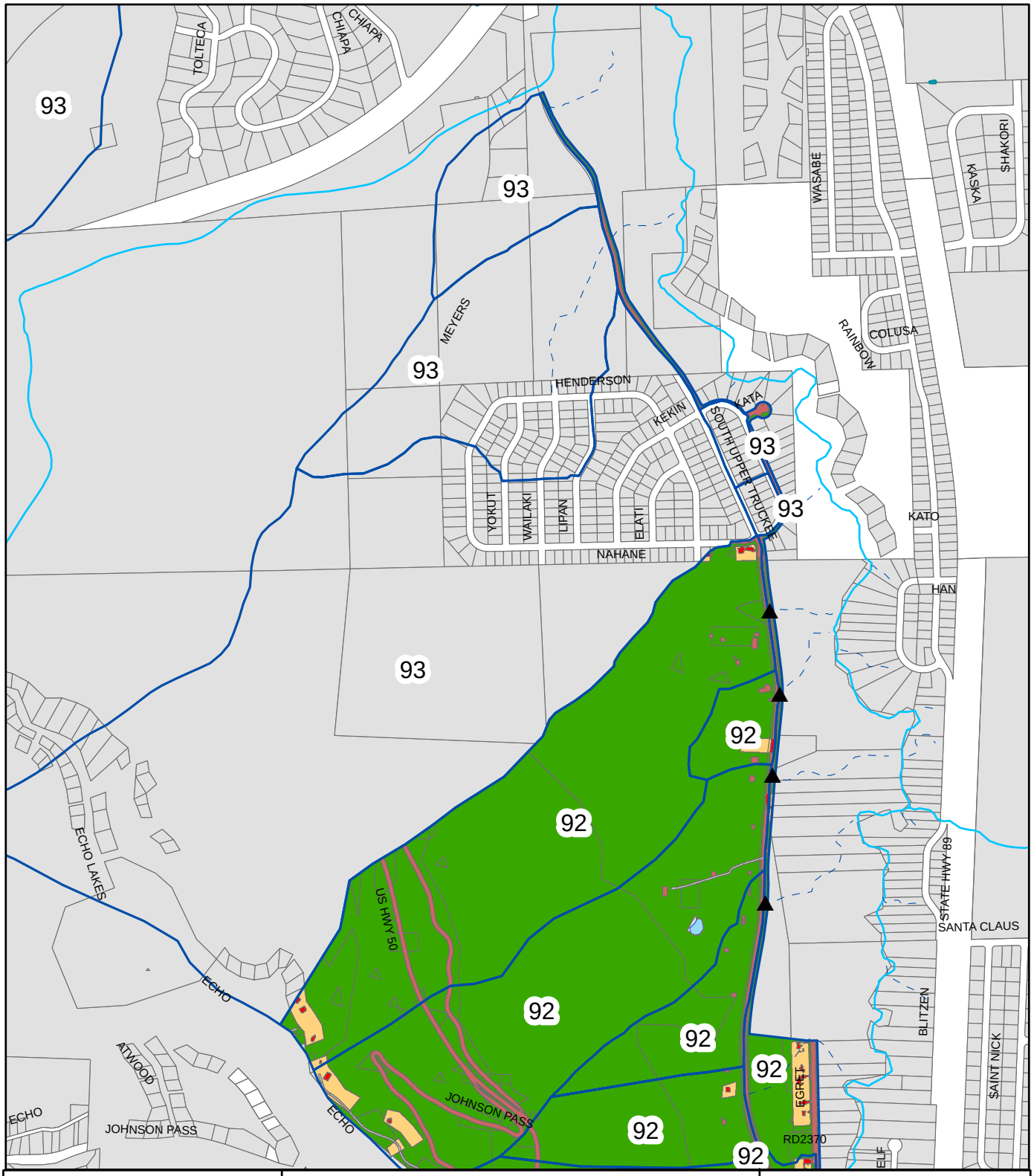
South Upper Truckee
UPC 92

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

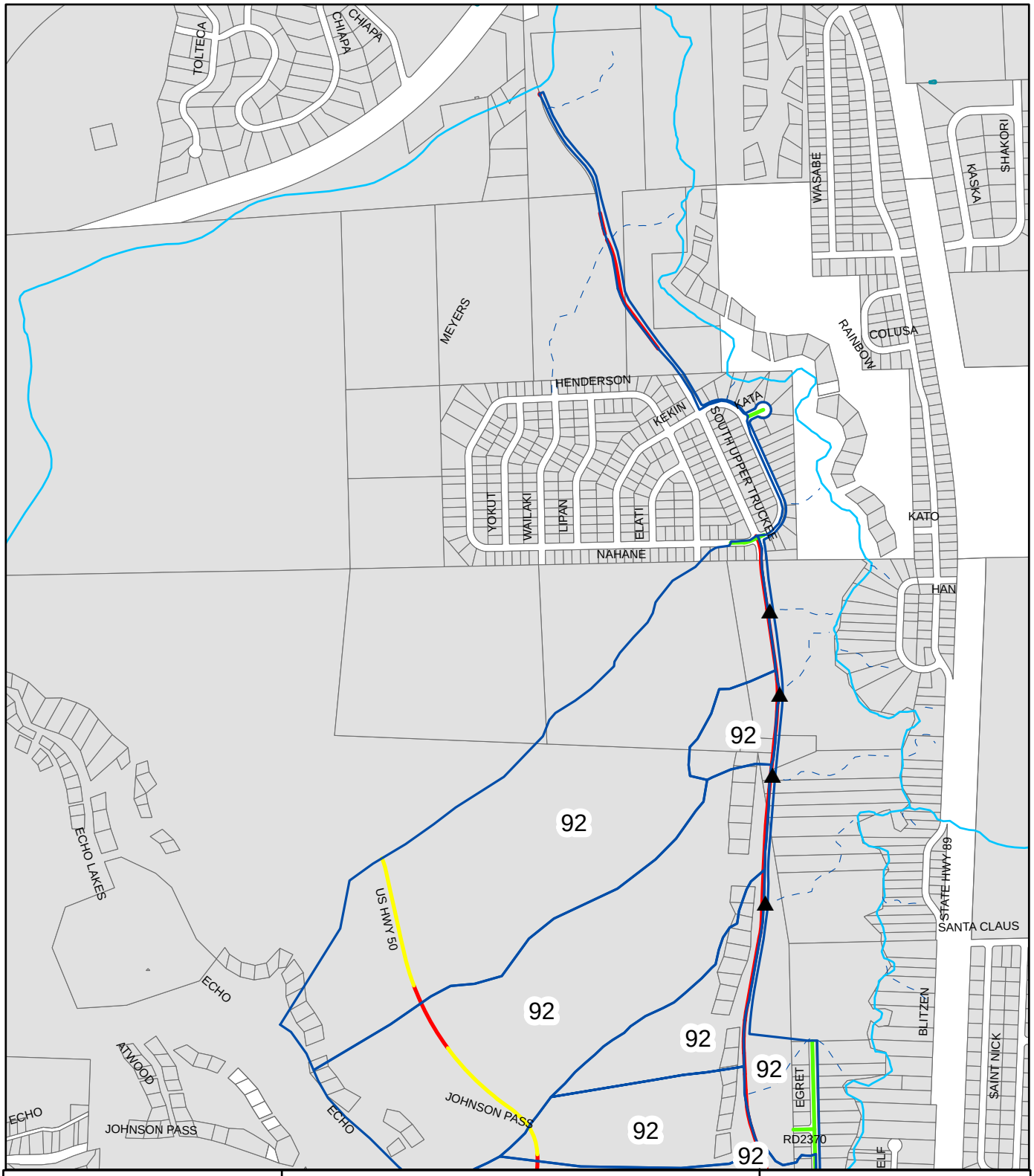
South Upper Truckee
UPC 92A

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

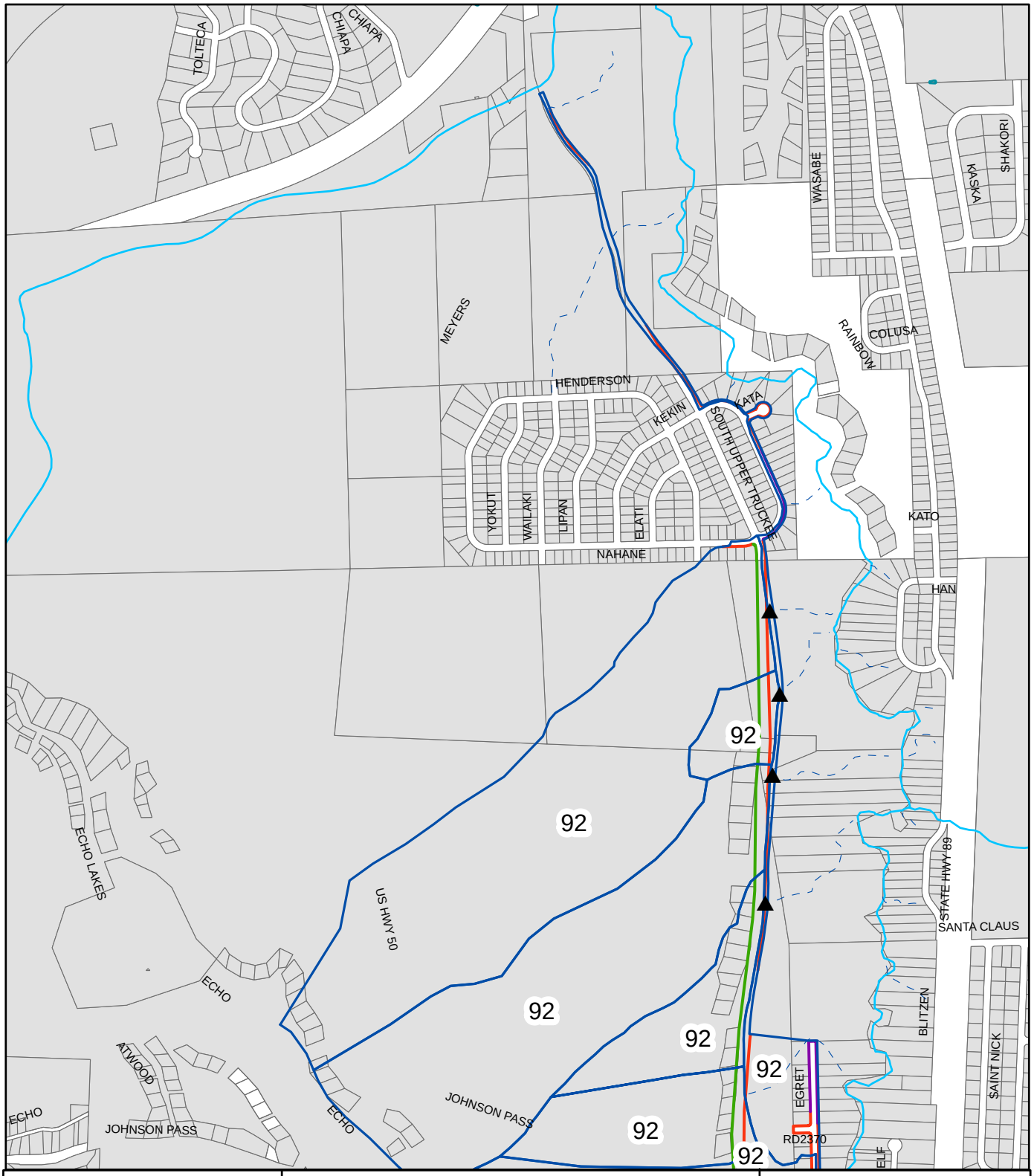
South Upper Truckee
UPC 92A

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

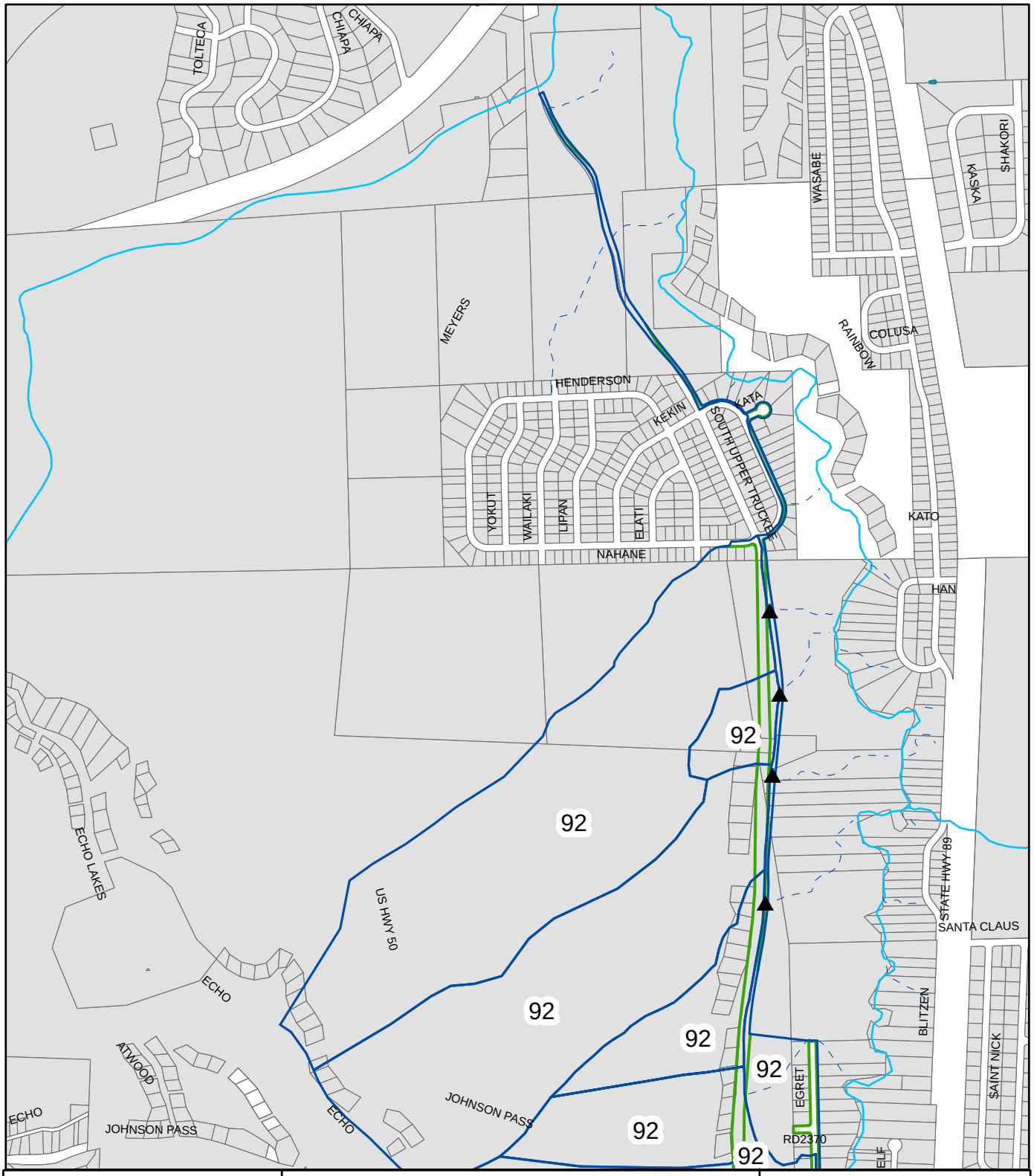
South Upper Truckee
UPC 92A

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

- ▲ EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

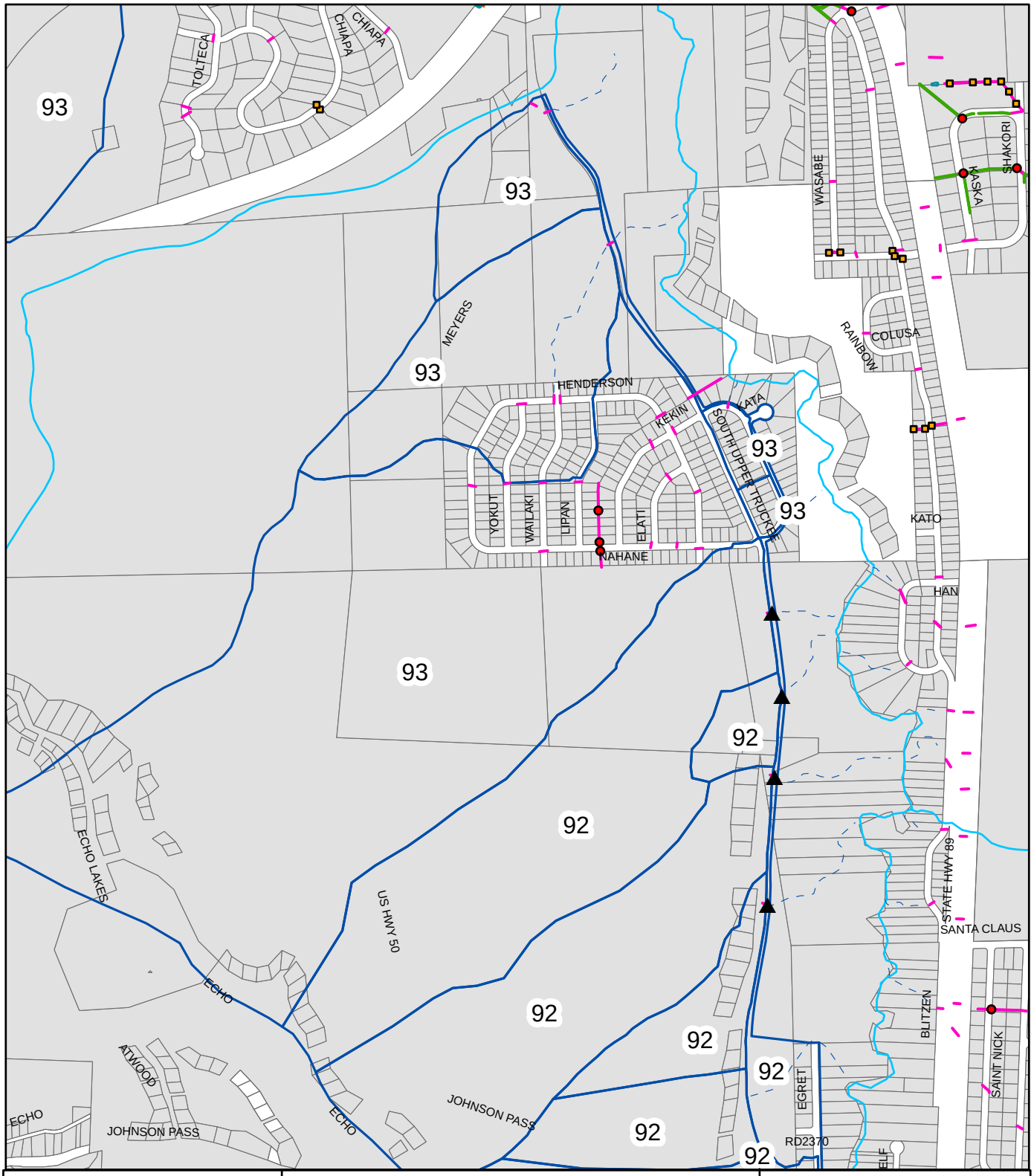
South Upper Truckee
UPC 92A

El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet



Legend

EDC_OUTFALL	**NID**	
PID	**TYPE**	
EDC_Basins	DI	
EDC_Walls	SD	
EDC_Dike	ST	
EDC_Curb	VAULT	
EDC_Channels	NID_TDI	
EDC_AcDitch		

Baseline

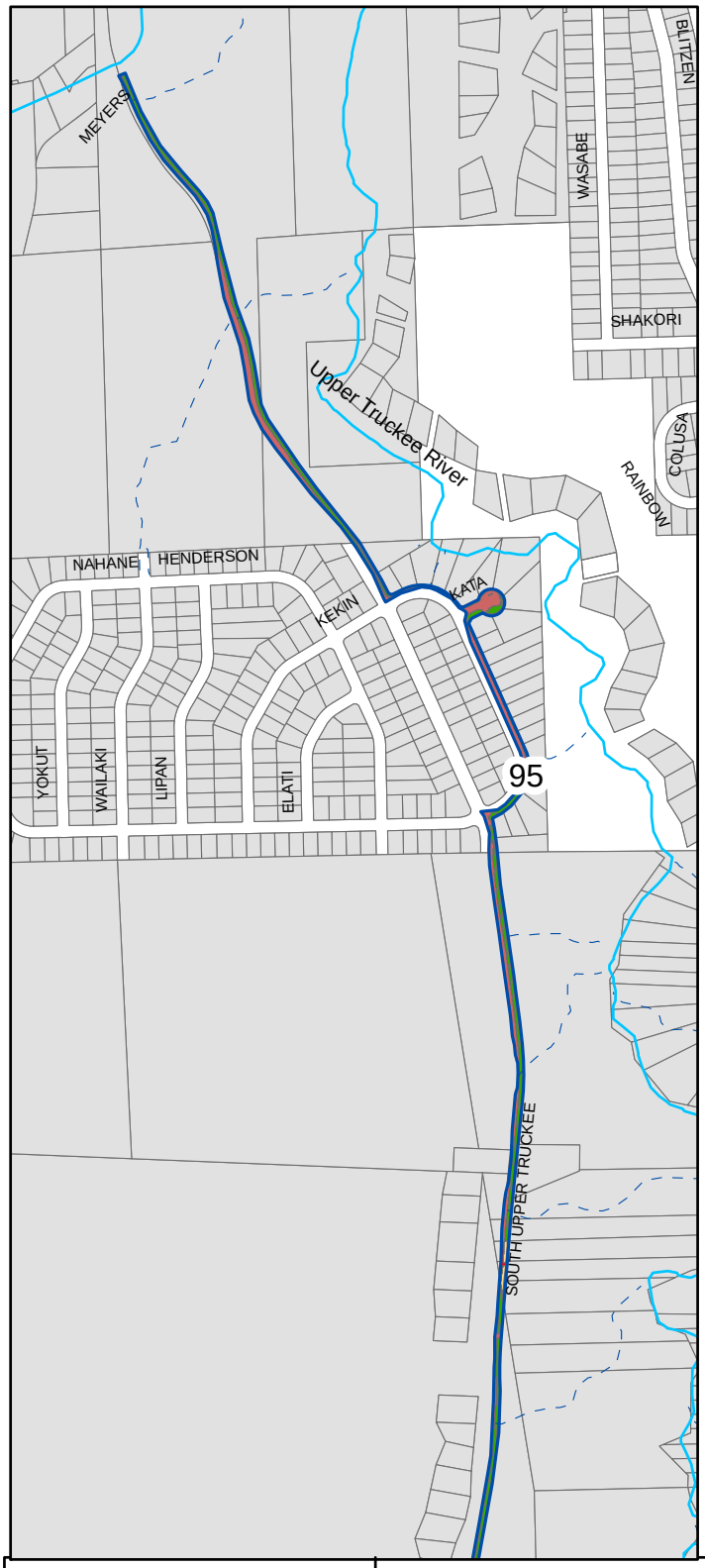
South Upper Truckee
UPC 92A

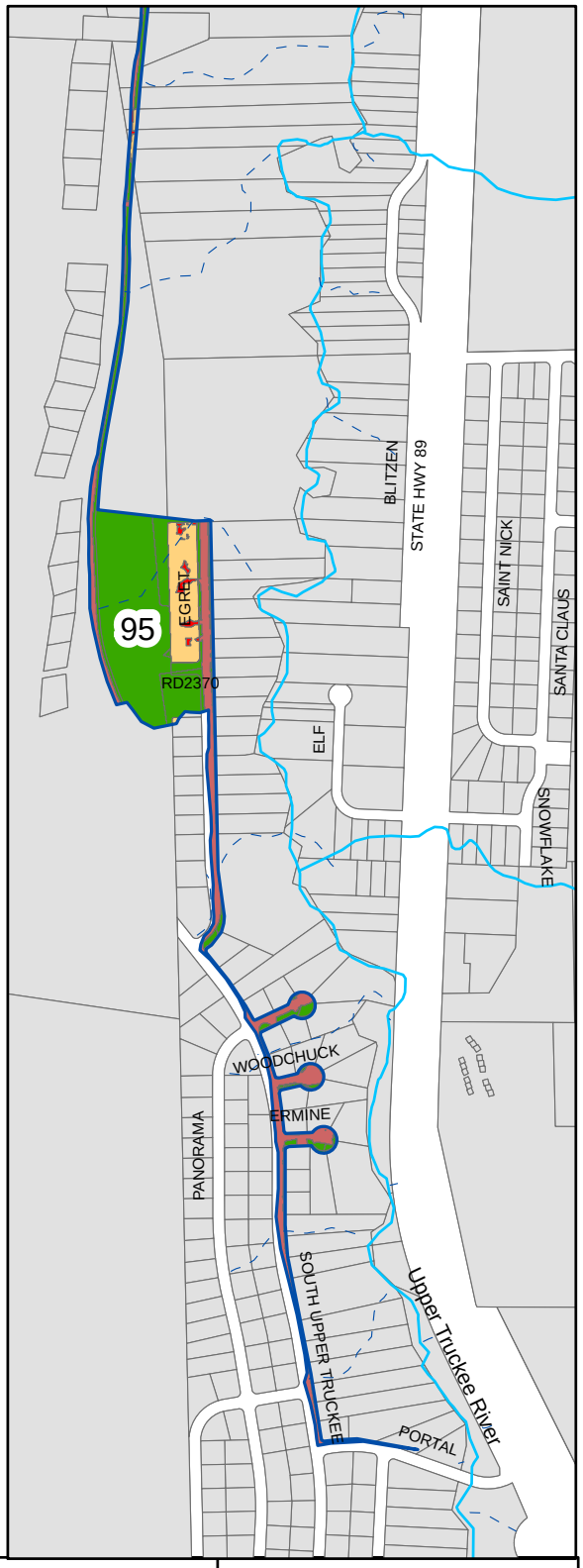
El Dorado County - DOT

N
W E
S

1 inch equals 1,000 feet

0 250 500 1,000 Feet





Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Landuse

- SFR-P
- MFR-P
- CICU-P
- WATER
- VEG
- SFR/CICU-I
- MFR
- Roads_S-I,P-I

Baseline

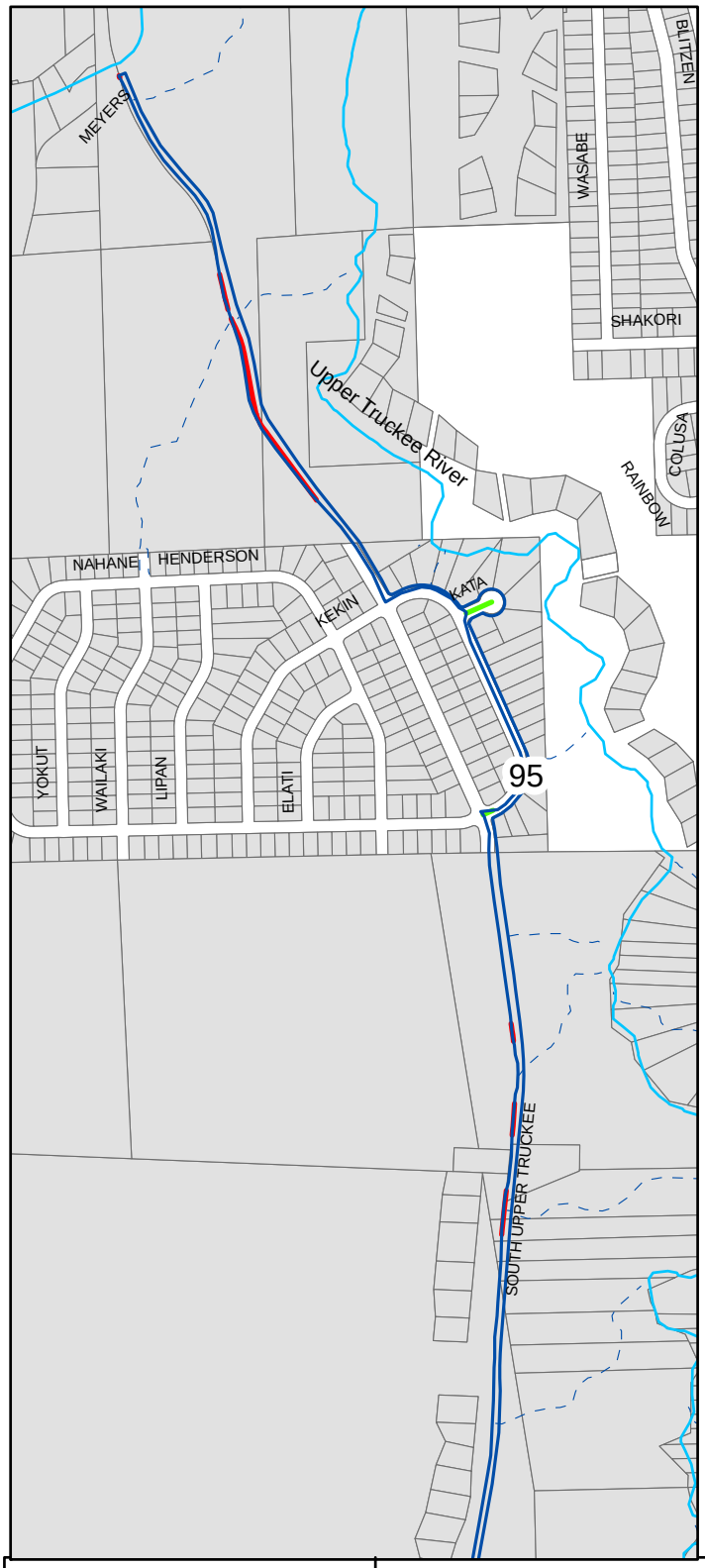
South Upper Truckee UPC 95

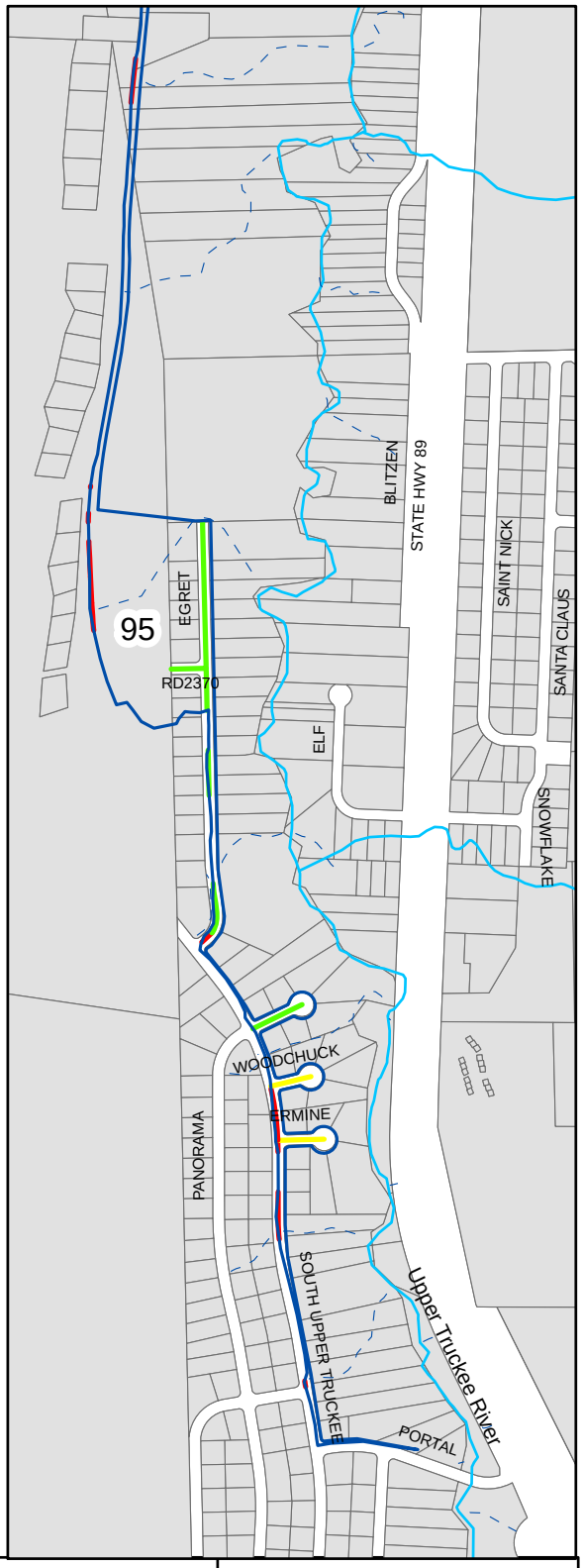
El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet





Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

Road Risk

- High
- Moderate
- Low

Baseline

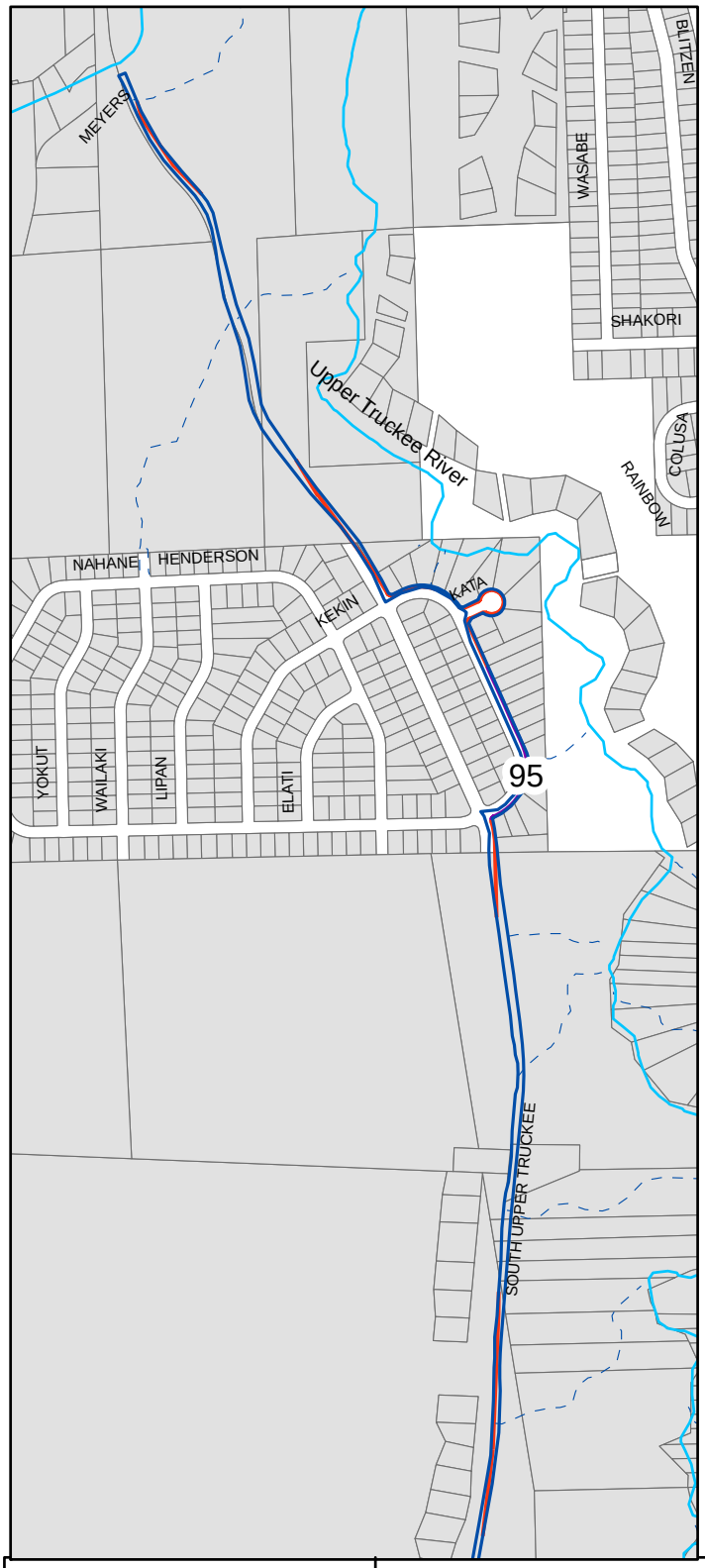
South Upper Truckee
UPC 95

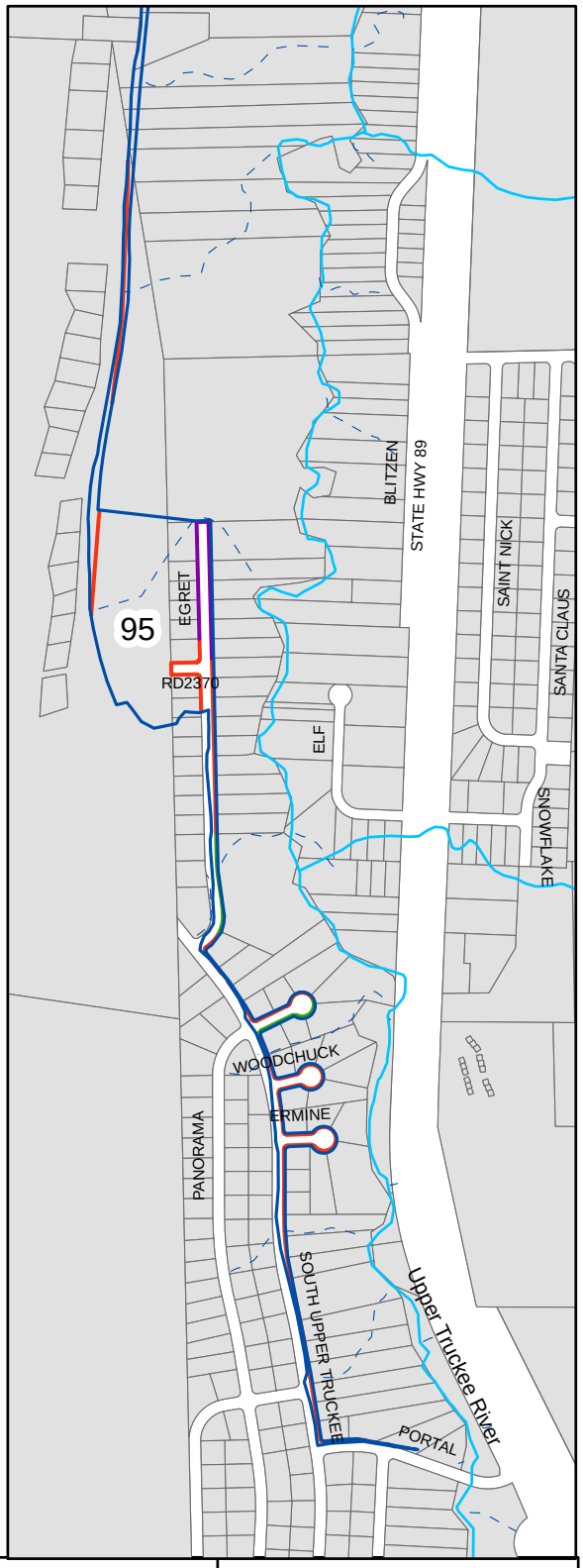
El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet





Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path

EDCWS_SHLDR

- Erodible
- Protected
- Stable
- Stable & Protected

Baseline

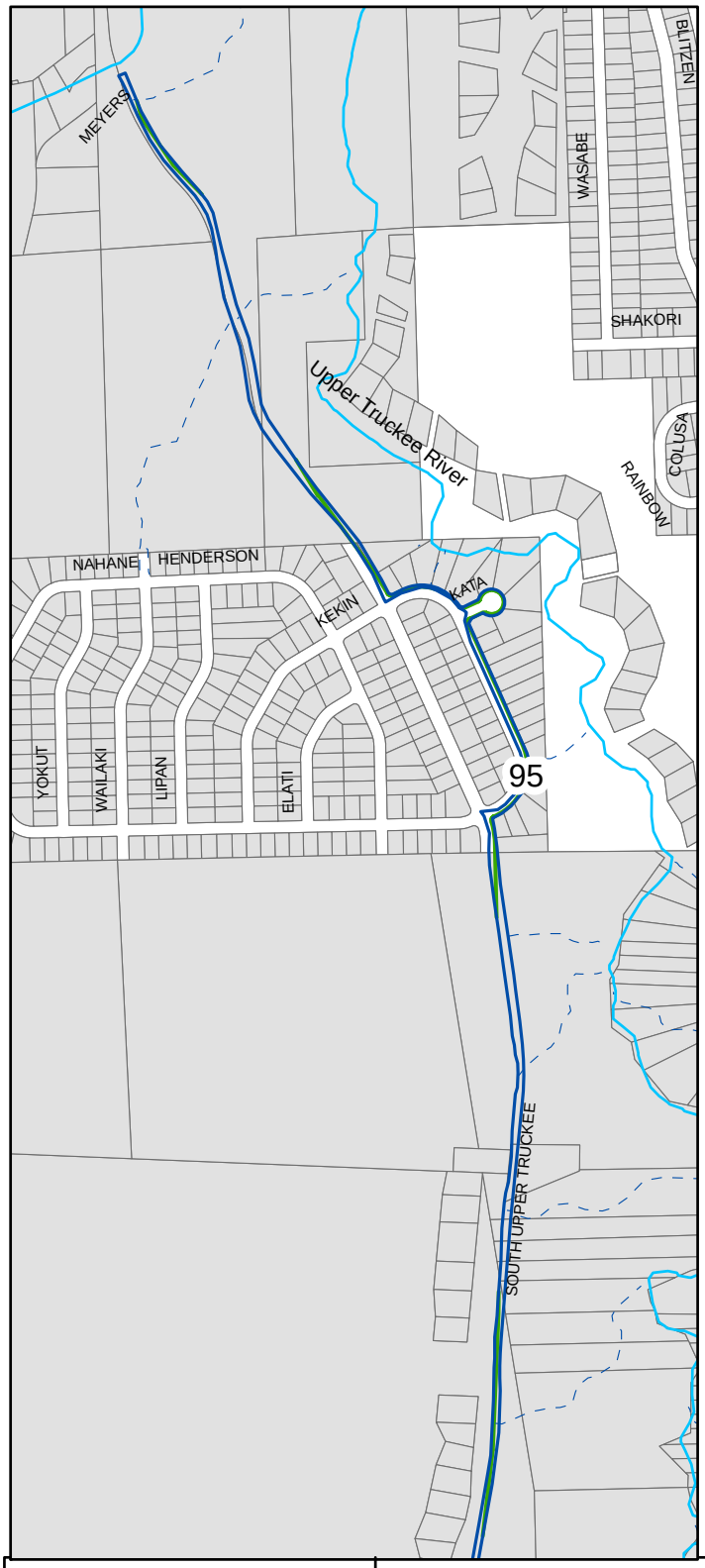
South Upper Truckee
UPC 95

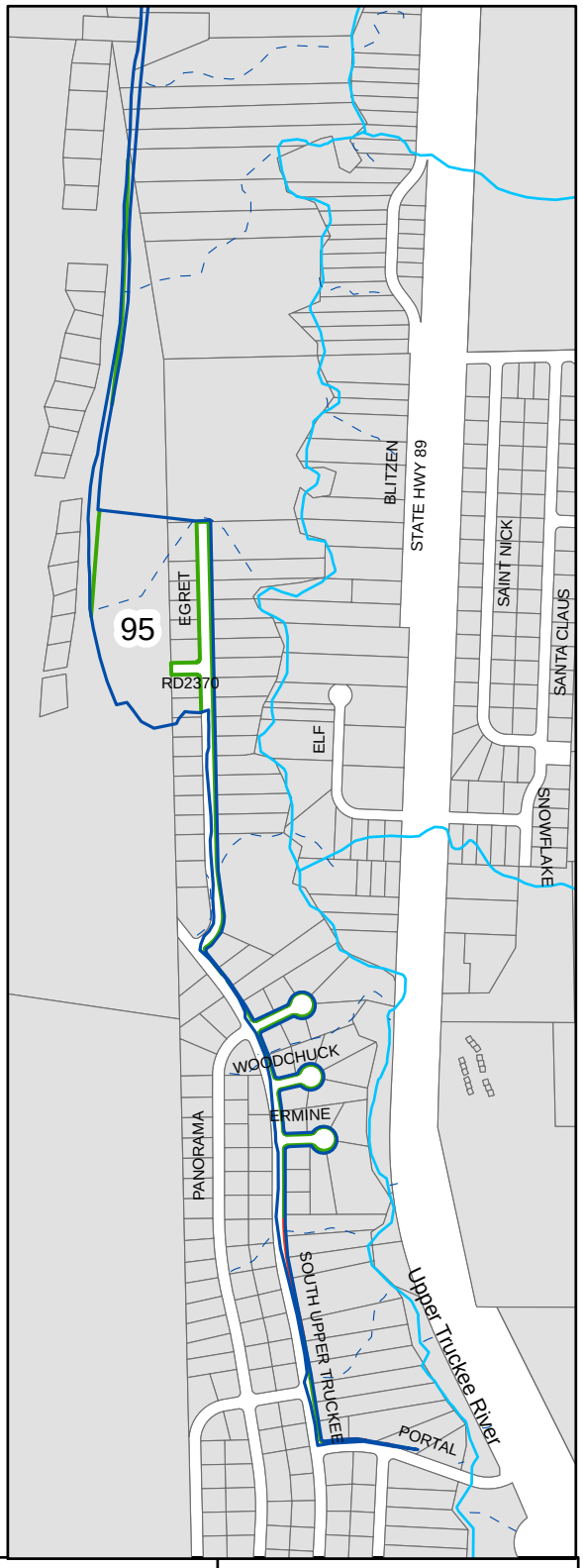
El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet





Legend

- EDC_OUTFALL
- EDC_Basins
- Est. Outfall Flow Path
- DCIA
- ICIA

Baseline

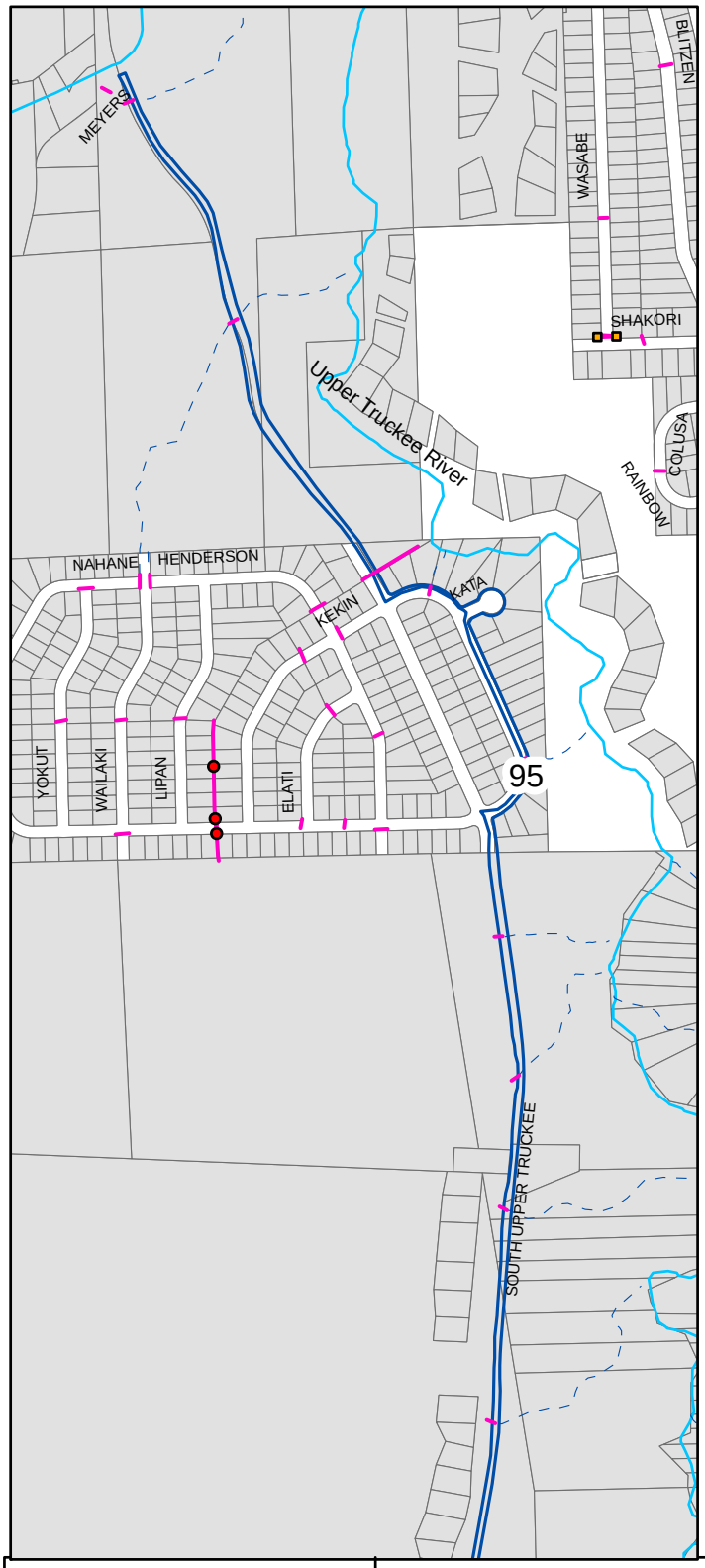
South Upper Truckee
UPC 95

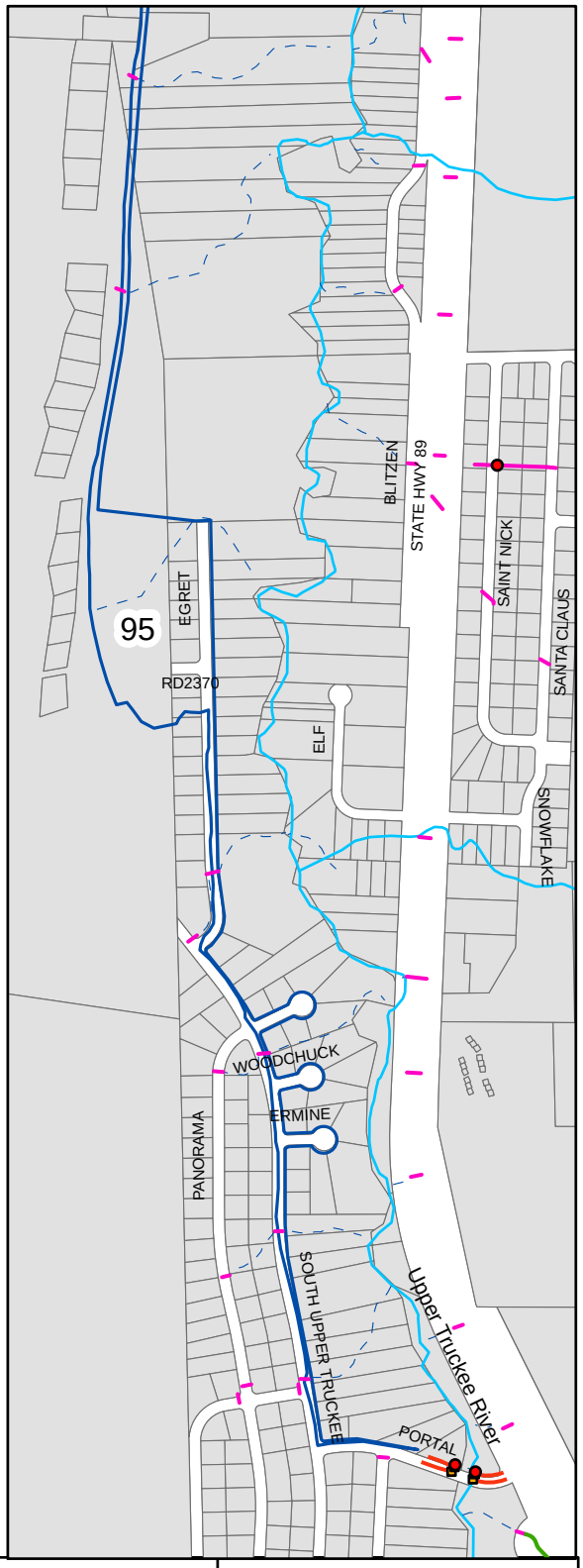
El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet





Legend

- EDC_OUTFALL
- PID
- EDC_Basins
- EDC_Walls
- EDC_Dike
- EDC_Curb
- EDC_Channels
- EDC_AcDitch

NID TYPE

- DI
- SD
- ST
- VAULT
- NID_TDI

Baseline

South Upper Truckee
UPC 95

El Dorado County - DOT

N
W E
S

1 inch equals 800 feet

0 200 400 800 Feet

APPENDIX B

****
Global Information
****

Project Name:..... UPC01
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 238
Working Directory:..... C:\Program Files\PLRM\Projects\Project1\Scenario5\
Date First Created:..... 07/18/2011 16:20:53
Date Computed:..... 9/19/2011 5:01:43 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC01	55.16	31355.07	18383.82	83.79	13.82	362.77	43.22

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	783.92	33.80
Evaporation Loss	218.91	9.44
System Surface Discharge..	55.17	2.38
Percolation to Groundwater	507.26	21.87
Continuity Error.....	0.33%	
Percent Surface Runoff....	7.04%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	55.16	31303.81	18351.27	83.67	13.81	362.31	43.16
Scenario Total	55.16	31303.81	18351.27	83.67	13.81	362.31	43.16

****
Global Information
****

Project Name:..... UPC01
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 238
Working Directory:..... C:\Program Files\PLRM\Projects\Project1\Scenario6\
Date First Created:..... 9/14/2011 1:11:10 PM
Date Computed:..... 9/19/2011 5:07:37 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC01	55.16	31355.07	18383.82	83.79	13.82	362.77	43.22

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	55.16	31303.81	18351.27	83.67	13.81	362.31	43.16
Bypass Stream	38.38	20826.42	12084.78	57.14	9.70	248.42	29.42
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	38.38	20826.42	12084.78	57.14	9.70	248.42	29.42
Volume/Load Removed	16.79	10477.39	6266.49	26.54	4.10	113.90	13.74
%Change(Removed/Influent)	30.43%	33.47%	34.15%	31.71%	29.72%	31.44%	31.83%
%Capture(1-Bypass/Influent)	30.43%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	783.92	33.80
Evaporation Loss	218.91	9.44
System Surface Discharge..	38.38	1.65
Percolation to Groundwater	524.04	22.59
Continuity Error.....	0.33%	
Percent Surface Runoff....	4.90%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	38.38	20826.54	12084.93	57.14	9.70	248.41	29.42
Scenario Total	38.38	20826.54	12084.93	57.14	9.70	248.41	29.42

****
Global Information
****

Project Name:..... UPC02
Scenario Name:..... Scenario2D_1
Number of years in simulation :.. 6
Met Grid # simulated:..... 275
Working Directory:..... C:\Program Files\PLRM\Projects\Project2\Scenario6\
Date First Created:..... 09/22/2011 10:32:39
Date Computed:..... 09/22/2011 10:38:07

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC02	21.65	11715.71	6791.40	32.14	6.69	146.49	18.51

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	21.65	11704.30	6784.97	32.11	6.68	146.33	18.49
Bypass Stream	18.77	9924.26	5724.84	27.56	5.82	125.94	15.91
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	18.77	9924.26	5724.84	27.56	5.82	125.94	15.91
Volume/Load Removed	2.87	1780.04	1060.13	4.55	0.86	20.40	2.59
%Change(Removed/Influent)	13.27%	15.21%	15.62%	14.17%	12.83%	13.94%	13.99%
%Capture(1-Bypass/Influent)	13.27%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	160.12	33.28
Evaporation Loss	41.70	8.67
System Surface Discharge..	18.78	3.90
Percolation to Groundwater	99.11	20.60
Continuity Error.....	0.34%	
Percent Surface Runoff....	11.74%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	18.77	9924.37	5724.94	27.56	5.82	125.93	15.91
Scenario Total	18.77	9924.37	5724.94	27.56	5.82	125.93	15.91

****
Global Information
****

Project Name:..... UPC02
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 275
Working Directory:..... C:\Program Files\PLRM\Projects\Project2\Scenario4\
Date First Created:..... 09/14/2011 13:31:42
Date Computed:..... 09/22/2011 10:30:55

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC02	21.65	11715.71	6791.40	32.14	6.69	146.49	18.51

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	160.12	33.28
Evaporation Loss	41.70	8.67
System Surface Discharge..	21.65	4.50
Percolation to Groundwater	96.23	20.00
Continuity Error.....	0.34%	
Percent Surface Runoff....	13.53%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	21.65	11704.30	6784.97	32.11	6.68	146.33	18.49
Scenario Total	21.65	11704.30	6784.97	32.11	6.68	146.33	18.49

****
Global Information
****

Project Name:..... UPC03
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 274
Working Directory:..... C:\Program Files\PLRM\Projects\Project3\Scenario3\
Date First Created:..... 09/14/2011 13:40:14
Date Computed:..... 09/14/2011 13:42:09

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Catch1	71.14	25515.76	12157.53	84.28	14.13	442.79	54.26

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	950.31	33.38
Evaporation Loss	269.97	9.48
System Surface Discharge..	71.16	2.50
Percolation to Groundwater	609.61	21.41
Continuity Error.....	-0.05%	
Percent Surface Runoff....	7.49%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	71.14	25486.20	12143.48	84.18	14.11	442.28	54.19
Scenario Total	71.14	25486.20	12143.48	84.18	14.11	442.28	54.19

****
Global Information
****

Project Name:..... UPC03
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 274
Working Directory:..... C:\Program Files\PLRM\Projects\Project3\Scenario4\
Date First Created:..... 09/14/2011 13:43:30
Date Computed:..... 09/14/2011 13:48:02

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Catch1	71.14	25515.76	12157.53	84.28	14.13	442.79	54.26

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	71.14	25486.20	12143.48	84.18	14.11	442.28	54.19
Bypass Stream	65.79	23425.06	11160.03	77.48	13.02	406.80	49.83
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	65.79	23425.06	11160.03	77.48	13.02	406.80	49.83
Volume/Load Removed	5.35	2061.14	983.45	6.70	1.10	35.48	4.37
%Change(Removed/Influent)	7.52%	8.09%	8.10%	7.96%	7.76%	8.02%	8.06%
%Capture(1-Bypass/Influent)	7.52%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	950.31	33.38
Evaporation Loss	269.97	9.48
System Surface Discharge..	65.81	2.31
Percolation to Groundwater	614.96	21.60
Continuity Error.....	-0.05%	
Percent Surface Runoff....	6.93%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	65.79	23423.23	11159.16	77.47	13.02	406.77	49.82
Scenario Total	65.79	23423.23	11159.16	77.47	13.02	406.77	49.82

****
Global Information
****

Project Name:..... UPC04
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 272
Working Directory:..... C:\Program Files\PLRM\Projects\Project4\Scenario2\
Date First Created:..... 7/22/2011 3:13:42 PM
Date Computed:..... 08/24/2011 12:13:33

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC04	6.68	3458.55	1926.46	9.43	1.26	45.58	5.70

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	441.54	30.79
Evaporation Loss	144.39	10.07
System Surface Discharge..	6.68	0.47
Percolation to Groundwater	290.41	20.25
Continuity Error.....	0.01%	
Percent Surface Runoff....	1.51%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	6.68	3454.59	1924.27	9.41	1.26	45.53	5.70
Scenario Total	6.68	3454.59	1924.27	9.41	1.26	45.53	5.70

****
Global Information
****

Project Name:..... UPC05
Scenario Name:..... Baseline
Number of years in simulation :.. 6
Met Grid # simulated:..... 309
Working Directory:..... C:\Program Files\PLRM\Projects\Project78\Scenario1\
Date First Created:..... 03/16/2011 13:18:25
Date Computed:..... 6/9/2011 8:51:22 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC05	1.26	781.81	478.40	2.16	1.04	7.69	0.85

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	187.94	30.89
Evaporation Loss	60.91	10.01
System Surface Discharge..	1.26	0.21
Percolation to Groundwater	125.71	20.66
Continuity Error.....	0.03%	
Percent Surface Runoff....	0.67%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.26	780.67	477.70	2.15	1.04	7.68	0.85
Scenario Total	1.26	780.67	477.70	2.15	1.04	7.68	0.85

****
Global Information
****

Project Name:..... UPC06
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 308
Working Directory:..... C:\Program Files\PLRM\Projects\Project5\Scenario2\
Date First Created:..... 08/09/2011 14:37:16
Date Computed:..... 8/24/2011 1:12:09 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC06	4.86	3034.80	1826.54	8.38	2.84	31.96	3.65

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	169.94	31.08
Evaporation Loss	52.91	9.68
System Surface Discharge..	4.86	0.89
Percolation to Groundwater	112.19	20.52
Continuity Error.....	-0.01%	
Percent Surface Runoff....	2.87%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.86	3030.43	1823.89	8.37	2.84	31.92	3.65
Scenario Total	4.86	3030.43	1823.89	8.37	2.84	31.92	3.65

****
Global Information
****

Project Name:..... UPC07
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 307
Working Directory:..... C:\Program Files\PLRM\Projects\Project6\Scenario2\
Date First Created:..... 08/09/2011 14:50:42
Date Computed:..... 8/24/2011 1:19:38 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC07	5.73	3161.47	1826.32	9.07	1.87	38.70	4.58

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	99.44	31.23
Evaporation Loss	30.42	9.55
System Surface Discharge..	5.73	1.80
Percolation to Groundwater	63.26	19.86
Continuity Error.....	0.03%	
Percent Surface Runoff....	5.75%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.73	3157.06	1823.76	9.05	1.87	38.65	4.58
Scenario Total	5.73	3157.06	1823.76	9.05	1.87	38.65	4.58

****
Global Information
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Project Name:..... UPC08
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 307
Working Directory:..... C:\Program Files\PLRM\Projects\Project7\Scenario3\
Date First Created:..... 9/14/2011 2:03:32 PM
Date Computed:..... 9/14/2011 2:05:27 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC08	10.38	5774.17	3248.44	16.69	2.73	71.57	8.48

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	122.59	31.23
Evaporation Loss	36.33	9.25
System Surface Discharge..	10.38	2.64
Percolation to Groundwater	75.70	19.28
Continuity Error.....	0.15%	
Percent Surface Runoff....	8.45%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	10.38	5764.80	3243.15	16.66	2.72	71.45	8.47
Scenario Total	10.38	5764.80	3243.15	16.66	2.72	71.45	8.47

****
Global Information
****

Project Name:..... UPC08
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 307
Working Directory:..... C:\Program Files\PLRM\Projects\Project7\Scenario4\
Date First Created:..... 9/14/2011 2:07:28 PM
Date Computed:..... 9/14/2011 2:11:51 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC08	10.38	5774.17	3248.44	16.69	2.73	71.57	8.48

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	10.38	5764.80	3243.15	16.66	2.72	71.45	8.47
Bypass Stream	9.12	4998.35	2809.28	14.52	2.39	62.21	7.36
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	9.12	4998.35	2809.28	14.52	2.39	62.21	7.36
Volume/Load Removed	1.25	766.44	433.88	2.14	0.33	9.24	1.11
%Change(Removed/Influent)	12.06%	13.30%	13.36%	12.86%	12.25%	12.93%	13.10%
%Capture(1-Bypass/Influent)	12.06%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	122.59	31.23
Evaporation Loss	36.33	9.25
System Surface Discharge..	9.12	2.32
Percolation to Groundwater	76.96	19.60
Continuity Error.....	0.15%	
Percent Surface Runoff....	7.43%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.12	4998.01	2809.08	14.52	2.39	62.20	7.36
Scenario Total	9.12	4998.01	2809.08	14.52	2.39	62.20	7.36

****
Global Information
****

Project Name:..... UPC09
Scenario Name:..... Baseline
Number of years in simulation :.. 6
Met Grid # simulated:..... 306
Working Directory:..... C:\Program Files\PLRM\Projects\Project79\Scenario1\
Date First Created:..... 03/16/2011 13:30:40
Date Computed:..... 6/9/2011 9:11:26 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC09	0.29	224.98	134.35	0.51	0.05	2.35	0.31

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	11.30	30.81
Evaporation Loss	3.68	10.04
System Surface Discharge..	0.29	0.79
Percolation to Groundwater	7.27	19.84
Continuity Error.....	0.46%	
Percent Surface Runoff....	2.55%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.29	224.55	134.09	0.51	0.05	2.35	0.31
Scenario Total	0.29	224.55	134.09	0.51	0.05	2.35	0.31

****
Global Information
****

Project Name:..... UPC10
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 306
Working Directory:..... C:\Program Files\PLRM\Projects\Project80\Scenario2\
Date First Created:..... 08/09/2011 15:05:32
Date Computed:..... 8/9/2011 3:09:01 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC10	5.22	2659.18	1504.01	8.08	1.37	34.91	4.07

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	59.58	30.81
Evaporation Loss	17.84	9.23
System Surface Discharge..	5.22	2.70
Percolation to Groundwater	36.44	18.84
Continuity Error.....	0.13%	
Percent Surface Runoff....	8.78%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.22	2654.91	1501.58	8.06	1.36	34.86	4.07
Scenario Total	5.22	2654.91	1501.58	8.06	1.36	34.86	4.07

****
Global Information
****

Project Name:..... UPC11
Scenario Name:..... scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 306
Working Directory:..... C:\Program Files\PLRM\Projects\Project81\Scenario3\
Date First Created:..... 9/14/2011 2:29:40 PM
Date Computed:..... 9/14/2011 2:31:40 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC11	8.81	4093.66	2245.45	12.80	2.28	56.78	6.62

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	235.46	30.81
Evaporation Loss	74.79	9.79
System Surface Discharge..	8.81	1.15
Percolation to Groundwater	151.47	19.82
Continuity Error.....	0.16%	
Percent Surface Runoff....	3.74%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	8.81	4086.33	2241.45	12.78	2.28	56.68	6.60
Scenario Total	8.81	4086.33	2241.45	12.78	2.28	56.68	6.60

****
Global Information
****

Project Name:..... UPC11
Scenario Name:..... scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 306
Working Directory:..... C:\Program Files\PLRM\Projects\Project81\Scenario4\
Date First Created:..... 9/14/2011 2:33:49 PM
Date Computed:..... 9/14/2011 2:37:47 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC11	8.81	4093.66	2245.45	12.80	2.28	56.78	6.62

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	8.81	4086.33	2241.45	12.78	2.28	56.68	6.60
Bypass Stream	4.83	2144.41	1168.72	6.92	1.28	30.46	3.51
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	4.83	2144.41	1168.72	6.92	1.28	30.46	3.51
Volume/Load Removed	3.98	1941.92	1072.73	5.86	1.00	26.22	3.10
%Change(Removed/Influent)	45.15%	47.52%	47.86%	45.87%	43.92%	46.26%	46.87%
%Capture(1-Bypass/Influent)	45.15%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	235.46	30.81
Evaporation Loss	74.79	9.79
System Surface Discharge..	4.84	0.63
Percolation to Groundwater	155.44	20.34
Continuity Error.....	0.16%	
Percent Surface Runoff....	2.05%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.83	2144.39	1168.71	6.92	1.28	30.46	3.51
Scenario Total	4.83	2144.39	1168.71	6.92	1.28	30.46	3.51

****
Global Information
****

Project Name:..... UPC12
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 305
Working Directory:..... C:\Program Files\PLRM\Projects\Project82\Scenario3\
Date First Created:..... 9/14/2011 2:52:52 PM
Date Computed:..... 9/14/2011 2:54:40 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC12	4.76	2690.55	1521.90	7.75	1.27	32.72	3.84

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	137.46	33.52
Evaporation Loss	40.33	9.84
System Surface Discharge..	4.76	1.16
Percolation to Groundwater	92.14	22.47
Continuity Error.....	0.17%	
Percent Surface Runoff....	3.46%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.76	2685.70	1519.16	7.74	1.27	32.66	3.83
Scenario Total	4.76	2685.70	1519.16	7.74	1.27	32.66	3.83

****
Global Information
****

Project Name:..... UPC12
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 305
Working Directory:..... C:\Program Files\PLRM\Projects\Project82\Scenario4\
Date First Created:..... 03/11/2011 13:12:01
Date Computed:..... 9/14/2011 3:06:28 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC12	4.76	2690.55	1521.90	7.75	1.27	32.72	3.84

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	4.76	2685.70	1519.16	7.74	1.27	32.66	3.83
Bypass Stream	3.99	2204.08	1244.38	6.41	1.07	27.02	3.16
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	3.99	2204.08	1244.38	6.41	1.07	27.02	3.16
Volume/Load Removed	0.77	481.62	274.78	1.33	0.20	5.64	0.67
%Change(Removed/Influent)	16.15%	17.93%	18.09%	17.15%	16.08%	17.28%	17.60%
%Capture(1-Bypass/Influent)	16.15%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	137.46	33.52
Evaporation Loss	40.33	9.84
System Surface Discharge..	3.99	0.97
Percolation to Groundwater	92.91	22.66
Continuity Error.....	0.17%	
Percent Surface Runoff....	2.90%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.99	2204.27	1244.50	6.41	1.07	27.02	3.16
Scenario Total	3.99	2204.27	1244.50	6.41	1.07	27.02	3.16

****
Global Information
****

Project Name:..... UPC13
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 305
Working Directory:..... C:\Program Files\PLRM\Projects\Project83\Scenario3\
Date First Created:..... 9/14/2011 4:42:42 PM
Date Computed:..... 9/19/2011 11:15:19 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC13	1.86	1039.65	592.70	2.85	0.40	13.15	1.63

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	19.28	33.52
Evaporation Loss	5.45	9.48
System Surface Discharge..	1.86	3.23
Percolation to Groundwater	11.96	20.79
Continuity Error.....	0.07%	
Percent Surface Runoff....	9.63%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.86	1038.38	591.98	2.84	0.40	13.13	1.63
Scenario Total	1.86	1038.38	591.98	2.84	0.40	13.13	1.63

****
Global Information
****

Project Name:..... UPC13
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 305
Working Directory:..... C:\Program Files\PLRM\Projects\Project83\Scenario4\
Date First Created:..... 9/19/2011 11:18:26 AM
Date Computed:..... 9/19/2011 11:29:56 AM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC13	1.86	1039.65	592.70	2.85	0.40	13.15	1.63

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	1.86	1038.38	591.98	2.84	0.40	13.13	1.63
Bypass Stream	1.91	1061.45	605.29	2.90	0.40	13.41	1.66
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	1.91	1061.45	605.29	2.90	0.40	13.41	1.66
Volume/Load Removed	-0.05	-23.07	-13.30	-0.06	-0.01	-0.28	-0.04
%Change(Removed/Influent)	-2.71%	-2.22%	-2.25%	-2.08%	-1.83%	-2.12%	-2.18%
%Capture(1-Bypass/Influent)	-2.71%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	19.28	33.52
Evaporation Loss	5.45	9.48
System Surface Discharge..	1.86	3.23
Percolation to Groundwater	11.96	20.79
Continuity Error.....	0.07%	
Percent Surface Runoff....	9.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.91	838.09	478.02	2.29	0.32	10.58	1.31
Scenario Total	1.91	838.09	478.02	2.29	0.32	10.58	1.31

****
Global Information
****

Project Name:..... UPC14
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project84\Scenario3\
Date First Created:..... 09/19/2011 11:36:46
Date Computed:..... 09/19/2011 11:40:38

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC14	25.69	16194.12	9233.48	41.43	5.45	186.95	23.31

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	294.49	33.52
Evaporation Loss	85.28	9.71
System Surface Discharge..	25.69	2.92
Percolation to Groundwater	183.40	20.88
Continuity Error.....	0.04%	
Percent Surface Runoff....	8.73%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	25.69	16176.79	9223.63	41.39	5.45	186.75	23.29
Scenario Total	25.69	16176.79	9223.63	41.39	5.45	186.75	23.29

****
Global Information
****

Project Name:..... UPC14
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project84\Scenario4\
Date First Created:..... 09/19/2011 11:42:17
Date Computed:..... 09/19/2011 11:47:45

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC14	25.69	16194.12	9233.48	41.43	5.45	186.95	23.31

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	25.69	16176.79	9223.63	41.39	5.45	186.75	23.29
Bypass Stream	24.71	15480.41	8826.42	39.61	5.21	178.72	22.28
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	24.71	15480.41	8826.42	39.61	5.21	178.72	22.28
Volume/Load Removed	0.98	696.38	397.21	1.78	0.23	8.03	1.00
%Change(Removed/Influent)	3.80%	4.30%	4.31%	4.30%	4.28%	4.30%	4.30%
%Capture(1-Bypass/Influent)	3.80%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	294.49	33.52
Evaporation Loss	85.28	9.71
System Surface Discharge..	24.67	2.81
Percolation to Groundwater	184.42	20.99
Continuity Error.....	0.04%	
Percent Surface Runoff....	8.40%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	24.71	15478.53	8825.35	39.61	5.21	178.70	22.28
Scenario Total	24.71	15478.53	8825.35	39.61	5.21	178.70	22.28

****
Global Information
****

Project Name:..... UPC15
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project85\Scenario3\
Date First Created:..... 09/19/2011 11:54:49
Date Computed:..... 09/19/2011 11:56:23

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC15	4.63	2366.39	1311.49	7.17	1.23	30.69	3.56

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	66.23	33.52
Evaporation Loss	18.89	9.56
System Surface Discharge..	4.63	2.34
Percolation to Groundwater	42.67	21.60
Continuity Error.....	0.06%	
Percent Surface Runoff....	7.00%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.63	2362.99	1309.59	7.16	1.23	30.64	3.55
Scenario Total	4.63	2362.99	1309.59	7.16	1.23	30.64	3.55

****
Global Information
****

Project Name:..... UPC15
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project85\Scenario4\
Date First Created:..... 09/19/2011 11:58:40
Date Computed:..... 09/19/2011 12:03:05

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC15	4.63	2366.39	1311.49	7.17	1.23	30.69	3.56

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	4.63	2362.99	1309.59	7.16	1.23	30.64	3.55
Bypass Stream	2.81	1382.93	762.55	4.29	0.76	18.29	2.10
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	2.81	1382.93	762.55	4.29	0.76	18.29	2.10
Volume/Load Removed	1.82	980.06	547.03	2.86	0.47	12.35	1.45
%Change(Removed/Influent)	39.34%	41.48%	41.77%	40.02%	38.19%	40.31%	40.89%
%Capture(1-Bypass/Influent)	39.34%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	66.23	33.52
Evaporation Loss	18.89	9.56
System Surface Discharge..	2.81	1.42
Percolation to Groundwater	44.49	22.52
Continuity Error.....	0.06%	
Percent Surface Runoff....	4.24%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.81	1382.85	762.51	4.29	0.76	18.29	2.10
Scenario Total	2.81	1382.85	762.51	4.29	0.76	18.29	2.10

****
Global Information
****

Project Name:..... UPC16
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project86\Scenario3\
Date First Created:..... 09/19/2011 12:06:24
Date Computed:..... 09/19/2011 12:07:53

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC16	6.57	3762.97	2176.66	10.63	1.65	45.73	5.46

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	78.52	33.52
Evaporation Loss	22.36	9.54
System Surface Discharge..	6.57	2.80
Percolation to Groundwater	49.57	21.16
Continuity Error.....	0.04%	
Percent Surface Runoff....	8.35%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	6.57	3758.18	2173.88	10.62	1.64	45.68	5.45
Scenario Total	6.57	3758.18	2173.88	10.62	1.64	45.68	5.45

****
Global Information
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Project Name:..... UPC16
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project86\Scenario4\
Date First Created:..... 09/19/2011 12:09:43
Date Computed:..... 09/19/2011 12:13:30

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC16	6.57	3762.97	2176.66	10.63	1.65	45.73	5.46

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	6.57	3758.18	2173.88	10.62	1.64	45.68	5.45
Bypass Stream	6.41	3685.04	2134.43	10.34	1.58	44.55	5.33
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	6.41	3685.04	2134.43	10.34	1.58	44.55	5.33
Volume/Load Removed	0.16	73.14	39.44	0.28	0.06	1.13	0.12
%Change(Removed/Influent)	2.38%	1.95%	1.81%	2.60%	3.61%	2.48%	2.21%
%Capture(1-Bypass/Influent)	2.38%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	78.52	33.52
Evaporation Loss	22.36	9.54
System Surface Discharge..	6.56	2.80
Percolation to Groundwater	49.57	21.16
Continuity Error.....	0.05%	
Percent Surface Runoff....	8.15%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	6.41	2265.87	1314.41	6.31	0.96	27.22	3.27
Scenario Total	6.41	2265.87	1314.41	6.31	0.96	27.22	3.27

****
Global Information
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Project Name:..... UPC17
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project87\Scenario3\
Date First Created:..... 03/16/2011 14:48:21
Date Computed:..... 8/9/2011 4:29:05 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC17	11.28	5503.57	2983.66	17.55	3.32	73.00	8.39

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	114.88	33.52
Evaporation Loss	31.18	9.10
System Surface Discharge..	11.28	3.29
Percolation to Groundwater	72.38	21.12
Continuity Error.....	0.03%	
Percent Surface Runoff....	9.81%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	11.28	5495.64	2979.29	17.53	3.31	72.90	8.38
Scenario Total	11.28	5495.64	2979.29	17.53	3.31	72.90	8.38

****
Global Information
****

Project Name:..... UPC17
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 304
Working Directory:..... C:\Program Files\PLRM\Projects\Project87\Scenario5\
Date First Created:..... 09/19/2011 12:22:02
Date Computed:..... 09/19/2011 12:25:59

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC17	9.35	3849.87	2033.06	13.94	2.96	57.13	6.30

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	9.35	3843.10	2029.34	13.92	2.96	57.05	6.29
Bypass Stream	9.06	3684.41	1944.13	13.38	2.85	54.84	6.04
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	9.06	3684.41	1944.13	13.38	2.85	54.84	6.04
Volume/Load Removed	0.28	158.69	85.21	0.53	0.11	2.21	0.25
%Change(Removed/Influent)	3.04%	4.13%	4.20%	3.83%	3.59%	3.87%	3.99%
%Capture(1-Bypass/Influent)	3.04%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	114.88	33.52
Evaporation Loss	31.21	9.11
System Surface Discharge..	9.28	2.71
Percolation to Groundwater	74.36	21.70
Continuity Error.....	0.02%	
Percent Surface Runoff....	7.88%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.06	3662.06	1932.39	13.30	2.83	54.50	6.01
Scenario Total	9.06	3662.06	1932.39	13.30	2.83	54.50	6.01

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Global Information
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Project Name:..... UPC19
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project9\Scenario3\
Date First Created:..... 09/19/2011 12:30:00
Date Computed:..... 9/19/2011 12:31:48 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC19	0.10	24.94	11.84	0.13	0.04	0.53	0.05

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	108.58	29.48
Evaporation Loss	37.23	10.11
System Surface Discharge..	0.10	0.03
Percolation to Groundwater	71.19	19.33
Continuity Error.....	0.05%	
Percent Surface Runoff....	0.09%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.10	24.90	11.82	0.13	0.04	0.52	0.05
Scenario Total	0.10	24.90	11.82	0.13	0.04	0.52	0.05

****
Global Information
****

Project Name:..... UPC19
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project9\Scenario4\
Date First Created:..... 9/19/2011 12:47:21 PM
Date Computed:..... 9/19/2011 12:50:06 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC19	0.10	24.94	11.84	0.13	0.04	0.53	0.05

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	0.10	24.90	11.82	0.13	0.04	0.52	0.05
Bypass Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volume/Load Removed	0.10	24.90	11.82	0.13	0.04	0.52	0.05
%Change(Removed/Influent)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
%Capture(1-Bypass/Influent)	100.00%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	108.58	29.48
Evaporation Loss	37.23	10.11
System Surface Discharge..	0.00	0.00
Percolation to Groundwater	71.29	19.35
Continuity Error.....	0.05%	
Percent Surface Runoff....	0.00%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scenario Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

****
Global Information
****

Project Name:..... UPC20
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project10\Scenario3\
Date First Created:..... 9/19/2011 2:51:21 PM
Date Computed:..... 9/19/2011 2:54:58 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC20	0.22	42.39	18.19	0.28	0.08	1.08	0.09

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	44.71	29.48
Evaporation Loss	15.19	10.02
System Surface Discharge..	0.22	0.14
Percolation to Groundwater	29.18	19.24
Continuity Error.....	0.27%	
Percent Surface Runoff....	0.49%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.22	42.28	18.14	0.28	0.08	1.07	0.09
Scenario Total	0.22	42.28	18.14	0.28	0.08	1.07	0.09

****
Global Information
****

Project Name:..... UPC20
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project10\Scenario4\
Date First Created:..... 9/19/2011 2:56:03 PM
Date Computed:..... 9/19/2011 3:00:45 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC20	0.22	42.39	18.19	0.28	0.08	1.08	0.09

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	0.22	42.28	18.14	0.28	0.08	1.07	0.09
Bypass Stream	0.01	0.84	0.30	0.01	0.00	0.03	0.00
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	0.01	0.84	0.30	0.01	0.00	0.03	0.00
Volume/Load Removed	0.21	41.44	17.84	0.28	0.08	1.05	0.09
%Change(Removed/Influent)	97.37%	98.01%	98.33%	97.53%	97.38%	97.57%	97.71%
%Capture(1-Bypass/Influent)	97.37%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	44.71	29.48
Evaporation Loss	15.19	10.02
System Surface Discharge..	0.01	0.01
Percolation to Groundwater	29.18	19.24
Continuity Error.....	0.74%	
Percent Surface Runoff....	0.01%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.01	0.79	0.28	0.01	0.00	0.02	0.00
Scenario Total	0.01	0.79	0.28	0.01	0.00	0.02	0.00

****
Global Information
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Project Name:.....:..... UPC21
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project11\Scenario3\
Date First Created:..... 9/19/2011 3:03:57 PM
Date Computed:..... 9/19/2011 3:06:27 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC21	1.99	1059.22	584.22	2.67	0.28	14.20	1.87

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	109.56	29.48
Evaporation Loss	37.21	10.01
System Surface Discharge..	1.99	0.54
Percolation to Groundwater	68.36	18.39
Continuity Error.....	1.82%	
Percent Surface Runoff....	1.82%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.99	1058.42	583.78	2.67	0.28	14.19	1.87
Scenario Total	1.99	1058.42	583.78	2.67	0.28	14.19	1.87

****
Global Information
****

Project Name:..... UPC21
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 442
Working Directory:..... C:\Program Files\PLRM\Projects\Project11\Scenario4\
Date First Created:..... 9/19/2011 3:23:35 PM
Date Computed:..... 9/19/2011 3:27:07 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC21	1.99	1059.22	584.22	2.67	0.28	14.20	1.87

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	1.99	1058.42	583.78	2.67	0.28	14.19	1.87
Bypass Stream	1.26	666.86	367.81	1.68	0.17	8.94	1.18
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	1.26	666.86	367.81	1.68	0.17	8.94	1.18
Volume/Load Removed	0.73	391.56	215.97	0.99	0.10	5.25	0.69
%Change(Removed/Influent)	36.81%	36.99%	36.99%	37.00%	37.00%	37.00%	36.99%
%Capture(1-Bypass/Influent)	36.81%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	109.56	29.48
Evaporation Loss	37.21	10.01
System Surface Discharge..	1.26	0.34
Percolation to Groundwater	69.10	18.59
Continuity Error.....	1.82%	
Percent Surface Runoff....	1.15%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.26	666.85	367.81	1.68	0.17	8.94	1.18
Scenario Total	1.26	666.85	367.81	1.68	0.17	8.94	1.18

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Global Information
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Project Name:..... UPC22
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 525
Working Directory:..... C:\Program Files\PLRM\Projects\Project12\Scenario3\
Date First Created:..... 9/19/2011 3:30:18 PM
Date Computed:..... 9/19/2011 3:32:09 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC22	8.92	3653.85	1948.82	12.98	2.64	54.59	5.97

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	852.41	40.00
Evaporation Loss	211.35	9.92
System Surface Discharge..	8.93	0.42
Percolation to Groundwater	632.13	29.66
Continuity Error.....	0.00%	
Percent Surface Runoff....	1.05%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	8.92	3645.23	1944.05	12.96	2.63	54.48	5.96
Scenario Total	8.92	3645.23	1944.05	12.96	2.63	54.48	5.96

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Global Information
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Project Name:..... UPC23
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 556
Working Directory:..... C:\Program Files\PLRM\Projects\Project13\Scenario3\
Date First Created:..... 9/19/2011 4:00:20 PM
Date Computed:..... 9/19/2011 4:54:21 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC23	5.81	6371.10	3945.83	13.46	1.63	49.09	6.09

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	67.13	39.48
Evaporation Loss	15.85	9.32
System Surface Discharge..	5.81	3.42
Percolation to Groundwater	45.53	26.78
Continuity Error.....	-0.10%	
Percent Surface Runoff....	8.66%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.81	6364.04	3941.79	13.45	1.62	49.02	6.08
Scenario Total	5.81	6364.04	3941.79	13.45	1.62	49.02	6.08

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Global Information
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Project Name:..... UPC23
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 556
Working Directory:..... C:\Program Files\PLRM\Projects\Project13\Scenario4\
Date First Created:..... 9/19/2011 4:18:09 PM
Date Computed:..... 9/19/2011 4:26:05 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC23	5.81	6371.10	3945.83	13.46	1.63	49.09	6.09

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	5.81	6364.04	3941.79	13.45	1.62	49.02	6.08
Bypass Stream	5.10	5535.67	3426.89	11.70	1.41	42.69	5.29
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	5.10	5535.67	3426.89	11.70	1.41	42.69	5.29
Volume/Load Removed	0.72	828.37	514.90	1.75	0.21	6.33	0.78
%Change(Removed/Influent)	12.33%	13.02%	13.06%	12.99%	13.02%	12.91%	12.89%
%Capture(1-Bypass/Influent)	12.33%						

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	67.13	39.48
Evaporation Loss	15.85	9.32
System Surface Discharge..	5.09	3.00
Percolation to Groundwater	46.25	27.20
Continuity Error.....	-0.10%	
Percent Surface Runoff....	7.59%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.10	5535.38	3426.83	11.70	1.41	42.69	5.29
Scenario Total	5.10	5535.38	3426.83	11.70	1.41	42.69	5.29

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Global Information
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Project Name:..... UPC24
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 557
Working Directory:..... C:\Program Files\PLRM\Projects\Project14\Scenario3\
Date First Created:..... 9/19/2011 4:07:27 PM
Date Computed:..... 9/19/2011 4:10:48 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC24	10.55	6908.11	3971.25	17.57	2.34	77.80	9.67

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	372.91	39.05
Evaporation Loss	93.64	9.80
System Surface Discharge..	10.56	1.11
Percolation to Groundwater	268.82	28.15
Continuity Error.....	-0.03%	
Percent Surface Runoff....	2.83%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	10.55	6897.97	3965.43	17.55	2.33	77.69	9.66
Scenario Total	10.55	6897.97	3965.43	17.55	2.33	77.69	9.66

****
Global Information
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Project Name:..... UPC24
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 557
Working Directory:..... C:\Program Files\PLRM\Projects\Project14\Scenario4\
Date First Created:..... 9/19/2011 4:12:35 PM
Date Computed:..... 9/19/2011 4:15:58 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC24	10.55	6908.11	3971.25	17.57	2.34	77.80	9.67

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	10.55	6897.97	3965.43	17.55	2.33	77.69	9.66
Bypass Stream	10.51	6829.87	3926.38	17.37	2.31	76.91	9.56
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	10.51	6829.87	3926.38	17.37	2.31	76.91	9.56
Volume/Load Removed	0.04	68.10	39.05	0.18	0.02	0.78	0.10
%Change(Removed/Influent)	0.41%	0.99%	0.98%	1.01%	1.04%	1.00%	0.99%
%Capture(1-Bypass/Influent)	0.41%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	372.91	39.05
Evaporation Loss	93.64	9.80
System Surface Discharge..	10.55	1.10
Percolation to Groundwater	268.82	28.15
Continuity Error.....	-0.03%	
Percent Surface Runoff....	2.82%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	10.51	5253.30	3019.83	13.37	1.78	59.19	7.36
Scenario Total	10.51	5253.30	3019.83	13.37	1.78	59.19	7.36

****
Global Information
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Project Name:..... UPC25
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 557
Working Directory:..... C:\Program Files\PLRM\Projects\Project15\Scenario2\
Date First Created:..... 7/25/2011 2:11:34 PM
Date Computed:..... 8/9/2011 5:04:48 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC25	6.51	11967.01	8506.24	20.90	1.87	65.98	8.48

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	343.94	39.05
Evaporation Loss	87.58	9.94
System Surface Discharge..	6.51	0.74
Percolation to Groundwater	249.86	28.37
Continuity Error.....	0.00%	
Percent Surface Runoff....	1.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	6.51	11948.29	8492.83	20.86	1.87	65.88	8.47
Scenario Total	6.51	11948.29	8492.83	20.86	1.87	65.88	8.47

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Global Information
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Project Name:..... UPC26
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 558
Working Directory:..... C:\Program Files\PLRM\Projects\Project16\Scenario2\
Date First Created:..... 7/25/2011 2:13:31 PM
Date Computed:..... 08/10/2011 12:59:50

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC26	20.64	29444.41	20616.33	55.74	6.09	183.23	22.73

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	922.86	38.59
Evaporation Loss	236.10	9.87
System Surface Discharge..	20.64	0.86
Percolation to Groundwater	666.35	27.86
Continuity Error.....	-0.03%	
Percent Surface Runoff....	2.24%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	20.64	29398.09	20583.19	55.66	6.08	182.98	22.70
Scenario Total	20.64	29398.09	20583.19	55.66	6.08	182.98	22.70

****
Global Information
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Project Name:..... UPC27
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 633
Working Directory:..... C:\Program Files\PLRM\Projects\Project17\Scenario2\
Date First Created:..... 08/10/2011 13:00:55
Date Computed:..... 08/10/2011 13:07:27

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC27	14.19	30272.32	21047.78	53.06	4.69	160.41	20.77

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Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	34.66	34.95
Evaporation Loss	7.46	7.52
System Surface Discharge..	14.19	14.31
Percolation to Groundwater	13.18	13.29
Continuity Error.....	-0.48%	
Percent Surface Runoff....	41.15%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	14.19	30240.56	21025.70	53.00	4.68	160.24	20.74
Scenario Total	14.19	30240.56	21025.70	53.00	4.68	160.24	20.74

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Global Information
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Project Name:..... UPC28
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 632
Working Directory:..... C:\Program Files\PLRM\Projects\Project18\Scenario2\
Date First Created:..... 08/10/2011 13:08:53
Date Computed:..... 8/10/2011 1:25:26 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC28	1.18	1861.42	1285.05	3.41	0.29	11.74	1.53

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	703.51	35.79
Evaporation Loss	196.17	9.98
System Surface Discharge..	1.18	0.06
Percolation to Groundwater	506.18	25.75
Continuity Error.....	0.00%	
Percent Surface Runoff....	0.17%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.18	1860.46	1284.39	3.40	0.29	11.73	1.53
Scenario Total	1.18	1860.46	1284.39	3.40	0.29	11.73	1.53

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Global Information
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Project Name:..... UPC29
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project20\Scenario4\
Date First Created:..... 09/12/2011 15:35:36
Date Computed:..... 09/12/2011 15:37:10

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC29	3.33	3539.46	2081.70	7.27	0.69	29.04	3.82

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.16	22.91
Evaporation Loss	12.07	9.16
System Surface Discharge..	3.33	2.53
Percolation to Groundwater	14.79	11.23
Continuity Error.....	-0.07%	
Percent Surface Runoff....	11.08%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.33	3534.62	2078.85	7.26	0.69	29.00	3.81
Scenario Total	3.33	3534.62	2078.85	7.26	0.69	29.00	3.81

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Global I[illegible]ation
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Project Name:..... UPC29
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project20\Scenario6\
Date First Created:..... 09/12/2011 15:48:06
Date Computed:..... 9/13/2011 7:11:57 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC29	3.33	3539.46	2081.70	7.27	0.69	29.04	3.82

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	3.26	3268.27	1922.20	6.71	0.64	26.82	3.53
Bypass Stream	0.20	139.75	82.19	0.29	0.03	1.15	0.15
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	0.20	139.75	82.19	0.29	0.03	1.15	0.15
Volume/Load Removed	3.05	3128.53	1840.01	6.42	0.61	25.67	3.37
%Change(Removed/Influent)	93.78%	95.72%	95.72%	95.72%	95.72%	95.72%	95.72%
%Capture(1-Bypass/Influent)	93.78%						

Structures	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	3.33	3534.62	2078.85	7.26	0.69	29.00	3.81
Bypass Stream	3.26	3431.37	2018.12	7.05	0.67	28.16	3.70
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	3.26	3431.37	2018.12	7.05	0.67	28.16	3.70
Volume/Load Removed	0.08	103.26	60.73	0.21	0.02	0.85	0.11
%Change(Removed/Influent)	2.26%	2.92%	2.92%	2.92%	2.92%	2.92%	2.92%
%Capture(1-Bypass/Influent)	2.26%						

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.16	22.91
Evaporation Loss	12.07	9.16
System Surface Discharge..	0.20	0.15
Percolation to Groundwater	17.91	13.61
Continuity Error.....	-0.06%	
Percent Surface Runoff....	0.67%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.20	139.80	82.22	0.29	0.03	1.15	0.15
Scenario Total	0.20	139.80	82.22	0.29	0.03	1.15	0.15

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Global Information
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Project Name:..... UPC30
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project19\Scenario4\
Date First Created:..... 09/12/2011 16:52:38
Date Computed:..... 09/12/2011 16:54:56

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC30	1.42	1173.39	711.70	2.73	0.30	11.62	1.48

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	4.97	22.91
Evaporation Loss	1.64	7.58
System Surface Discharge..	1.42	6.53
Percolation to Groundwater	1.91	8.81
Continuity Error.....	-0.07%	
Percent Surface Runoff....	28.46%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.42	1171.44	710.52	2.72	0.30	11.60	1.48
Scenario Total	1.42	1171.44	710.52	2.72	0.30	11.60	1.48

****
Global Information
****

Project Name:..... UPC30
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project19\Scenario5\
Date First Created:..... 09/12/2011 16:52:56
Date Computed:..... 09/12/2011 17:13:03

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC30	1.42	1173.39	711.70	2.73	0.30	11.62	1.48

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	1.42	1171.44	710.52	2.72	0.30	11.60	1.48
Bypass Stream	1.40	1149.22	697.22	2.67	0.29	11.36	1.45
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	1.40	1149.22	697.22	2.67	0.29	11.36	1.45
Volume/Load Removed	0.02	22.22	13.30	0.06	0.01	0.23	0.03
%Change(Removed/Influent)	1.29%	1.90%	1.87%	2.05%	2.43%	2.02%	1.96%
%Capture(1-Bypass/Influent)	1.29%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	4.97	22.91
Evaporation Loss	1.64	7.58
System Surface Discharge..	1.41	6.53
Percolation to Groundwater	1.91	8.81
Continuity Error.....	-0.03%	
Percent Surface Runoff....	28.09%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.40	1149.06	697.12	2.67	0.29	11.36	1.45
Scenario Total	1.40	1149.06	697.12	2.67	0.29	11.36	1.45

****
Global Information
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Project Name:..... UPC31
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project21\Scenario4\
Date First Created:..... 09/13/2011 07:26:23
Date Computed:..... 09/13/2011 07:28:06

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC31	4.91	1548.19	681.02	5.83	1.07	29.37	3.48

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	29.50	23.42
Evaporation Loss	9.89	7.85
System Surface Discharge..	4.91	3.90
Percolation to Groundwater	14.75	11.71
Continuity Error.....	-0.19%	
Percent Surface Runoff....	16.70%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.91	1545.66	679.89	5.82	1.06	29.33	3.47
Scenario Total	4.91	1545.66	679.89	5.82	1.06	29.33	3.47

****
Global Information
****

Project Name:..... UPC31
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project21\Scenario5\
Date First Created:..... 09/13/2011 07:26:37
Date Computed:..... 09/13/2011 07:33:57

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC31	4.91	1548.19	681.02	5.83	1.07	29.37	3.48

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	4.93	1451.91	638.57	5.47	1.00	27.55	3.26
Bypass Stream	1.14	278.15	121.80	1.08	0.21	5.37	0.63
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	1.14	278.15	121.80	1.08	0.21	5.37	0.63
Volume/Load Removed	3.79	1173.76	516.77	4.39	0.79	22.18	2.63
%Change(Removed/Influent)	76.80%	80.84%	80.93%	80.20%	79.37%	80.50%	80.75%
%Capture(1-Bypass/Influent)	76.80%						

Structures	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	4.91	1545.66	679.89	5.82	1.06	29.33	3.47
Bypass Stream	4.93	1542.33	678.37	5.81	1.06	29.26	3.46
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	4.93	1542.33	678.37	5.81	1.06	29.26	3.46
Volume/Load Removed	-0.02	3.33	1.52	0.01	0.00	0.06	0.01
%Change(Removed/Influent)	-0.43%	0.22%	0.22%	0.24%	0.26%	0.22%	0.20%
%Capture(1-Bypass/Influent)	-0.43%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	29.50	23.42
Evaporation Loss	9.89	7.85
System Surface Discharge..	1.15	0.91
Percolation to Groundwater	18.52	14.70
Continuity Error.....	-0.18%	
Percent Surface Runoff....	3.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.14	278.31	121.87	1.08	0.21	5.38	0.63
Scenario Total	1.14	278.31	121.87	1.08	0.21	5.38	0.63

****
Global Information
****

Project Name:..... UPC32
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project22\Scenario4\
Date First Created:..... 09/13/2011 07:41:59
Date Computed:..... 09/13/2011 07:43:15

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC32	5.78	3118.97	1712.69	9.02	1.49	38.50	4.53

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.18	22.91
Evaporation Loss	10.12	7.68
System Surface Discharge..	5.78	4.39
Percolation to Groundwater	14.33	10.88
Continuity Error.....	-0.17%	
Percent Surface Runoff....	19.28%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.78	3113.87	1709.85	9.00	1.49	38.45	4.52
Scenario Total	5.78	3113.87	1709.85	9.00	1.49	38.45	4.52

****
Global Information
****

Project Name:..... UPC32
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 778
Working Directory:..... C:\Program Files\PLRM\Projects\Project22\Scenario5\
Date First Created:..... 09/13/2011 07:44:24
Date Computed:..... 09/13/2011 07:59:13

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC32	5.78	3118.97	1712.69	9.02	1.49	38.50	4.53

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	5.75	1906.54	1049.24	5.44	0.89	23.30	2.75
Bypass Stream	4.35	1118.87	617.49	3.14	0.50	13.50	1.61
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	4.35	1118.87	617.49	3.14	0.50	13.50	1.61
Volume/Load Removed	1.40	787.66	431.76	2.30	0.39	9.80	1.15
%Change(Removed/Influent)	24.31%	41.31%	41.15%	42.23%	43.49%	42.07%	41.71%
%Capture(1-Bypass/Influent)	24.31%						

Structures	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	5.78	3113.87	1709.85	9.00	1.49	38.45	4.52
Bypass Stream	5.75	3082.90	1693.63	8.89	1.47	37.98	4.47
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	5.75	3082.90	1693.63	8.89	1.47	37.98	4.47
Volume/Load Removed	0.03	30.97	16.22	0.11	0.02	0.46	0.05
%Change(Removed/Influent)	0.56%	0.99%	0.95%	1.25%	1.59%	1.21%	1.10%
%Capture(1-Bypass/Influent)	0.56%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.18	22.91
Evaporation Loss	10.12	7.68
System Surface Discharge..	4.35	3.30
Percolation to Groundwater	15.76	11.96
Continuity Error.....	-0.14%	
Percent Surface Runoff....	14.51%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.35	1120.63	618.44	3.15	0.50	13.52	1.61
Scenario Total	4.35	1120.63	618.44	3.15	0.50	13.52	1.61

****
Global Information
****

Project Name:..... UPC33
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project23\Scenario4\
Date First Created:..... 09/13/2011 08:01:03
Date Computed:..... 09/13/2011 08:03:17

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC33	3.93	1567.45	793.73	5.52	1.09	23.97	2.71

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.85	23.42
Evaporation Loss	10.29	7.81
System Surface Discharge..	3.93	2.98
Percolation to Groundwater	16.70	12.68
Continuity Error.....	-0.24%	
Percent Surface Runoff....	12.70%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.93	1564.24	792.04	5.52	1.09	23.93	2.71
Scenario Total	3.93	1564.24	792.04	5.52	1.09	23.93	2.71

****
Global Information
****

Project Name:..... UPC33
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project23\Scenario5\
Date First Created:..... 09/13/2011 08:04:09
Date Computed:..... 09/13/2011 08:08:44

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC33	3.93	1567.45	793.73	5.52	1.09	23.97	2.71

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	4.08	1437.11	727.29	5.08	1.01	22.03	2.49
Bypass Stream	2.47	632.53	318.21	2.30	0.47	9.92	1.11
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	2.47	632.53	318.21	2.30	0.47	9.92	1.11
Volume/Load Removed	1.60	804.58	409.07	2.78	0.54	12.10	1.38
%Change(Removed/Influent)	39.30%	55.99%	56.25%	54.65%	53.35%	54.95%	55.43%
%Capture(1-Bypass/Influent)	39.30%						

Structures	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	3.93	1564.24	792.04	5.52	1.09	23.93	2.71
Bypass Stream	4.08	1620.35	821.20	5.69	1.12	24.70	2.80
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	4.08	1620.35	821.20	5.69	1.12	24.70	2.80
Volume/Load Removed	-0.14	-56.10	-29.17	-0.17	-0.03	-0.77	-0.09
%Change(Removed/Influent)	-3.68%	-3.59%	-3.68%	-3.11%	-2.65%	-3.22%	-3.40%
%Capture(1-Bypass/Influent)	-3.68%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	30.85	23.42
Evaporation Loss	10.29	7.81
System Surface Discharge..	2.47	1.88
Percolation to Groundwater	18.16	13.78
Continuity Error.....	-0.23%	
Percent Surface Runoff....	7.99%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.47	632.73	318.29	2.31	0.47	9.93	1.11
Scenario Total	2.47	632.73	318.29	2.31	0.47	9.93	1.11

****
Global Information
****

Project Name:..... UPC34
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project24\Scenario3\
Date First Created:..... 09/13/2011 08:10:29
Date Computed:..... 09/13/2011 08:11:47

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC34	7.11	2213.36	1038.91	5.52	1.38	22.14	2.47

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	53.09	23.42
Evaporation Loss	16.89	7.45
System Surface Discharge..	7.12	3.14
Percolation to Groundwater	29.16	12.86
Continuity Error.....	-0.14%	
Percent Surface Runoff....	13.47%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	7.11	2207.57	1035.75	5.50	1.38	22.09	2.46
Scenario Total	7.11	2207.57	1035.75	5.50	1.38	22.09	2.46

****
Global Information
****

Project Name:..... UPC34
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project24\Scenario4\
Date First Created:..... 09/13/2011 08:20:35
Date Computed:..... 09/13/2011 08:23:47

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC34	7.11	2213.36	1038.91	5.52	1.38	22.14	2.47

****
Storm Water Treatment
****

Structures	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	7.11	2207.57	1035.75	5.50	1.38	22.09	2.46
Bypass Stream	7.00	2122.91	989.71	5.31	1.33	21.32	2.37
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	7.00	2122.91	989.71	5.31	1.33	21.32	2.37
Volume/Load Removed	0.12	84.66	46.04	0.20	0.05	0.78	0.09
%Change(Removed/Influent)	1.62%	3.84%	4.45%	3.57%	3.58%	3.51%	3.79%
%Capture(1-Bypass/Influent)	1.62%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	53.09	23.42
Evaporation Loss	16.89	7.45
System Surface Discharge..	7.08	3.12
Percolation to Groundwater	29.16	12.86
Continuity Error.....	-0.07%	
Percent Surface Runoff....	13.26%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	7.00	1411.46	658.61	3.51	0.86	14.13	1.57
Scenario Total	7.00	1411.46	658.61	3.51	0.86	14.13	1.57

****
Global Information
****

Project Name:..... UPC35
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 842
Working Directory:..... C:\Program Files\PLRM\Projects\Project25\Scenario4\
Date First Created:..... 09/13/2011 08:25:30
Date Computed:..... 09/13/2011 08:28:45

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC35	1.04	1169.58	716.38	2.42	0.23	9.54	1.25

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	38.70	24.57
Evaporation Loss	15.29	9.71
System Surface Discharge..	1.04	0.66
Percolation to Groundwater	22.38	14.21
Continuity Error.....	-0.03%	
Percent Surface Runoff....	2.70%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	1.04	1167.80	715.29	2.42	0.22	9.53	1.25
Scenario Total	1.04	1167.80	715.29	2.42	0.22	9.53	1.25

****
Global Information
****

Project Name:..... UPC35
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 842
Working Directory:..... C:\Program Files\PLRM\Projects\Project25\Scenario5\
Date First Created:..... 09/13/2011 08:29:36
Date Computed:..... 09/20/2011 07:29:56

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC35	1.04	1169.58	716.38	2.42	0.23	9.54	1.25

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	1.04	1167.80	715.29	2.42	0.22	9.53	1.25
Bypass Stream	0.07	79.76	48.85	0.17	0.02	0.65	0.09
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	0.07	79.76	48.85	0.17	0.02	0.65	0.09
Volume/Load Removed	0.97	1088.04	666.44	2.25	0.21	8.88	1.17
%Change(Removed/Influent)	93.09%	93.17%	93.17%	93.17%	93.17%	93.17%	93.17%
%Capture(1-Bypass/Influent)	93.09%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	38.70	24.57
Evaporation Loss	15.29	9.71
System Surface Discharge..	0.07	0.05
Percolation to Groundwater	23.35	14.82
Continuity Error.....	-0.03%	
Percent Surface Runoff....	0.19%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.07	79.74	48.84	0.17	0.02	0.65	0.09
Scenario Total	0.07	79.74	48.84	0.17	0.02	0.65	0.09

****
Global Information
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Project Name:..... UPC36
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project26\Scenario4\
Date First Created:..... 09/14/2011 07:25:50
Date Computed:..... 09/14/2011 07:27:17

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC36	0.83	942.19	577.06	1.95	0.18	7.63	1.00

****
Storm Water Treatment
****

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	5.07	23.42
Evaporation Loss	1.79	8.24
System Surface Discharge..	0.83	3.82
Percolation to Groundwater	2.47	11.38
Continuity Error.....	-0.12%	
Percent Surface Runoff....	16.32%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.83	940.65	576.12	1.94	0.18	7.62	1.00
Scenario Total	0.83	940.65	576.12	1.94	0.18	7.62	1.00

****
Global Information
****

Project Name:..... UPC36
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project26\Scenario6\
Date First Created:..... 09/14/2011 07:28:57
Date Computed:..... 09/14/2011 07:37:17

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC36	0.83	942.19	577.06	1.95	0.18	7.63	1.00

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	0.83	940.65	576.12	1.94	0.18	7.62	1.00
Bypass Stream	0.00	0.10	0.06	0.00	0.00	0.00	0.00
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	0.00	0.10	0.06	0.00	0.00	0.00	0.00
Volume/Load Removed	0.83	940.55	576.06	1.94	0.18	7.62	1.00
%Change(Removed/Influent)	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
%Capture(1-Bypass/Influent)	99.99%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	5.07	23.42
Evaporation Loss	1.79	8.24
System Surface Discharge..	0.00	0.00
Percolation to Groundwater	3.29	15.20
Continuity Error.....	-0.12%	
Percent Surface Runoff....	0.00%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.00	0.10	0.06	0.00	0.00	0.00	0.00
Scenario Total	0.00	0.10	0.06	0.00	0.00	0.00	0.00

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Global Information
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Project Name:..... UPC37
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 809
Working Directory:..... C:\Program Files\PLRM\Projects\Project27\Scenario4\
Date First Created:..... 09/14/2011 07:39:52
Date Computed:..... 09/16/2011 15:54:07

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC37	0.51	267.84	150.41	0.75	0.11	3.55	0.44

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Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	5.07	23.42
Evaporation Loss	1.95	8.98
System Surface Discharge..	0.51	2.36
Percolation to Groundwater	2.59	11.95
Continuity Error.....	0.56%	
Percent Surface Runoff....	9.97%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.51	267.14	150.02	0.75	0.11	3.55	0.44
Scenario Total	0.51	267.14	150.02	0.75	0.11	3.55	0.44

****
Global Information
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Project Name:..... UPC38
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 885
Working Directory:..... C:\Program Files\PLRM\Projects\Project28\Scenario4\
Date First Created:..... 09/14/2011 07:45:05
Date Computed:..... 09/14/2011 07:46:19

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC38	14.24	7369.42	4034.38	21.02	3.18	96.79	11.71

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Storm Water Treatment
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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	774.44	28.79
Evaporation Loss	265.11	9.86
System Surface Discharge..	14.25	0.53
Percolation to Groundwater	495.18	18.41
Continuity Error.....	-0.01%	
Percent Surface Runoff....	1.84%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	14.24	7355.20	4026.82	20.98	3.18	96.60	11.69
Scenario Total	14.24	7355.20	4026.82	20.98	3.18	96.60	11.69

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Global Information
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Project Name:..... UPC39
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 841
Working Directory:..... C:\Program Files\PLRM\Projects\Project29\Scenario4\
Date First Created:..... 9/14/2011 8:12:11 AM
Date Computed:..... 9/14/2011 8:13:29 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC39	5.64	3292.95	1803.57	9.14	1.43	39.30	4.72

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	44.37	25.84
Evaporation Loss	14.84	8.64
System Surface Discharge..	5.64	3.28
Percolation to Groundwater	23.88	13.90
Continuity Error.....	0.03%	
Percent Surface Runoff....	12.72%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.64	3286.27	1799.91	9.12	1.42	39.22	4.71
Scenario Total	5.64	3286.27	1799.91	9.12	1.42	39.22	4.71

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Global Information
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Project Name:..... UPC40
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 842
Working Directory:..... C:\Program Files\PLRM\Projects\Project88\Scenario4\
Date First Created:..... 9/14/2011 8:13:45 AM
Date Computed:..... 9/14/2011 8:15:30 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC40	16.03	11458.21	6555.19	28.47	4.07	118.98	14.68

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	294.03	24.57
Evaporation Loss	113.00	9.44
System Surface Discharge..	16.04	1.34
Percolation to Groundwater	165.03	13.79
Continuity Error.....	-0.01%	
Percent Surface Runoff....	5.45%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	16.03	11436.50	6542.97	28.42	4.06	118.75	14.65
Scenario Total	16.03	11436.50	6542.97	28.42	4.06	118.75	14.65

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Global Information
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Project Name:..... UPC40
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 842
Working Directory:..... C:\Program Files\PLRM\Projects\Project88\Scenario5\
Date First Created:..... 9/14/2011 8:16:25 AM
Date Computed:..... 9/14/2011 8:19:49 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC40	16.03	11458.21	6555.19	28.47	4.07	118.98	14.68

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	16.03	11436.50	6542.97	28.42	4.06	118.75	14.65
Bypass Stream	15.67	11063.18	6329.57	27.49	3.93	114.87	14.17
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	15.67	11063.18	6329.57	27.49	3.93	114.87	14.17
Volume/Load Removed	0.36	373.32	213.40	0.93	0.13	3.89	0.48
%Change(Removed/Influent)	2.26%	3.26%	3.26%	3.27%	3.29%	3.27%	3.27%
%Capture(1-Bypass/Influent)	2.26%						

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	294.03	24.57
Evaporation Loss	113.00	9.44
System Surface Discharge..	15.60	1.30
Percolation to Groundwater	165.46	13.83
Continuity Error.....	-0.01%	
Percent Surface Runoff....	5.33%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	15.67	11053.14	6324.08	27.46	3.92	114.76	14.16
Scenario Total	15.67	11053.14	6324.08	27.46	3.92	114.76	14.16

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Global Information
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Project Name:..... UPC41
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 840
Working Directory:..... C:\Program Files\PLRM\Projects\Project30\Scenario4\
Date First Created:..... 9/19/2011 7:41:57 AM
Date Computed:..... 9/19/2011 7:43:03 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC41	9.03	4263.67	2352.12	12.93	2.08	59.65	7.15

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	51.85	27.04
Evaporation Loss	15.89	8.29
System Surface Discharge..	9.04	4.71
Percolation to Groundwater	27.03	14.10
Continuity Error.....	-0.20%	
Percent Surface Runoff....	17.37%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.03	4257.65	2348.77	12.91	2.08	59.57	7.14
Scenario Total	9.03	4257.65	2348.77	12.91	2.08	59.57	7.14

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Global In[illegible]tion
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Project Name:..... UPC42
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 807
Working Directory:..... C:\Program Files\PLRM\Projects\Project31\Scenario4\
Date First Created:..... 9/19/2011 7:45:47 AM
Date Computed:..... 9/19/2011 7:46:49 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC42	17.38	6877.36	3585.48	22.17	3.65	109.49	13.20

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	100.73	25.98
Evaporation Loss	32.13	8.29
System Surface Discharge..	17.38	4.48
Percolation to Groundwater	51.41	13.26
Continuity Error.....	-0.20%	
Percent Surface Runoff....	17.28%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	17.38	6867.78	3580.44	22.14	3.64	109.34	13.18
Scenario Total	17.38	6867.78	3580.44	22.14	3.64	109.34	13.18

****
Global Information
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Project Name:..... UPC43
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 807
Working Directory:..... C:\Program Files\PLRM\Projects\Project32\Scenario4\
Date First Created:..... 9/19/2011 7:48:40 AM
Date Computed:..... 9/19/2011 7:49:41 AM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC43	4.38	1503.70	745.62	5.23	0.90	26.86	3.24

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	24.05	25.98
Evaporation Loss	7.56	8.17
System Surface Discharge..	4.39	4.74
Percolation to Groundwater	12.15	13.12
Continuity Error.....	-0.20%	
Percent Surface Runoff....	18.20%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.38	1501.73	744.64	5.22	0.90	26.83	3.23
Scenario Total	4.38	1501.73	744.64	5.22	0.90	26.83	3.23

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Global Information
****

Project Name:..... UPC44
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 808
Working Directory:..... C:\Program Files\PLRM\Projects\Project33\Scenario4\
Date First Created:..... 9/19/2011 7:50:12 AM
Date Computed:..... 9/19/2011 8:02:09 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC44	31.61	15684.13	8741.08	45.32	6.94	215.67	27.10

****
Storm Water Treatment
****

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	197.00	24.68
Evaporation Loss	66.71	8.36
System Surface Discharge..	31.62	3.96
Percolation to Groundwater	99.03	12.40
Continuity Error.....	-0.18%	
Percent Surface Runoff....	16.05%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	31.61	15658.60	8726.35	45.26	6.93	215.36	27.06
Scenario Total	31.61	15658.60	8726.35	45.26	6.93	215.36	27.06

****
Global Information
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Project Name:..... UPC44
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 808
Working Directory:..... C:\Program Files\PLRM\Projects\Project33\Scenario5\
Date First Created:..... 9/19/2011 7:58:34 AM
Date Computed:..... 9/19/2011 8:00:45 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC44	31.61	15684.13	8741.08	45.32	6.94	215.67	27.10

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	31.61	15658.60	8726.35	45.26	6.93	215.36	27.06
Bypass Stream	16.05	7868.08	4383.13	22.89	3.55	108.65	13.63
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	16.05	7868.08	4383.13	22.89	3.55	108.65	13.63
Volume/Load Removed	15.56	7790.52	4343.22	22.37	3.38	106.71	13.43
%Change(Removed/Influent)	49.21%	49.75%	49.77%	49.42%	48.82%	49.55%	49.62%
%Capture(1-Bypass/Influent)	49.21%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	197.00	24.68
Evaporation Loss	66.71	8.36
System Surface Discharge..	16.06	2.01
Percolation to Groundwater	114.59	14.35
Continuity Error.....	-0.18%	
Percent Surface Runoff....	8.15%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	16.05	7868.31	4383.27	22.89	3.55	108.65	13.63
Scenario Total	16.05	7868.31	4383.27	22.89	3.55	108.65	13.63

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Global In[illegible]tion
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Project Name:..... UPC45
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 808
Working Directory:..... C:\Program Files\PLRM\Projects\Project34\Scenario4\
Date First Created:..... 9/19/2011 8:06:21 AM
Date Computed:..... 9/19/2011 8:07:36 AM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC45	2.67	770.73	346.86	2.76	0.47	15.52	1.91

****
Storm Water Treatment
****

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	11.73	24.68
Evaporation Loss	3.69	7.76
System Surface Discharge..	2.67	5.63
Percolation to Groundwater	5.39	11.35
Continuity Error.....	-0.23%	
Percent Surface Runoff....	22.85%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.67	770.02	346.55	2.76	0.47	15.51	1.91
Scenario Total	2.67	770.02	346.55	2.76	0.47	15.51	1.91

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Global In[illegible]ition
**********[illegible]******

Project Name:..... UPC46
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 808
Working Directory:..... C:\Program Files\PLRM\Projects\Project35\Scenario4\
Date First Created:..... 9/19/2011 8:13:04 AM
Date Computed:..... 9/19/2011 8:14:56 AM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC46	5.85	1228.29	462.47	5.82	1.26	30.62	3.43

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	31.07	24.68
Evaporation Loss	9.76	7.75
System Surface Discharge..	5.85	4.64
Percolation to Groundwater	15.53	12.33
Continuity Error.....	-0.22%	
Percent Surface Runoff....	18.93%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.85	1227.10	462.02	5.81	1.26	30.59	3.42
Scenario Total	5.85	1227.10	462.02	5.81	1.26	30.59	3.42

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Global In tion
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Project Name:..... UPC47
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 808
Working Directory:..... C:\Program Files\PLRM\Projects\Project36\Scenario4\
Date First Created:..... 9/19/2011 8:16:56 AM
Date Computed:..... 9/19/2011 8:18:13 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC47	3.65	750.32	267.96	3.39	0.68	19.19	2.22

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	14.61	24.68
Evaporation Loss	4.33	7.32
System Surface Discharge..	3.65	6.16
Percolation to Groundwater	6.67	11.27
Continuity Error.....	-0.26%	
Percent Surface Runoff....	25.25%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.65	749.69	267.73	3.39	0.68	19.17	2.22
Scenario Total	3.65	749.69	267.73	3.39	0.68	19.17	2.22

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Global In[illegible]tion
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Project Name:..... UPC48
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 775
Working Directory:..... C:\Program Files\PLRM\Projects\Project37\Scenario4\
Date First Created:..... 9/19/2011 8:20:15 AM
Date Computed:..... 9/19/2011 8:26:10 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC48	3.78	4297.83	2645.57	8.86	0.96	34.56	4.52

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	115.88	26.08
Evaporation Loss	43.31	9.75
System Surface Discharge..	3.78	0.85
Percolation to Groundwater	68.81	15.49
Continuity Error.....	-0.02%	
Percent Surface Runoff....	3.26%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.78	4291.74	2641.82	8.85	0.96	34.51	4.52
Scenario Total	3.78	4291.74	2641.82	8.85	0.96	34.51	4.52

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Global Information
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Project Name:..... UPC49
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 776
Working Directory:..... C:\Program Files\PLRM\Projects\Project38\Scenario4\
Date First Created:..... 9/19/2011 8:31:46 AM
Date Computed:..... 9/19/2011 8:32:56 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC49	4.33	1666.69	866.04	5.58	0.99	26.51	3.10

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	19.52	24.90
Evaporation Loss	5.89	7.51
System Surface Discharge..	4.33	5.53
Percolation to Groundwater	9.35	11.93
Continuity Error.....	-0.28%	
Percent Surface Runoff....	22.11%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.33	1664.57	864.93	5.58	0.99	26.48	3.10
Scenario Total	4.33	1664.57	864.93	5.58	0.99	26.48	3.10

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Global Information
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Project Name:..... UPC50rev
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 775
Working Directory:..... C:\Program Files\PLRM\Projects\Project5\Scenario4\
Date First Created:..... 09/20/2011 07:21:01
Date Computed:..... 09/20/2011 07:26:19

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC50	22.34	8667.07	4507.55	28.54	4.84	139.63	16.70

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	181.34	26.08
Evaporation Loss	60.76	8.74
System Surface Discharge..	22.35	3.21
Percolation to Groundwater	98.49	14.17
Continuity Error.....	-0.14%	
Percent Surface Runoff....	12.34%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	22.34	8655.16	4501.24	28.51	4.83	139.45	16.68
Scenario Total	22.34	8655.16	4501.24	28.51	4.83	139.45	16.68

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Global Information
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Project Name:..... UPC51
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 745
Working Directory:..... C:\Program Files\PLRM\Projects\Project40\Scenario4\
Date First Created:..... 9/19/2011 8:37:29 AM
Date Computed:..... 9/19/2011 9:24:56 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC51	4.54	926.20	345.95	4.69	1.08	23.74	2.59

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	25.79	28.91
Evaporation Loss	6.95	7.79
System Surface Discharge..	4.55	5.09
Percolation to Groundwater	14.37	16.11
Continuity Error.....	-0.26%	
Percent Surface Runoff....	17.59%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.54	924.98	345.50	4.68	1.08	23.71	2.59
Scenario Total	4.54	924.98	345.50	4.68	1.08	23.71	2.59

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Global In[illegible]tion
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Project Name:..... UPC52
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 744
Working Directory:..... C:\Program Files\PLRM\Projects\Project41\Scenario4\
Date First Created:..... 9/19/2011 9:27:18 AM
Date Computed:..... 9/19/2011 9:28:22 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC52	9.19	2628.10	1196.07	10.06	1.88	52.75	6.20

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	43.75	30.16
Evaporation Loss	11.31	7.80
System Surface Discharge..	9.19	6.34
Percolation to Groundwater	23.36	16.10
Continuity Error.....	-0.27%	
Percent Surface Runoff....	20.91%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.19	2624.91	1194.60	10.05	1.88	52.69	6.19
Scenario Total	9.19	2624.91	1194.60	10.05	1.88	52.69	6.19

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Global Information
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Project Name:..... UPC53
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 774
Working Directory:..... C:\Program Files\PLRM\Projects\Project89\Scenario4\
Date First Created:..... 9/19/2011 9:32:58 AM
Date Computed:..... 9/19/2011 9:34:01 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC53	6.23	6962.18	4262.52	14.43	1.35	56.69	7.43

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	36.14	27.27
Evaporation Loss	11.59	8.75
System Surface Discharge..	6.23	4.71
Percolation to Groundwater	18.41	13.89
Continuity Error.....	-0.26%	
Percent Surface Runoff....	17.37%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	6.23	6954.46	4257.79	14.41	1.35	56.63	7.42
Scenario Total	6.23	6954.46	4257.79	14.41	1.35	56.63	7.42

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Global Information
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Project Name:..... UPC54
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project90\Scenario4\
Date First Created:..... 9/19/2011 9:36:17 AM
Date Computed:..... 9/19/2011 11:57:15 AM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC54	4.52	9614.29	6685.90	16.86	1.47	51.01	6.60

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	13.78	32.42
Evaporation Loss	3.48	8.19
System Surface Discharge..	4.53	10.65
Percolation to Groundwater	5.81	13.66
Continuity Error.....	-0.23%	
Percent Surface Runoff....	33.41%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.52	9608.13	6681.62	16.85	1.47	50.98	6.60
Scenario Total	4.52	9608.13	6681.62	16.85	1.47	50.98	6.60

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Global Information
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Project Name:..... UPC55
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 704
Working Directory:..... C:\Program Files\PLRM\Projects\Project42\Scenario2\
Date First Created:..... 08/22/2011 15:25:32
Date Computed:..... 8/22/2011 5:33:48 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC55	2.59	2103.22	1345.29	5.26	0.81	19.23	2.22

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	35.02	34.15
Evaporation Loss	9.25	9.03
System Surface Discharge..	2.59	2.53
Percolation to Groundwater	23.19	22.62
Continuity Error.....	-0.07%	
Percent Surface Runoff....	7.45%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.59	2098.86	1342.48	5.25	0.80	19.20	2.21
Scenario Total	2.59	2098.86	1342.48	5.25	0.80	19.20	2.21

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Global Information
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Project Name:..... UPC56
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 704
Working Directory:..... C:\Program Files\PLRM\Projects\Project43\Scenario2\
Date First Created:..... 08/23/2011 12:58:10
Date Computed:..... 8/23/2011 1:05:56 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC56	0.93	679.02	359.93	1.62	0.19	7.44	0.96

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	5.98	34.15
Evaporation Loss	1.52	8.71
System Surface Discharge..	0.93	5.34
Percolation to Groundwater	3.52	20.10
Continuity Error.....	0.03%	
Percent Surface Runoff....	15.60%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.93	677.93	359.36	1.62	0.19	7.43	0.95
Scenario Total	0.93	677.93	359.36	1.62	0.19	7.43	0.95

****
Global Information
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Project Name:..... UPC57
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 704
Working Directory:..... C:\Program Files\PLRM\Projects\Project44\Scenario2\
Date First Created:..... 8/23/2011 1:36:43 PM
Date Computed:..... 8/23/2011 1:42:21 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC57	0.96	671.65	354.74	1.65	0.20	7.51	0.95

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	9.96	34.15
Evaporation Loss	2.64	9.04
System Surface Discharge..	0.96	3.30
Percolation to Groundwater	6.34	21.74
Continuity Error.....	0.20%	
Percent Surface Runoff....	9.79%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	0.96	670.56	354.17	1.65	0.20	7.50	0.95
Scenario Total	0.96	670.56	354.17	1.65	0.20	7.50	0.95

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Global Information
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Project Name:..... UPC58
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 704
Working Directory:..... C:\Program Files\PLRM\Projects\Project45\Scenario2\
Date First Created:..... 8/23/2011 1:44:54 PM
Date Computed:..... 8/23/2011 1:50:07 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC58	4.43	1994.97	998.65	5.92	0.89	29.44	3.63

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	44.69	34.15
Evaporation Loss	11.83	9.04
System Surface Discharge..	4.43	3.38
Percolation to Groundwater	28.48	21.77
Continuity Error.....	-0.12%	
Percent Surface Runoff....	9.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.43	1992.20	997.26	5.91	0.89	29.40	3.62
Scenario Total	4.43	1992.20	997.26	5.91	0.89	29.40	3.62

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Global Information
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Project Name:..... UPC59
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project46\Scenario3\
Date First Created:..... 8/23/2011 1:53:40 PM
Date Computed:..... 8/23/2011 1:58:37 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC59	10.99	7671.69	4327.32	19.95	3.12	78.27	9.24

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	95.14	32.42
Evaporation Loss	25.96	8.85
System Surface Discharge..	10.99	3.75
Percolation to Groundwater	58.35	19.89
Continuity Error.....	-0.18%	
Percent Surface Runoff....	11.56%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	10.99	7659.46	4320.27	19.93	3.12	78.16	9.22
Scenario Total	10.99	7659.46	4320.27	19.93	3.12	78.16	9.22

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Global Information
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Project Name:..... UPC60
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project47\Scenario2\
Date First Created:..... 8/23/2011 2:03:21 PM
Date Computed:..... 8/23/2011 2:08:35 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC60	26.03	20964.45	12404.45	49.19	6.38	200.03	24.88

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	218.36	32.42
Evaporation Loss	59.79	8.88
System Surface Discharge..	26.03	3.87
Percolation to Groundwater	132.85	19.73
Continuity Error.....	-0.14%	
Percent Surface Runoff....	11.93%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	26.03	20916.89	12372.29	49.11	6.37	199.73	24.85
Scenario Total	26.03	20916.89	12372.29	49.11	6.37	199.73	24.85

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Global Information
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Project Name:..... UPC61
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 743
Working Directory:..... C:\Program Files\PLRM\Projects\Project48\Scenario2\
Date First Created:..... 8/23/2011 2:11:23 PM
Date Computed:..... 8/23/2011 2:15:39 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC61	4.46	3220.61	1772.12	8.08	1.13	33.77	4.14

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	36.65	31.41
Evaporation Loss	10.30	8.83
System Surface Discharge..	4.47	3.83
Percolation to Groundwater	21.93	18.79
Continuity Error.....	-0.13%	
Percent Surface Runoff....	12.10%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	4.46	3216.12	1769.65	8.07	1.13	33.72	4.13
Scenario Total	4.46	3216.12	1769.65	8.07	1.13	33.72	4.13

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Global Information
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Project Name:..... UPC62
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 743
Working Directory:..... C:\Program Files\PLRM\Projects\Project49\Scenario2\
Date First Created:..... 8/23/2011 2:17:50 PM
Date Computed:..... 8/23/2011 2:20:49 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC62	5.43	2889.86	1686.19	8.12	1.24	36.68	4.44

****
Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	26.97	31.41
Evaporation Loss	6.89	8.03
System Surface Discharge..	5.43	6.32
Percolation to Groundwater	14.72	17.14
Continuity Error.....	-0.23%	
Percent Surface Runoff....	20.15%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.43	2886.01	1683.92	8.11	1.24	36.63	4.44
Scenario Total	5.43	2886.01	1683.92	8.11	1.24	36.63	4.44

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Global Information
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Project Name:..... UPC63
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 743
Working Directory:..... C:\Program Files\PLRM\Projects\Project50\Scenario2\
Date First Created:..... 8/23/2011 2:34:16 PM
Date Computed:..... 8/23/2011 2:39:38 PM

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Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC63	48.90	28340.14	15750.63	75.77	11.19	337.84	41.19

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Storm Water Treatment
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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	323.61	31.41
Evaporation Loss	88.04	8.54
System Surface Discharge..	48.91	4.75
Percolation to Groundwater	187.24	18.17
Continuity Error.....	-0.18%	
Percent Surface Runoff....	15.10%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	48.90	28304.71	15731.35	75.68	11.18	337.41	41.13
Scenario Total	48.90	28304.71	15731.35	75.68	11.18	337.41	41.13

****
Global Information
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Project Name:..... UPC64
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 741
Working Directory:..... C:\Program Files\PLRM\Projects\Project51\Scenario2\
Date First Created:..... 8/23/2011 2:45:29 PM
Date Computed:..... 8/23/2011 2:49:48 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC64	7.33	8665.51	5547.15	17.88	2.02	64.01	8.04

****
Storm Water Treatment
****

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	53.47	29.84
Evaporation Loss	16.16	9.02
System Surface Discharge..	7.33	4.09
Percolation to Groundwater	30.04	16.76
Continuity Error.....	-0.11%	
Percent Surface Runoff....	13.75%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	7.33	8651.78	5538.33	17.85	2.02	63.91	8.02
Scenario Total	7.33	8651.78	5538.33	17.85	2.02	63.91	8.02

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Global Information
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Project Name:..... UPC65
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project91\Scenario4\
Date First Created:..... 09/19/2011 14:30:08
Date Computed:..... 09/19/2011 14:37:57

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC65	2.51	2293.76	1333.43	5.24	0.66	20.57	2.57

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	10.00	32.42
Evaporation Loss	2.37	7.68
System Surface Discharge..	2.51	8.13
Percolation to Groundwater	5.14	16.67
Continuity Error.....	-0.15%	
Percent Surface Runoff....	24.43%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.51	2290.30	1331.46	5.23	0.66	20.53	2.56
Scenario Total	2.51	2290.30	1331.46	5.23	0.66	20.53	2.56

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Global Information
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Project Name:..... UPC65
Scenario Name:..... Scenario2b
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project91\Scenario3\
Date First Created:..... 8/23/2011 6:02:09 PM
Date Computed:..... 8/23/2011 6:06:12 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC65	2.51	2293.76	1333.43	5.24	0.66	20.57	2.57

****
Storm Water Treatment
****

SedTrapsDIs1998	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	2.51	2290.30	1331.46	5.23	0.66	20.53	2.56
Bypass Stream	2.45	2220.13	1290.63	5.08	0.64	19.91	2.48
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	2.45	2220.13	1290.63	5.08	0.64	19.91	2.48
Volume/Load Removed	0.06	70.18	40.83	0.16	0.02	0.62	0.08
%Change(Removed/Influent)	2.20%	3.06%	3.07%	3.02%	2.94%	3.03%	3.05%
%Capture(1-Bypass/Influent)	2.20%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	10.00	32.42
Evaporation Loss	2.37	7.68
System Surface Discharge..	2.50	8.11
Percolation to Groundwater	5.14	16.67
Continuity Error.....	-0.11%	
Percent Surface Runoff....	23.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.45	1215.53	706.95	2.78	0.35	10.89	1.36
Scenario Total	2.45	1215.53	706.95	2.78	0.35	10.89	1.36

****
Global Information
****

Project Name:..... UPC66
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project92\Scenario4\
Date First Created:..... 9/19/2011 3:57:13 PM
Date Computed:..... 9/19/2011 3:58:31 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC66	5.52	3649.74	2104.51	9.06	1.14	40.87	5.14

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	31.89	32.42
Evaporation Loss	8.51	8.65
System Surface Discharge..	5.52	5.61
Percolation to Groundwater	17.89	18.19
Continuity Error.....	-0.12%	
Percent Surface Runoff....	17.34%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.52	3645.03	2101.84	9.05	1.14	40.81	5.13
Scenario Total	5.52	3645.03	2101.84	9.05	1.14	40.81	5.13

****
Global Information
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Project Name:..... UPC66
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 742
Working Directory:..... C:\Program Files\PLRM\Projects\Project92\Scenario5\
Date First Created:..... 9/19/2011 3:59:26 PM
Date Computed:..... 9/19/2011 4:03:43 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC66	5.52	3649.74	2104.51	9.06	1.14	40.87	5.14

****
Storm Water Treatment
****

STDIs	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	5.52	3645.03	2101.84	9.05	1.14	40.81	5.13
Bypass Stream	5.98	3944.20	2275.82	9.76	1.23	44.04	5.54
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	5.98	3944.20	2275.82	9.76	1.23	44.04	5.54
Volume/Load Removed	-0.46	-299.17	-173.99	-0.72	-0.08	-3.23	-0.41
%Change(Removed/Influent)	-8.31%	-8.21%	-8.28%	-7.91%	-7.44%	-7.91%	-8.00%
%Capture(1-Bypass/Influent)	-8.31%						

Basins	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	5.98	2358.30	1360.15	5.84	0.73	26.37	3.32
Bypass Stream	2.31	753.16	434.46	1.86	0.23	8.41	1.06
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	2.31	753.16	434.46	1.86	0.23	8.41	1.06
Volume/Load Removed	3.67	1605.15	925.69	3.98	0.50	17.96	2.26
%Change(Removed/Influent)	61.38%	68.06%	68.06%	68.12%	68.24%	68.10%	68.07%
%Capture(1-Bypass/Influent)	61.38%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	31.89	32.42
Evaporation Loss	8.51	8.65
System Surface Discharge..	2.32	2.36
Percolation to Groundwater	21.10	21.45
Continuity Error.....	-0.11%	
Percent Surface Runoff....	7.25%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.31	753.84	434.85	1.86	0.23	8.42	1.06
Scenario Total	2.31	753.84	434.85	1.86	0.23	8.42	1.06

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Global Information
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Project Name:..... UPC68
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 628
Working Directory:..... C:\Program Files\PLRM\Projects\Project52\Scenario2\
Date First Created:..... 8/23/2011 6:29:43 PM
Date Computed:..... 8/23/2011 6:36:12 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC68	44.59	22081.35	12242.82	68.14	20.30	275.93	31.18

****
Storm Water Treatment
****

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Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	418.17	37.82
Evaporation Loss	92.06	8.33
System Surface Discharge..	44.60	4.03
Percolation to Groundwater	282.57	25.56
Continuity Error.....	-0.25%	
Percent Surface Runoff....	10.67%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	44.59	22054.27	12227.45	68.09	20.30	275.68	31.14
Scenario Total	44.59	22054.27	12227.45	68.09	20.30	275.68	31.14

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Global Information
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Project Name:..... UPC69
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 589
Working Directory:..... C:\Program Files\PLRM\Projects\Project53\Scenario2\
Date First Created:..... 8/23/2011 6:40:54 PM
Date Computed:..... 8/23/2011 6:48:07 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC69	57.44	17760.22	8896.48	75.87	21.62	333.32	37.48

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	450.36	39.53
Evaporation Loss	91.24	8.01
System Surface Discharge..	57.45	5.04
Percolation to Groundwater	302.93	26.59
Continuity Error.....	-0.28%	
Percent Surface Runoff....	12.77%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	57.44	17743.47	8888.33	75.83	21.62	333.06	37.44
Scenario Total	57.44	17743.47	8888.33	75.83	21.62	333.06	37.44

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Global Information
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Project Name:..... UPC70
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 665
Working Directory:..... C:\Program Files\PLRM\Projects\Project54\Scenario4\
Date First Created:..... 09/19/2011 13:48:50
Date Computed:..... 09/19/2011 13:50:08

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC70	61.45	38210.02	21886.84	98.14	13.36	444.10	55.24

****
Storm Water Treatment
****

****
Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	672.59	37.10
Evaporation Loss	168.36	9.29
System Surface Discharge..	61.46	3.39
Percolation to Groundwater	443.52	24.47
Continuity Error.....	-0.11%	
Percent Surface Runoff....	9.14%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	61.45	38162.52	21859.75	98.02	13.34	443.55	55.17
Scenario Total	61.45	38162.52	21859.75	98.02	13.34	443.55	55.17

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Global Information
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Project Name:..... UPC70
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 665
Working Directory:..... C:\Program Files\PLRM\Projects\Project54\Scenario5\
Date First Created:..... 09/19/2011 14:17:42
Date Computed:..... 09/19/2011 14:22:05

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC70	61.45	38210.02	21886.84	98.14	13.36	444.10	55.24

****
Storm Water Treatment
****

STDIS	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	61.45	38162.52	21859.75	98.02	13.34	443.55	55.17
Bypass Stream	61.59	38134.65	21847.14	97.88	13.30	442.94	55.11
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	61.59	38134.65	21847.14	97.88	13.30	442.94	55.11
Volume/Load Removed	-0.14	27.87	12.61	0.14	0.04	0.61	0.06
%Change(Removed/Influent)	-0.23%	0.07%	0.06%	0.15%	0.32%	0.14%	0.11%
%Capture(1-Bypass/Influent)	-0.23%						

Basins	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	61.59	23138.82	13265.92	59.20	7.99	267.98	33.38
Bypass Stream	59.43	13167.33	7556.28	33.53	4.48	151.91	18.96
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	59.43	13167.33	7556.28	33.53	4.48	151.91	18.96
Volume/Load Removed	2.16	9971.49	5709.64	25.66	3.51	116.07	14.43
%Change(Removed/Influent)	3.50%	43.09%	43.04%	43.35%	43.88%	43.31%	43.21%
%Capture(1-Bypass/Influent)	3.50%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	672.59	37.10
Evaporation Loss	168.36	9.29
System Surface Discharge..	59.17	3.26
Percolation to Groundwater	445.50	24.58
Continuity Error.....	-0.07%	
Percent Surface Runoff....	8.84%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	59.43	13250.28	7603.70	33.75	4.51	152.88	19.08
Scenario Total	59.43	13250.28	7603.70	33.75	4.51	152.88	19.08

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Global Information
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Project Name:..... UPC71
Scenario Name:..... Scanario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 704
Working Directory:..... C:\Program Files\PLRM\Projects\Project55\Scenario2\
Date First Created:..... 08/30/2011 18:53:26
Date Computed:..... 08/30/2011 18:57:58

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC71	11.65	4988.66	2611.29	15.45	2.55	75.05	9.00

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	124.69	34.15
Evaporation Loss	32.78	8.98
System Surface Discharge..	11.65	3.19
Percolation to Groundwater	80.44	22.03
Continuity Error.....	-0.15%	
Percent Surface Runoff....	9.35%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	11.65	4981.52	2607.48	15.43	2.54	74.95	8.99
Scenario Total	11.65	4981.52	2607.48	15.43	2.54	74.95	8.99

****
Global Information
****

Project Name:..... UPC72
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 703
Working Directory:..... C:\Program Files\PLRM\Projects\Project56\Scenario2\
Date First Created:..... 08/30/2011 19:01:02
Date Computed:..... 8/30/2011 7:04:05 PM

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC72	27.66	11589.21	6101.71	36.03	5.96	175.26	20.97

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	312.08	31.52
Evaporation Loss	91.61	9.25
System Surface Discharge..	27.67	2.79
Percolation to Groundwater	193.20	19.51
Continuity Error.....	-0.13%	
Percent Surface Runoff....	8.87%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	27.66	11569.37	6091.19	35.97	5.96	174.99	20.93
Scenario Total	27.66	11569.37	6091.19	35.97	5.96	174.99	20.93

****
Global Information
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Project Name:..... UPC73
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 665
Working Directory:..... C:\Program Files\PLRM\Projects\Project57\Scenario2\
Date First Created:..... 8/30/2011 7:06:59 PM
Date Computed:..... 8/30/2011 7:11:12 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC73	29.13	13387.63	7121.31	38.86	5.75	192.65	23.65

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	338.31	37.10
Evaporation Loss	84.80	9.30
System Surface Discharge..	29.13	3.20
Percolation to Groundwater	224.75	24.65
Continuity Error.....	-0.11%	
Percent Surface Runoff....	8.62%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	29.13	13370.74	7112.25	38.81	5.74	192.42	23.62
Scenario Total	29.13	13370.74	7112.25	38.81	5.74	192.42	23.62

****
Global Information
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Project Name:..... UPC74
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 701
Working Directory:..... C:\Program Files\PLRM\Projects\ProjectS8\Scenario4\
Date First Created:..... 09/19/2011 14:22:58
Date Computed:..... 09/19/2011 14:24:23

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC74	55.45	27040.49	14367.15	80.66	13.63	357.86	42.10

****
Storm Water Treatment
****

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Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1379.19	34.11
Evaporation Loss	392.26	9.70
System Surface Discharge..	55.46	1.37
Percolation to Groundwater	932.39	23.06
Continuity Error.....	-0.07%	
Percent Surface Runoff....	4.02%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	55.45	26978.02	14334.27	80.51	13.61	357.14	42.01
Scenario Total	55.45	26978.02	14334.27	80.51	13.61	357.14	42.01

****
Global Information
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Project Name:..... UPC74
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 701
Working Directory:..... C:\Program Files\PLRM\Projects\Project58\Scenario5\
Date First Created:..... 09/19/2011 14:25:14
Date Computed:..... 09/19/2011 14:29:07

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC74	55.45	27040.49	14367.15	80.66	13.63	357.86	42.10

****
Storm Water Treatment
****

DISSTBasins	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	55.45	26978.02	14334.27	80.51	13.61	357.14	42.01
Bypass Stream	54.07	26273.65	14006.79	78.46	13.19	348.23	41.01
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	54.07	26273.65	14006.79	78.46	13.19	348.23	41.01
Volume/Load Removed	1.38	704.38	327.48	2.05	0.42	8.91	1.00
%Change(Removed/Influent)	2.49%	2.61%	2.28%	2.54%	3.07%	2.49%	2.38%
%Capture(1-Bypass/Influent)	2.49%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1379.19	34.11
Evaporation Loss	392.26	9.70
System Surface Discharge..	54.76	1.35
Percolation to Groundwater	933.09	23.08
Continuity Error.....	-0.07%	
Percent Surface Runoff....	3.92%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	54.07	26242.83	13991.74	78.38	13.18	347.88	40.97
Scenario Total	54.07	26242.83	13991.74	78.38	13.18	347.88	40.97

****
Global Information
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Project Name:..... UPC75
Scenario Name:..... Scenario2a
Number of years in simulation :.. 6
Met Grid # simulated:..... 703
Working Directory:..... C:\Program Files\PLRM\Projects\Project59\Scenario2\
Date First Created:..... 8/30/2011 7:41:05 PM
Date Computed:..... 8/30/2011 7:56:47 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC75	9.86	7733.44	4594.58	18.18	2.14	77.52	9.81

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	91.70	31.52
Evaporation Loss	27.34	9.40
System Surface Discharge..	9.87	3.39
Percolation to Groundwater	54.59	18.76
Continuity Error.....	-0.11%	
Percent Surface Runoff....	10.76%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.86	7721.19	4587.44	18.15	2.14	77.40	9.79
Scenario Total	9.86	7721.19	4587.44	18.15	2.14	77.40	9.79

****
Global Information
****

Project Name:..... UPC76
Scenario Name:..... Baseline
Number of years in simulation :.. 6
Met Grid # simulated:..... 630
Working Directory:..... C:\Program Files\PLRM\Projects\Project60\Scenario1\
Date First Created:..... 03/15/2011 14:34:23
Date Computed:..... 5/26/2011 1:19:20 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC76	9.04	7601.91	4715.10	17.53	2.18	72.53	9.14

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	830.05	36.85
Evaporation Loss	223.10	9.90
System Surface Discharge..	9.04	0.40
Percolation to Groundwater	597.98	26.55
Continuity Error.....	-0.01%	
Percent Surface Runoff....	1.09%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.04	7591.39	4708.57	17.51	2.17	72.43	9.13
Scenario Total	9.04	7591.39	4708.57	17.51	2.17	72.43	9.13

****
Global Information
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Project Name:..... UPC77
Scenario Name:..... Scenario2
Number of years in simulation :... 6
Met Grid # simulated:..... 593
Working Directory:..... C:\Program Files\PLRM\Projects\Project61\Scenario2\
Date First Created:..... 07/18/2011 14:02:23
Date Computed:..... 7/21/2011 2:30:53 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC77	21.35	29292.59	20047.07	56.29	6.16	189.70	23.74

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	550.72	37.96
Evaporation Loss	140.73	9.70
System Surface Discharge..	21.35	1.47
Percolation to Groundwater	388.92	26.81
Continuity Error.....	-0.05%	
Percent Surface Runoff....	3.88%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	21.35	29256.39	20022.66	56.22	6.15	189.46	23.71
Scenario Total	21.35	29256.39	20022.66	56.22	6.15	189.46	23.71

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Global Information
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Project Name:..... UPC78
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 524
Working Directory:..... C:\Program Files\PLRM\Projects\Project62\Scenario4\
Date First Created:..... 7/22/2011 9:12:41 AM
Date Computed:..... 9/9/2011 4:27:13 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC78	43.57	19192.97	10261.46	60.08	10.30	279.22	32.89

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1245.76	40.54
Evaporation Loss	297.99	9.70
System Surface Discharge..	43.58	1.42
Percolation to Groundwater	904.74	29.44
Continuity Error.....	-0.04%	
Percent Surface Runoff....	3.50%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	43.57	19161.77	10244.51	59.99	10.29	278.80	32.84
Scenario Total	43.57	19161.77	10244.51	59.99	10.29	278.80	32.84

****
Global Information
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Project Name:..... UPC78
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 524
Working Directory:..... C:\Program Files\PLRM\Projects\Project62\Scenario6\
Date First Created:..... 9/9/2011 4:41:34 PM
Date Computed:..... 9/9/2011 4:54:32 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC78	43.57	19192.97	10261.46	60.08	10.30	279.22	32.89

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	43.57	19161.77	10244.51	59.99	10.29	278.80	32.84
Bypass Stream	36.92	16092.91	8600.29	50.48	8.68	234.44	27.59
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	36.92	16092.91	8600.29	50.48	8.68	234.44	27.59
Volume/Load Removed	6.65	3068.86	1644.22	9.52	1.61	44.36	5.24
%Change(Removed/Influent)	15.26%	16.02%	16.05%	15.87%	15.65%	15.91%	15.97%
%Capture(1-Bypass/Influent)	15.26%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1245.76	40.54
Evaporation Loss	297.99	9.70
System Surface Discharge..	36.92	1.20
Percolation to Groundwater	911.39	29.66
Continuity Error.....	-0.04%	
Percent Surface Runoff....	2.96%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	36.92	16090.25	8598.77	50.47	8.68	234.41	27.59
Scenario Total	36.92	16090.25	8598.77	50.47	8.68	234.41	27.59

****
Global Information
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Project Name:..... UPC79
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 523
Working Directory:..... C:\Program Files\PLRM\Projects\Project63\Scenario2\
Date First Created:..... 7/19/2011 8:48:56 AM
Date Computed:..... 08/01/2011 13:21:01

****
Catchments
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Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC79	16.67	11058.02	6762.28	28.62	4.16	119.49	14.41

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	148.58	40.98
Evaporation Loss	32.77	9.04
System Surface Discharge..	16.68	4.60
Percolation to Groundwater	99.33	27.39
Continuity Error.....	-0.13%	
Percent Surface Runoff....	11.21%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	16.67	11040.46	6751.49	28.57	4.16	119.31	14.39
Scenario Total	16.67	11040.46	6751.49	28.57	4.16	119.31	14.39

****
Global Information
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Project Name:..... UPC80
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 555
Working Directory:..... C:\Program Files\PLRM\Projects\Project64\Scenario2\
Date First Created:..... 7/19/2011 8:49:08 AM
Date Computed:..... 08/01/2011 13:26:12

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC80	5.29	3438.03	1892.04	8.02	0.81	39.30	5.14

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	15.08	39.33
Evaporation Loss	3.08	8.04
System Surface Discharge..	5.29	13.81
Percolation to Groundwater	6.77	17.66
Continuity Error.....	-0.46%	
Percent Surface Runoff....	34.81%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.29	3433.75	1889.68	8.01	0.81	39.25	5.14
Scenario Total	5.29	3433.75	1889.68	8.01	0.81	39.25	5.14

****
Global Information
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Project Name:..... UPC81
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 551
Working Directory:..... C:\Program Files\PLRM\Projects\Project65\Scenario4\
Date First Created:..... 9/9/2011 4:29:50 PM
Date Computed:..... 9/9/2011 4:31:23 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC81	20.53	17880.66	10229.04	41.35	5.25	164.86	20.55

****
Storm Water Treatment
****

****
Scenario Summary
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Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	420.02	41.75
Evaporation Loss	97.21	9.66
System Surface Discharge..	20.53	2.04
Percolation to Groundwater	302.58	30.08
Continuity Error.....	-0.07%	
Percent Surface Runoff....	4.89%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	20.53	17856.15	10214.99	41.29	5.24	164.64	20.52
Scenario Total	20.53	17856.15	10214.99	41.29	5.24	164.64	20.52

****
Global Information
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Project Name:..... UPC81
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 551
Working Directory:..... C:\Program Files\PLRM\Projects\Project65\Scenario5\
Date First Created:..... 9/9/2011 4:46:58 PM
Date Computed:..... 9/9/2011 5:02:29 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC81	20.53	17880.66	10229.04	41.35	5.25	164.86	20.55

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	20.53	17856.15	10214.99	41.29	5.24	164.64	20.52
Bypass Stream	19.99	17273.62	9882.42	39.93	5.06	159.19	19.85
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	19.99	17273.62	9882.42	39.93	5.06	159.19	19.85
Volume/Load Removed	0.54	582.53	332.57	1.37	0.18	5.44	0.67
%Change(Removed/Influent)	2.64%	3.26%	3.26%	3.31%	3.40%	3.31%	3.29%
%Capture(1-Bypass/Influent)	2.64%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	420.02	41.75
Evaporation Loss	97.21	9.66
System Surface Discharge..	19.89	1.98
Percolation to Groundwater	303.22	30.14
Continuity Error.....	-0.07%	
Percent Surface Runoff....	4.76%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	19.99	17262.90	9876.14	39.91	5.06	159.11	19.83
Scenario Total	19.99	17262.90	9876.14	39.91	5.06	159.11	19.83

****
Global Information
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Project Name:..... UPC82
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 552
Working Directory:..... C:\Program Files\PLRM\Projects\Project66\Scenario4\
Date First Created:..... 9/9/2011 4:32:18 PM
Date Computed:..... 9/9/2011 4:33:49 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC82	28.97	14567.42	7617.24	44.61	7.87	190.02	21.95

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	4074.93	40.96
Evaporation Loss	988.03	9.93
System Surface Discharge..	28.98	0.29
Percolation to Groundwater	3058.56	30.74
Continuity Error.....	-0.02%	
Percent Surface Runoff....	0.71%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	28.97	14543.67	7604.45	44.55	7.86	189.75	21.91
Scenario Total	28.97	14543.67	7604.45	44.55	7.86	189.75	21.91

****
Global Information
****

Project Name:..... UPC82
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 552
Working Directory:..... C:\Program Files\PLRM\Projects\Project66\Scenario5\
Date First Created:..... 9/9/2011 5:03:46 PM
Date Computed:..... 9/9/2011 5:06:44 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC82	28.97	14567.42	7617.24	44.61	7.87	190.02	21.95

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	28.97	14543.67	7604.45	44.55	7.86	189.75	21.91
Bypass Stream	23.63	11791.04	6164.12	36.14	6.38	153.91	17.77
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	23.63	11791.04	6164.12	36.14	6.38	153.91	17.77
Volume/Load Removed	5.34	2752.63	1440.33	8.41	1.48	35.84	4.14
%Change(Removed/Influent)	18.44%	18.93%	18.94%	18.88%	18.80%	18.89%	18.91%
%Capture(1-Bypass/Influent)	18.44%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	4074.93	40.96
Evaporation Loss	988.03	9.93
System Surface Discharge..	23.62	0.24
Percolation to Groundwater	3063.91	30.80
Continuity Error.....	-0.02%	
Percent Surface Runoff....	0.58%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	23.63	11785.36	6160.80	36.13	6.39	153.87	17.76
Scenario Total	23.63	11785.36	6160.80	36.13	6.39	153.87	17.76

****
Global Information
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Project Name:..... UPC83
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 553
Working Directory:..... C:\Program Files\PLRM\Projects\Project67\Scenario3\
Date First Created:..... 9/9/2011 4:35:48 PM
Date Computed:..... 9/9/2011 4:36:58 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC83	84.26	39585.77	20362.46	125.19	22.50	541.60	62.38

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1380.68	40.01
Evaporation Loss	321.28	9.31
System Surface Discharge..	84.27	2.44
Percolation to Groundwater	976.90	28.31
Continuity Error.....	-0.13%	
Percent Surface Runoff....	6.11%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	84.26	39524.09	20329.22	125.05	22.48	540.94	62.30
Scenario Total	84.26	39524.09	20329.22	125.05	22.48	540.94	62.30

****
Global Information
****

Project Name:..... UPC83
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 553
Working Directory:..... C:\Program Files\PLRM\Projects\Project67\Scenario4\
Date First Created:..... 9/9/2011 5:07:53 PM
Date Computed:..... 09/12/2011 08:53:15

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC83	84.26	39585.77	20362.46	125.19	22.50	541.60	62.38

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	84.26	39524.09	20329.22	125.05	22.48	540.94	62.30
Bypass Stream	83.71	39031.25	20069.95	123.68	22.28	534.85	61.56
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	83.71	39031.25	20069.95	123.68	22.28	534.85	61.56
Volume/Load Removed	0.55	492.83	259.27	1.36	0.21	6.08	0.74
%Change(Removed/Influent)	0.66%	1.25%	1.28%	1.09%	0.91%	1.12%	1.19%
%Capture(1-Bypass/Influent)	0.66%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1380.68	40.01
Evaporation Loss	321.28	9.31
System Surface Discharge..	84.07	2.44
Percolation to Groundwater	977.10	28.32
Continuity Error.....	-0.13%	
Percent Surface Runoff....	6.06%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	83.71	38954.02	20029.38	123.47	22.25	533.90	61.44
Scenario Total	83.71	38954.02	20029.38	123.47	22.25	533.90	61.44

****
Global Information
****

Project Name:..... UPC84
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 555
Working Directory:..... C:\Program Files\PLRM\Projects\Project68\Scenario2\
Date First Created:..... 7/19/2011 8:50:54 AM
Date Computed:..... 08/01/2011 13:29:11

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC84	47.87	23149.85	12236.43	68.78	11.23	312.87	37.24

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	498.34	39.33
Evaporation Loss	114.84	9.06
System Surface Discharge..	47.88	3.78
Percolation to Groundwater	336.46	26.56
Continuity Error.....	-0.17%	
Percent Surface Runoff....	9.62%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	47.87	23119.27	12219.79	68.70	11.23	312.51	37.20
Scenario Total	47.87	23119.27	12219.79	68.70	11.23	312.51	37.20

****
Global Information
****

Project Name:..... UPC85
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 626
Working Directory:..... C:\Program Files\PLRM\Projects\Project69\Scenario2\
Date First Created:..... 03/15/2011 14:34:23
Date Computed:..... 7/29/2011 12:38:13 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC85	18.88	7408.26	3872.82	26.19	8.11	110.64	12.20

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	269.48	41.18
Evaporation Loss	58.57	8.95
System Surface Discharge..	18.89	2.89
Percolation to Groundwater	192.31	29.39
Continuity Error.....	-0.11%	
Percent Surface Runoff....	7.02%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	18.88	7395.11	3866.33	26.15	8.10	110.43	12.18
Scenario Total	18.88	7395.11	3866.33	26.15	8.10	110.43	12.18

****
Global Information
****

Project Name:..... UPC86
Scenario Name:..... Scenario2C
Number of years in simulation :.. 6
Met Grid # simulated:..... 663
Working Directory:..... C:\Program Files\PLRM\Projects\Project70\Scenario4\
Date First Created:..... 9/9/2011 4:38:42 PM
Date Computed:..... 9/9/2011 4:40:13 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC86	52.41	36901.31	21770.12	92.36	17.80	388.33	48.17

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1175.40	41.52
Evaporation Loss	274.87	9.71
System Surface Discharge..	52.42	1.85
Percolation to Groundwater	848.29	29.96
Continuity Error.....	-0.02%	
Percent Surface Runoff....	4.46%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	52.41	36844.78	21736.90	92.22	17.77	387.72	48.10
Scenario Total	52.41	36844.78	21736.90	92.22	17.77	387.72	48.10

****
Global Information
****

Project Name:..... UPC86
Scenario Name:..... Scenario2D
Number of years in simulation :.. 6
Met Grid # simulated:..... 663
Working Directory:..... C:\Program Files\PLRM\Projects\Project70\Scenario5\
Date First Created:..... 9/9/2011 5:15:37 PM
Date Computed:..... 9/9/2011 5:18:48 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC86	52.41	36901.31	21770.12	92.36	17.80	388.33	48.17

****
Storm Water Treatment
****

InfiltrationBasin1	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Total Influent	52.41	36844.78	21736.90	92.22	17.77	387.72	48.10
Bypass Stream	28.73	19942.19	11764.23	50.13	9.86	210.38	26.05
Treated Stream	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Effluent	28.73	19942.19	11764.23	50.13	9.86	210.38	26.05
Volume/Load Removed	23.69	16902.59	9972.66	42.08	7.91	177.34	22.05
%Change(Removed/Influent)	45.19%	45.88%	45.88%	45.64%	44.49%	45.74%	45.84%
%Capture(1-Bypass/Influent)	45.19%						

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1175.40	41.52
Evaporation Loss	274.87	9.71
System Surface Discharge..	28.73	1.01
Percolation to Groundwater	871.98	30.80
Continuity Error.....	-0.02%	
Percent Surface Runoff....	2.44%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	28.73	19942.70	11764.58	50.13	9.86	210.38	26.05
Scenario Total	28.73	19942.70	11764.58	50.13	9.86	210.38	26.05

****
Global Information
****

Project Name:..... UPC87
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 660
Working Directory:..... C:\Program Files\PLRM\Projects\Project71\Scenario2\
Date First Created:..... 03/15/2011 14:34:23
Date Computed:..... 7/29/2011 2:56:12 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC87	22.82	6786.35	3036.09	25.75	5.44	118.77	13.37

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	5189.47	42.60
Evaporation Loss	1226.79	10.07
System Surface Discharge..	22.83	0.19
Percolation to Groundwater	3940.46	32.35
Continuity Error.....	-0.01%	
Percent Surface Runoff....	0.44%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	22.82	6760.28	3025.08	25.67	5.43	118.37	13.32
Scenario Total	22.82	6760.28	3025.08	25.67	5.43	118.37	13.32

****
Global Information
****

Project Name:..... UPC88
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 657
Working Directory:..... C:\Program Files\PLRM\Projects\Project72\Scenario2\
Date First Created:..... 7/19/2011 8:52:05 AM
Date Computed:..... 7/29/2011 2:59:55 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC88	9.12	3045.30	1526.69	9.72	2.20	54.61	6.80

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	2526.08	44.79
Evaporation Loss	568.54	10.08
System Surface Discharge..	9.12	0.16
Percolation to Groundwater	1948.15	34.54
Continuity Error.....	0.01%	
Percent Surface Runoff....	0.36%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	9.12	3040.83	1524.51	9.70	2.20	54.52	6.79
Scenario Total	9.12	3040.83	1524.51	9.70	2.20	54.52	6.79

****
Global Information
****

Project Name:..... UPC89
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 625
Working Directory:..... C:\Program Files\PLRM\Projects\Project73\Scenario2\
Date First Created:..... 7/19/2011 8:52:18 AM
Date Computed:..... 7/29/2011 3:03:55 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC89	41.54	22831.67	12583.96	63.90	15.87	274.50	33.01

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1566.52	41.30
Evaporation Loss	368.61	9.72
System Surface Discharge..	41.54	1.10
Percolation to Groundwater	1156.97	30.50
Continuity Error.....	-0.04%	
Percent Surface Runoff....	2.65%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	41.54	22796.34	12564.97	63.80	15.85	274.07	32.96
Scenario Total	41.54	22796.34	12564.97	63.80	15.85	274.07	32.96

****
Global Information
****

Project Name:..... UPC90
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 760
Working Directory:..... C:\Program Files\PLRM\Projects\Project74\Scenario2\
Date First Created:..... 03/15/2011 14:34:23
Date Computed:..... 7/22/2011 2:09:36 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC90	5.77	5376.26	3297.65	11.72	1.09	50.17	6.56

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	29657.04	48.37
Evaporation Loss	6471.10	10.55
System Surface Discharge..	5.77	0.01
Percolation to Groundwater	23180.20	37.81
Continuity Error.....	0.00%	
Percent Surface Runoff....	0.02%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	5.77	5372.04	3295.06	11.71	1.09	50.13	6.56
Scenario Total	5.77	5372.04	3295.06	11.71	1.09	50.13	6.56

****
Global Information
****

Project Name:..... UPC91
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 582
Working Directory:..... C:\Program Files\PLRM\Projects\Project75\Scenario2\
Date First Created:..... 7/19/2011 8:52:52 AM
Date Computed:..... 7/22/2011 2:18:32 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC91	2.02	479.27	197.79	2.43	0.63	10.31	1.02

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	634.82	39.07
Evaporation Loss	166.13	10.22
System Surface Discharge..	2.02	0.12
Percolation to Groundwater	466.02	28.68
Continuity Error.....	0.10%	
Percent Surface Runoff....	0.32%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.02	477.33	197.08	2.42	0.63	10.28	1.02
Scenario Total	2.02	477.33	197.08	2.42	0.63	10.28	1.02

****
Global Information
****

Project Name:..... UPC92
Scenario Name:..... Scenario2_New
Number of years in simulation :.. 6
Met Grid # simulated:..... 585
Working Directory:..... C:\Program Files\PLRM\Projects\Project76\Scenario3\
Date First Created:..... 7/22/2011 8:56:56 AM
Date Computed:..... 7/22/2011 2:47:57 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC92	19.63	7966.43	4030.23	28.55	5.87	119.11	12.99

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1214.68	40.44
Evaporation Loss	294.03	9.79
System Surface Discharge..	19.63	0.65
Percolation to Groundwater	901.20	30.00
Continuity Error.....	-0.01%	
Percent Surface Runoff....	1.62%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	19.63	7949.10	4021.19	28.49	5.86	118.89	12.96
Scenario Total	19.63	7949.10	4021.19	28.49	5.86	118.89	12.96

****
Global Information
****

Project Name:..... UPC93
Scenario Name:..... Scenario2_New
Number of years in simulation :.. 6
Met Grid # simulated:..... 549
Working Directory:..... C:\Program Files\PLRM\Projects\Project77\Scenario3\
Date First Created:..... 7/22/2011 9:12:24 AM
Date Computed:..... 7/22/2011 2:55:10 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC93	2.08	3153.86	2168.21	6.13	0.64	20.08	2.49

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	749.39	41.33
Evaporation Loss	182.01	10.04
System Surface Discharge..	2.08	0.11
Percolation to Groundwater	565.34	31.18
Continuity Error.....	-0.01%	
Percent Surface Runoff....	0.28%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	2.08	3148.83	2164.77	6.12	0.64	20.05	2.49
Scenario Total	2.08	3148.83	2164.77	6.12	0.64	20.05	2.49

****
Global Information
****

Project Name:..... UPC94
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 587
Working Directory:..... C:\Program Files\PLRM\Projects\Project1\Scenario2\
Date First Created:..... 07/22/2011 09:50:04
Date Computed:..... 7/22/2011 3:00:13 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC94	26.44	9138.73	4605.46	30.63	5.39	158.76	18.94

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	1102.65	41.20
Evaporation Loss	262.20	9.80
System Surface Discharge..	26.44	0.99
Percolation to Groundwater	814.29	30.42
Continuity Error.....	-0.03%	
Percent Surface Runoff....	2.40%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	26.44	9122.60	4597.21	30.58	5.38	158.49	18.90
Scenario Total	26.44	9122.60	4597.21	30.58	5.38	158.49	18.90

****
Global Information
****

Project Name:..... UPC95
Scenario Name:..... Scenario2
Number of years in simulation :.. 6
Met Grid # simulated:..... 587
Working Directory:..... C:\Program Files\PLRM\Projects\Project2\Scenario2\
Date First Created:..... 07/22/2011 09:51:34
Date Computed:..... 7/22/2011 3:07:55 PM

****
Catchments
****

Catchment Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
UPC95	3.65	3266.94	1888.14	7.27	0.83	29.43	3.75

****
Storm Water Treatment
****

****
Scenario Summary
****

Average Annual Hydrology	acre-feet/yr	inches/yr
Total Precipitation	60.76	41.20
Evaporation Loss	13.59	9.22
System Surface Discharge..	3.65	2.48
Percolation to Groundwater	43.70	29.63
Continuity Error.....	-0.30%	
Percent Surface Runoff....	6.01%	

Average Annual Surface Loading

Name	Volume(ac-ft/yr)	TSS(lbs/yr)	FSP(lbs/yr)	TP(lbs/yr)	SRP(lbs/yr)	TN(lbs/yr)	DIN(lbs/yr)
Outfall1	3.65	3264.72	1886.84	7.26	0.83	29.41	3.75
Scenario Total	3.65	3264.72	1886.84	7.26	0.83	29.41	3.75

APPENDIX C

Planning Catchment: PLRM Input

Caltrans ROW Removed

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
1	278.1685				
		SFR	34.85%	96.9386	17.6%
		Roads_Unpaved	0.08%	0.2159	
		Roads_Secondary	2.63%	7.3039	100.0%
		Roads_Primary	0.97%	2.6873	100.0%
		MFR	1.50%	4.1604	16.5%
		EP4	1.08%	3.0153	
		EP3	30.37%	84.4866	
		EP2	16.93%	47.1005	
		CICU	0.97%	2.6945	28.9%
			89.37%	248.6030	
		EDC-S	10.63%	29.5655	59.9%
			10.63%	29.5655	
2	57.6952				
		SFR	34.76%	20.0563	17.8%
		Roads_Secondary	1.38%	0.7945	100.0%
		Roads_Primary	1.20%	0.6924	100.0%
		MFR	18.80%	10.8467	33.4%
		EP4	2.15%	1.2397	
		EP3	16.05%	9.2625	
		EP2	0.06%	0.0328	
		CICU	9.45%	5.4531	36.8%
			83.85%	48.3781	
		EDC-S	16.15%	9.3171	66.6%
			16.15%	9.3171	
3	341.5925				
		Veg_Recreational	0.47%	1.6033	
		SFR	32.24%	110.1178	14.8%
		Roads_Unpaved	0.19%	0.6566	
		Roads_Secondary	1.11%	3.8020	100.0%
		MFR	3.81%	13.0069	18.9%
		EP4	1.69%	5.7746	
		EP3	36.28%	123.9131	
		EP2	10.79%	36.8511	
		CICU	0.23%	0.7693	28.2%
			86.80%	296.4947	
		EDC-S	13.20%	45.0979	59.8%
			13.20%	45.0979	
4	172.1666				
		SFR	7.37%	12.6889	10.6%
		Roads_Unpaved	0.02%	0.0378	
		Roads_Secondary	0.20%	0.3520	100.0%
		EP4	1.86%	3.2100	
		EP3	84.99%	146.3239	
		EP2	1.58%	2.7207	
			96.03%	165.3333	
		EDC-S	3.97%	6.8333	61.0%
			3.97%	6.8333	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
5	72.7980				
		Veg_Unimpacted	0.75%	0.5488	
		SFR	6.94%	5.0556	6.7%
		Roads_Unpaved	0.80%	0.5816	
		Roads Secondary	0.25%	0.1851	100.0%
		EP4	1.25%	0.9065	
		EP3	84.78%	61.7217	
		EP2	0.00%	0.0030	
		CICU	5.21%	3.7956	25.2%
			100.00%	72.7980	
6	65.4153				
		Veg_Unimpacted	1.28%	0.8386	
		SFR	15.52%	10.1492	15.8%
		Roads Unpaved	0.19%	0.1219	
		Roads_Secondary	1.26%	0.8217	100.0%
		EP4	13.97%	9.1375	
		EP3	57.64%	37.7057	
		EP2	1.03%	0.6726	
		CICU	6.36%	4.1614	44.2%
			97.24%	63.6086	
		EDC-S	2.76%	1.8067	73.1%
			2.76%	1.8067	
7	38.2772				
		SFR	26.31%	10.0715	19.6%
		Roads Unpaved	0.07%	0.0249	
		Roads_Secondary	0.33%	0.1246	100.0%
		Roads_Primary	0.56%	0.2150	100.0%
		MFR	0.00%	0.0003	
		EP4	3.66%	1.3994	
		EP3	43.98%	16.8334	
		EP2	0.11%	0.0416	
		CICU	7.73%	2.9584	20.3%
			82.74%	31.6691	
		EDC-S	17.26%	6.6081	47.3%
			17.26%	6.6081	
8	47.1870				
		Veg_Unimpacted	0.00%	0.0011	
		SFR	45.83%	21.6245	19.2%
		Roads_Secondary	0.72%	0.3385	100.0%
		Roads Primary	0.01%	0.0024	100.0%
		MFR	1.83%	0.8635	21.5%
		EP4	1.03%	0.4878	
		EP3	34.14%	16.1111	
		EP2	1.22%	0.5756	
			84.78%	40.0046	
		EDC-S	15.22%	7.1824	67.5%
			15.22%	7.1824	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
9	4.4186				
		Roads_Secondary	0.01%	0.0003	100.0%
		EP4	5.12%	0.2263	
		EP3	72.79%	3.2165	
			77.92%	3.4431	
		EDC-S	22.08%	0.9756	39.6%
			22.08%	0.9756	
10	23.1794				
		SFR	47.65%	11.0441	21.1%
		Roads_Secondary	2.13%	0.4937	100.0%
		Roads Primary	0.02%	0.0042	100.0%
		EP4	3.79%	0.8794	
		EP3	30.64%	7.1013	
		EP2	0.85%	0.1963	
			85.07%	19.7191	
		EDC-S	14.93%	3.4602	70.2%
			14.93%	3.4602	
11	91.7465				
		Veg Unimpacted	0.13%	0.1217	
		SFR	24.79%	22.7456	16.9%
		Roads_Unpaved	0.18%	0.1663	
		Roads Secondary	0.86%	0.7890	100.0%
		MFR	2.06%	1.8926	9.8%
		EP4	3.07%	2.8164	
		EP3	57.39%	52.6560	
		EP2	2.04%	1.8704	
			90.53%	83.0580	
		EDC-S	9.47%	8.6885	44.2%
			9.47%	8.6885	
12	49.1914				
		SFR	33.58%	16.5181	11.5%
		Roads_Unpaved	0.67%	0.3308	
		Roads_Secondary	0.57%	0.2805	100.0%
		EP4	0.14%	0.0697	
		EP3	56.09%	27.5899	
		EP2	3.29%	1.6196	
			94.34%	46.4086	
		EDC-S	5.66%	2.7829	71.9%
			5.66%	2.7829	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
13	6.9057				
		SFR	33.64%	2.3227	17.7%
		Roads_Secondary	0.91%	0.0628	100.0%
		Roads_Primary	0.04%	0.0026	100.0%
		EP3	22.32%	1.5414	
		EP2	18.68%	1.2903	
			75.59%	5.2199	
		EDC-S	24.41%	1.6857	65.9%
			24.41%	1.6857	
14	105.3508				
		Veg Unimpacted	0.01%	0.0106	
		SFR	36.62%	38.5766	12.8%
		Roads_Secondary	0.57%	0.5998	100.0%
		EP4	0.30%	0.3139	
		EP3	15.78%	16.6275	
		EP2	28.11%	29.6109	
		CICU	0.33%	0.3432	
			81.71%	86.0824	
		EDC-S	18.29%	19.2684	65.3%
			18.29%	19.2684	
15	23.6834				
		SFR	55.40%	13.1201	15.1%
		Roads Secondary	0.82%	0.1953	100.0%
		Roads_Primary	0.00%	0.0005	100.0%
		EP4	3.91%	0.9261	
		EP3	15.23%	3.6080	
		EP2	10.57%	2.5043	
			85.94%	20.3544	
		EDC-S	14.06%	3.3290	58.6%
			14.06%	3.3290	
16	28.1483				
		SFR	47.20%	13.2860	17.5%
		Roads_Secondary	0.16%	0.0441	100.0%
		EP4	0.87%	0.2460	
		EP3	18.76%	5.2818	
		EP2	11.63%	3.2749	
			78.63%	22.1328	
		EDC-S	21.37%	6.0156	55.7%
			21.37%	6.0156	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
17	41.1574				
		Veg_Unimpacted	0.20%	0.0814	
		SFR	74.08%	30.4895	17.6%
		Roads_Secondary	0.53%	0.2171	100.0%
		MFR	8.80%	3.6218	16.6%
		EP4	0.14%	0.0572	
		EP3	2.43%	0.9981	
		EP2	3.49%	1.4356	
			89.66%	36.9007	
		EDC-S	10.34%	4.2568	73.4%
			10.34%	4.2568	
18	1.2775				
		Veg_Unimpacted	84.75%	1.0826	
		SFR	9.81%	0.1253	
			94.56%	1.2080	
		EDC-S	5.44%	0.0696	
			5.44%	0.0696	
19	44.1850				
		Veg_Unimpacted	92.47%	40.8591	
		SFR	1.53%	0.6770	12.2%
		Roads_Secondary	0.11%	0.0501	100.0%
		Roads_Primary	2.13%	0.9403	100.0%
			96.25%	42.5264	
		EDC-S	3.75%	1.6586	0.3%
			3.75%	1.6586	
20	18.1471				
		Veg_Unimpacted	55.24%	10.0238	
		SFR	35.03%	6.3574	4.6%
		Roads_Primary	3.11%	0.5650	100.0%
			93.38%	16.9462	
		EDC-S	6.62%	1.2008	
			6.62%	1.2008	
21	44.5511				
		Veg_Unimpacted	84.59%	37.6858	
		SFR	10.39%	4.6294	
		Roads_Unpaved	0.03%	0.0113	
		Roads_Secondary	0.00%	0.0007	100.0%
		Roads_Primary	2.95%	1.3157	100.0%
			97.96%	43.6429	
		EDC-S	2.04%	0.9082	
			2.04%	0.9082	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
22	255.7173				
		SFR	13.04%	33.3420	11.5%
		Roads_Unpaved	0.05%	0.1334	
		Roads_Secondary	0.07%	0.1914	100.0%
		EP3	22.10%	56.5222	
		EP2	62.10%	158.7970	
		EP1	0.21%	0.5343	
			97.58%	249.5203	
		EDC-S	2.42%	6.1970	66.4%
			2.42%	6.1970	
23	20.4034				
		SFR	16.75%	3.4169	29.7%
		Roads_Secondary	3.33%	0.6791	100.0%
		EP3	41.33%	8.4326	
		EP2	28.98%	5.9132	
			90.39%	18.4417	
		EDC-S	6.94%	1.4155	84.3%
		EDC-P	2.68%	0.5462	77.8%
			9.61%	1.9616	
24	114.5378				
		SFR	9.32%	10.6739	17.0%
		Roads_Unpaved	0.01%	0.0062	
		Roads_Secondary	0.97%	1.1084	100.0%
		EP3	31.60%	36.1978	
		EP2	50.89%	58.2938	
			92.79%	106.2802	
		EDC-S	7.21%	8.2577	60.1%
			7.21%	8.2577	
25	105.6594				
		Water_Body	0.33%	0.3508	100.0%
		Veg_Unimpacted	0.10%	0.1066	
		SFR	2.97%	3.1354	9.4%
		Roads_Unpaved	0.22%	0.2369	
		Roads_Secondary	0.29%	0.3068	100.0%
		EP4	2.34%	2.4723	
		EP3	40.01%	42.2701	
		EP2	48.78%	51.5439	
			95.04%	100.4227	
		EDC-S	3.92%	4.1392	42.3%
		EDC-P	1.04%	1.0975	99.8%
			4.96%	5.2368	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
26	287.0174				
		Water_Body	0.01%	0.0395	100.0%
		SFR	5.00%	14.3602	22.9%
		Roads_Unpaved	0.19%	0.5369	
		Roads Secondary	0.12%	0.3443	100.0%
		EP4	0.05%	0.1343	
		EP3	23.17%	66.5135	
		EP2	66.34%	190.4050	
			94.88%	272.3337	
		EDC-S	3.91%	11.2179	56.3%
		EDC-P	1.21%	3.4658	92.2%
			5.12%	14.6837	
27	11.8420				
		Roads_Unpaved	0.07%	0.0079	
		Roads_Secondary	4.70%	0.5562	100.0%
		EP4	0.89%	0.1050	
		EP3	14.85%	1.7585	
		EP2	0.07%	0.0078	
		CICU	0.57%	0.0680	71.3%
			21.14%	2.5034	
		EDC-P	78.86%	9.3386	81.7%
			78.86%	9.3386	
28	235.8398				
		SFR	0.06%	0.1505	11.2%
		Roads_Unpaved	0.04%	0.0926	
		Roads_Secondary	0.38%	0.9048	100.0%
		EP3	19.68%	46.4068	
		EP2	75.49%	178.0443	
		EP1	3.76%	8.8641	
			99.42%	234.4631	
		EDC-S	0.10%	0.2434	61.8%
		EDC-P	0.48%	1.1333	36.2%
			0.58%	1.3767	
29	15.7472				
		SFR	0.20%	0.0315	6.4%
		Roads Secondary	2.11%	0.3321	100.0%
		MFR	0.03%	0.0044	11.9%
		EP3	72.66%	11.4425	
		EP2	0.17%	0.0274	
		CICU	0.49%	0.0779	22.2%
			75.67%	11.9158	
		EDC-S	24.33%	3.8314	68.2%
			24.33%	3.8314	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
30	2.6065				
		SFR	16.32%	0.4254	35.6%
		Roads_Secondary	7.98%	0.2080	100.0%
		EP4	1.34%	0.0350	
		EP3	28.31%	0.7379	
		EP2	3.19%	0.0832	
		CICU	0.01%	0.0003	
			57.16%	1.4898	
		EDC-S	42.84%	1.1167	87.3%
			42.84%	1.1167	
31	15.0773				
		SFR	52.22%	7.8735	31.0%
		Roads_Secondary	2.02%	0.3050	100.0%
		MFR	2.57%	0.3869	20.9%
		EP3	17.21%	2.5954	
		CICU	0.11%	0.0170	
			74.14%	11.1777	
		EDC-S	25.86%	3.8997	80.8%
			25.86%	3.8997	
32	15.7110				
		SFR	67.21%	10.5592	30.3%
		Roads_Secondary	2.34%	0.3684	100.0%
		MFR	1.10%	0.1722	37.5%
		EP3	7.81%	1.2277	
		EP2	0.96%	0.1511	
			79.43%	12.4786	
		EDC-S	20.57%	3.2324	81.6%
			20.57%	3.2324	
33	15.8706				
		SFR	57.72%	9.1603	29.9%
		Roads_Secondary	2.39%	0.3799	100.0%
		MFR	1.78%	0.2829	64.6%
		EP3	10.68%	1.6951	
		EP2	3.68%	0.5845	
			76.26%	12.1027	
		EDC-S	23.74%	3.7679	79.2%
			23.74%	3.7679	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
34	27.0665				
		Water_Body	20.21%	5.4698	100.0%
		SFR	24.13%	6.5320	28.6%
		Roads_Secondary	0.61%	0.1642	100.0%
		MFR	0.64%	0.1745	59.1%
		EP4	0.35%	0.0950	
		EP3	7.58%	2.0529	
		EP2	0.72%	0.1938	
		CICU	31.28%	8.4668	4.0%
			85.53%	23.1491	
		EDC-S	14.47%	3.9173	80.5%
			14.47%	3.9173	
35	18.7837				
		Roads_Secondary	0.15%	0.0290	100.0%
		Roads_Primary	2.15%	0.4041	100.0%
		EP4	4.07%	0.7648	
		EP3	15.82%	2.9713	
		EP2	67.91%	12.7551	
		CICU	0.14%	0.0259	
			90.24%	16.9502	
		EDC-P	9.76%	1.8335	61.5%
			9.76%	1.8335	
36	2.5972				
		SFR	0.16%	0.0041	11.3%
		Roads_Secondary	0.02%	0.0006	100.0%
		EP3	0.28%	0.0072	
		EP2	8.01%	0.2081	
		EP1	12.46%	0.3235	
			20.93%	0.5435	
		EDC-P	79.07%	2.0537	55.9%
			79.07%	2.0537	
37	2.6223				
		SFR	28.64%	0.7511	20.5%
		Roads_Secondary	0.25%	0.0065	100.0%
		EP4	4.97%	0.1303	
		EP3	11.85%	0.3108	
		EP2	16.33%	0.4281	
		EP1	8.22%	0.2155	
			70.26%	1.8424	
		EDC-S	29.74%	0.7799	38.0%
			29.74%	0.7799	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
38	322.8225				
		SFR	7.19%	23.2180	17.8%
		Roads_Unpaved	0.09%	0.3012	
		Roads_Secondary	0.13%	0.4127	100.0%
		EP3	0.37%	1.1992	
		EP2	61.97%	200.0619	
		EP1	27.09%	87.4458	
			96.85%	312.6387	
		EDC-S	3.15%	10.1838	72.2%
			3.15%	10.1838	
39	20.5995				
		SFR	63.74%	13.1295	19.3%
		Roads_Secondary	0.15%	0.0318	100.0%
		EP3	0.11%	0.0223	
		EP2	19.31%	3.9775	
			83.31%	17.1611	
		EDC-S	16.69%	3.4384	76.6%
			16.69%	3.4384	
40	143.7299				
		SFR	18.38%	26.4206	19.3%
		Roads_Unpaved	0.04%	0.0646	
		Roads Secondary	0.35%	0.5026	100.0%
		Roads Primary	0.07%	0.1046	100.0%
		EP4	0.17%	0.2409	
		EP3	3.72%	5.3448	
		EP2	56.77%	81.6026	
		EP1	11.47%	16.4841	
		CICU	0.71%	1.0222	24.5%
			91.69%	131.7869	
		EDC-S	7.12%	10.2328	80.1%
		EDC-P	1.19%	1.7101	75.7%
			8.31%	11.9429	
41	23.0900				
		SFR	53.06%	12.2517	29.4%
		Roads Unpaved	0.07%	0.0168	
		Roads_Secondary	0.24%	0.0544	100.0%
		EP3	20.01%	4.6210	
		EP2	3.05%	0.7044	
			76.43%	17.6482	
		EDC-S	23.57%	5.4418	72.4%
			23.57%	5.4418	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
42	46.4718				
		SFR	46.45%	21.5842	29.7%
		Roads_Unpaved	0.05%	0.0232	
		Roads_Secondary	1.15%	0.5327	100.0%
		EP4	1.21%	0.5633	
		EP3	24.53%	11.3981	
		EP2	3.79%	1.7610	
			77.17%	35.8625	
		EDC-S	22.83%	10.6093	76.4%
			22.83%	10.6093	
43	11.1318				
		SFR	36.96%	4.1147	39.6%
		Roads_Secondary	0.75%	0.0836	100.0%
		EP4	3.16%	0.3517	
		EP3	32.06%	3.5692	
		EP2	4.48%	0.4982	
			77.41%	8.6174	
		EDC-S	22.59%	2.5144	79.1%
			22.59%	2.5144	
44	95.8186				
		Veg_Unimpacted	0.02%	0.0164	
		SFR	31.62%	30.2982	26.3%
		Roads_Secondary	1.22%	1.1716	100.0%
		Roads_Primary	0.02%	0.0212	100.0%
		MFR	9.70%	9.2917	37.3%
		EP4	2.81%	2.6879	
		EP3	22.37%	21.4378	
		EP2	9.12%	8.7384	
		EP1	0.15%	0.1481	
			77.03%	73.8114	
		EDC-S	19.01%	18.2157	76.6%
		EDC-P	3.96%	3.7916	75.0%
			22.97%	22.0072	
45	5.6901				
		SFR	40.59%	2.3098	34.9%
		Roads_Secondary	0.68%	0.0390	100.0%
		MFR	6.76%	0.3846	41.6%
		EP3	2.84%	0.1613	
		EP2	16.46%	0.9367	
			67.33%	3.8314	
		EDC-S	32.67%	1.8587	73.7%
			32.67%	1.8587	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
46	15.0231				
		SFR	69.36%	10.4206	31.8%
		Roads_Secondary	1.79%	0.2684	100.0%
		EP3	3.06%	0.4604	
		EP2	4.30%	0.6465	
			78.52%	11.7959	
		EDC-S	21.48%	3.2273	73.7%
			21.48%	3.2273	
47	7.0237				
		SFR	62.95%	4.4215	38.0%
		Roads_Secondary	0.16%	0.0113	100.0%
		EP3	0.30%	0.0210	
		EP2	5.44%	0.3818	
			68.85%	4.8356	
		EDC-S	31.15%	2.1881	77.3%
			31.15%	2.1881	
48	53.3758				
		SFR	0.29%	0.1555	39.2%
		Roads_Secondary	0.07%	0.0379	100.0%
		Roads_Primary	0.01%	0.0055	100.0%
		EP4	0.13%	0.0694	
		EP3	69.65%	37.1787	
		EP2	19.32%	10.3148	
		CICU	0.73%	0.3892	34.6%
			90.21%	48.1510	
		EDC-S	3.17%	1.6940	60.4%
		EDC-P	6.61%	3.5308	56.2%
			9.79%	5.2248	
49	9.4438				
		SFR	54.98%	5.1920	38.6%
		Roads_Secondary	2.89%	0.2731	100.0%
		EP4	0.41%	0.0388	
		EP3	13.91%	1.3140	
		EP2	0.49%	0.0467	
			72.69%	6.8646	
		EDC-S	27.31%	2.5792	76.0%
			27.31%	2.5792	
50	83.3234				
		SFR	38.67%	32.2229	28.4%
		Roads_Secondary	0.99%	0.8245	100.0%
		EP3	32.73%	27.2700	
		EP2	11.85%	9.8700	
			84.23%	70.1874	
		EDC-S	15.77%	13.1360	73.0%
			15.77%	13.1360	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
51	10.7240				
		SFR	73.59%	7.8923	30.5%
		Roads_Secondary	0.23%	0.0242	100.0%
		EP3	8.76%	0.9397	
		EP2	0.02%	0.0022	
			82.60%	8.8585	
		EDC-S	17.40%	1.8656	69.8%
			17.40%	1.8656	
52	17.4930				
		SFR	61.81%	10.8118	29.9%
		Roads Secondary	0.25%	0.0442	100.0%
		EP3	9.55%	1.6708	
		EP2	4.15%	0.7267	
			75.76%	13.2535	
		EDC-S	24.24%	4.2395	75.7%
			24.24%	4.2395	
53	15.7909				
		SFR	0.55%	0.0870	22.5%
		Roads Unpaved	0.05%	0.0072	
		Roads_Secondary	0.51%	0.0798	100.0%
		Roads_Primary	0.12%	0.0182	100.0%
		EP4	0.44%	0.0691	
		EP3	4.78%	0.7554	
		EP2	4.61%	0.7281	
			11.05%	1.7449	
		EDC-S	0.00%	0.0006	
		EDC-P	88.95%	14.0455	53.1%
			88.95%	14.0460	
54	5.0134				
		SFR	2.36%	0.1181	
		Roads_Secondary	0.03%	0.0014	100.0%
		EP4	5.68%	0.2848	
		EP3	40.36%	2.0232	
		EP2	0.02%	0.0010	
			48.44%	2.4286	
		EDC-S	1.21%	0.0609	62.6%
		EDC-P	50.34%	2.5239	84.4%
			51.56%	2.5848	
55	12.2361				
		SFR	59.94%	7.3348	14.8%
		Roads_Secondary	0.40%	0.0488	100.0%
		EP3	5.40%	0.6609	
		EP2	20.28%	2.4811	
			86.02%	10.5256	
		EDC-S	13.98%	1.7105	66.0%
			13.98%	1.7105	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
56	2.1049				
		SFR	25.62%	0.5392	10.8%
		Roads_Secondary	0.66%	0.0138	100.0%
		EP3	13.76%	0.2897	
		EP2	24.50%	0.5157	
			64.54%	1.3585	
		EDC-S	35.46%	0.7464	76.9%
			35.46%	0.7464	
57	3.4561				
		SFR	23.69%	0.8188	12.1%
		Roads Secondary	0.92%	0.0319	100.0%
		EP3	10.86%	0.3755	
		EP2	39.71%	1.3723	
			75.19%	2.5985	
		EDC-S	24.81%	0.8576	76.9%
			24.81%	0.8576	
58	15.7342				
		SFR	28.83%	4.5366	20.8%
		Roads Secondary	0.60%	0.0948	100.0%
		EP3	28.50%	4.4842	
		EP2	21.29%	3.3499	
			79.23%	12.4656	
		EDC-S	20.77%	3.2686	67.6%
			20.77%	3.2686	
59	35.1939				
		SFR	47.44%	16.6967	20.1%
		Roads_Secondary	0.44%	0.1560	100.0%
		EP4	0.61%	0.2138	
		EP3	16.96%	5.9695	
		EP2	16.44%	5.7863	
			81.90%	28.8222	
		EDC-S	18.10%	6.3702	65.6%
		EDC-P	0.00%	0.0016	83.3%
			18.10%	6.3718	
60	80.7876				
		SFR	32.87%	26.5563	22.0%
		Roads Secondary	1.07%	0.8640	100.0%
		EP4	2.36%	1.9097	
		EP3	31.96%	25.8224	
		EP2	10.18%	8.2266	
			78.45%	63.3790	
		EDC-S	20.98%	16.9496	66.7%
		EDC-P	0.57%	0.4590	97.7%
			21.55%	17.4086	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
61	14.0996				
		SFR	32.80%	4.6246	24.4%
		Roads_Secondary	0.34%	0.0474	100.0%
		EP3	38.49%	5.4271	
		EP2	6.42%	0.9051	
			78.05%	11.0042	
		EDC-S	21.95%	3.0954	64.8%
			21.95%	3.0954	
62	10.2902				
		SFR	55.79%	5.7412	27.3%
		Roads Secondary	0.85%	0.0879	100.0%
		EP3	7.38%	0.7594	
		EP2	9.27%	0.9534	
			73.29%	7.5419	
		EDC-S	26.71%	2.7482	76.8%
			26.71%	2.7482	
63	123.7492				
		SFR	43.34%	53.6276	25.0%
		Roads Secondary	1.22%	1.5109	100.0%
		MFR	0.11%	0.1376	36.0%
		EP4	1.53%	1.8979	
		EP3	20.87%	25.8254	
		EP2	12.72%	15.7419	
			79.79%	98.7414	
		EDC-S	19.12%	23.6558	73.4%
		EDC-P	1.09%	1.3520	71.6%
			20.21%	25.0078	
64	21.4570				
		SFR	33.74%	7.2399	20.3%
		Roads_Secondary	0.25%	0.0539	100.0%
		Roads_Primary	0.11%	0.0225	100.0%
		EP3	9.14%	1.9621	
		EP2	30.61%	6.5674	
			73.85%	15.8457	
		EDC-S	9.98%	2.1411	63.9%
		EDC-P	16.17%	3.4702	69.9%
			26.15%	5.6113	
65	3.7983				
		SFR	44.38%	1.6859	29.5%
		Roads_Secondary	0.24%	0.0090	100.0%
		EP3	8.16%	0.3098	
		EP2	0.69%	0.0262	
			53.47%	2.0308	
		EDC-S	24.42%	0.9277	79.1%
		EDC-P	22.11%	0.8398	58.3%
			46.53%	1.7675	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
66	11.7844				
		SFR	31.41%	3.7010	22.6%
		Roads_Secondary	3.91%	0.4603	100.0%
		Roads_Primary	0.00%	0.0003	100.0%
		EP3	22.66%	2.6703	
		EP2	11.88%	1.4004	
			69.86%	8.2323	
		EDC-S	24.83%	2.9265	60.7%
		EDC-P	5.31%	0.6256	58.2%
			30.14%	3.5521	
67	126.7241				
		Veg_Unimpacted	0.27%	0.3373	
		Veg_Recreational	5.80%	7.3487	
		SFR	11.39%	14.4398	10.4%
		Roads_Unpaved	0.69%	0.8745	
		Roads_Secondary	2.02%	2.5566	100.0%
		Roads_Primary	0.01%	0.0136	100.0%
		EP4	5.36%	6.7942	
		EP3	46.52%	58.9484	
		EP2	16.48%	20.8886	
		CICU	10.92%	13.8322	2.3%
			99.46%	126.0339	
		EDC-S	0.54%	0.6902	36.3%
			0.54%	0.6902	
68	132.6227				
		SFR	34.49%	45.7467	31.6%
		Roads_Secondary	3.28%	4.3472	100.0%
		Roads_Primary	0.00%	0.0042	100.0%
		MFR	0.57%	0.7526	32.5%
		EP3	29.78%	39.4936	
		EP2	4.46%	5.9209	
		CICU	9.76%	12.9402	65.3%
			82.34%	109.2054	
		EDC-S	17.66%	23.4173	76.2%
			17.66%	23.4173	
69	136.5649				
		Veg_Turf	0.02%	0.0260	
		SFR	40.07%	54.7204	28.0%
		Roads_Secondary	1.18%	1.6135	100.0%
		MFR	9.83%	13.4241	31.6%
		EP3	28.78%	39.3063	
		EP2	0.26%	0.3549	
		CICU	4.96%	6.7783	48.0%
			85.10%	116.2235	
		EDC-S	14.90%	20.3415	78.6%
			14.90%	20.3415	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
70	217.5303				
		SFR	21.80%	47.4202	20.8%
		Roads_Secondary	0.94%	2.0373	100.0%
		Roads_Primary	0.02%	0.0334	100.0%
		EP4	0.22%	0.4679	
		EP3	51.27%	111.5181	
		EP2	7.96%	17.3104	
		CICU	0.32%	0.6870	6.3%
			82.51%	179.4742	
		EDC-S	12.06%	26.2239	68.9%
		EDC-P	5.44%	11.8322	62.5%
			17.49%	38.0561	
71	43.7905				
		SFR	32.24%	14.1168	21.8%
		Roads_Secondary	1.70%	0.7459	100.0%
		EP3	18.64%	8.1604	
		EP2	28.59%	12.5217	
		CICU	0.60%	0.2633	17.6%
			81.77%	35.8081	
		EDC-S	18.23%	7.9824	70.3%
			18.23%	7.9824	
72	118.7810				
		SFR	33.05%	39.2549	21.3%
		Roads_Secondary	1.00%	1.1923	100.0%
		EP3	28.48%	33.8234	
		EP2	16.35%	19.4214	
		CICU	0.02%	0.0200	18.3%
			78.89%	93.7119	
		EDC-S	21.11%	25.0690	66.6%
			21.11%	25.0690	
73	109.3269				
		SFR	20.29%	22.1771	23.9%
		Roads_Secondary	1.10%	1.1988	100.0%
		EP4	0.03%	0.0279	
		EP3	36.49%	39.8988	
		EP2	26.03%	28.4620	
		CICU	0.01%	0.0089	94.0%
			83.94%	91.7736	
		EDC-S	16.06%	17.5533	70.6%
			16.06%	17.5533	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
74	485.1668				
		SFR	22.38%	108.5601	17.4%
		Roads_Unpaved	0.03%	0.1240	
		Roads_Secondary	0.73%	3.5443	100.0%
		EP3	34.39%	166.8676	
		EP2	31.67%	153.6388	
		EP1	1.09%	5.2723	
		CICU	0.03%	0.1336	43.8%
			90.31%	438.1407	
		EDC-S	9.63%	46.7383	66.7%
		EDC-P	0.06%	0.2878	19.8%
			9.69%	47.0262	
75	34.9124				
		SFR	18.61%	6.4969	22.4%
		Roads_Secondary	0.44%	0.1537	100.0%
		Roads_Primary	0.08%	0.0279	100.0%
		EP3	37.50%	13.0905	
		EP2	22.36%	7.8052	
			78.98%	27.5742	
		EDC-S	9.06%	3.1641	73.2%
		EDC-P	11.96%	4.1741	68.6%
			21.02%	7.3383	
76	270.1590				
		Water Body	0.06%	0.1558	100.0%
		Veg Unimpacted	0.00%	0.0002	
		Veg_Turf	0.01%	0.0199	
		SFR	2.70%	7.2895	13.9%
		Roads Secondary	0.05%	0.1390	100.0%
		MFR	0.44%	1.1831	13.7%
		EP4	0.05%	0.1322	
		EP3	1.34%	3.6134	
		EP2	86.70%	234.2281	
		EP1	5.18%	13.9847	
		CICU	0.65%	1.7437	6.4%
			97.16%	262.4897	
		EDC-S	2.84%	7.6692	68.3%
			2.84%	7.6692	
77	174.0788				
		Veg_Turf	0.07%	0.1139	
		SFR	6.82%	11.8683	25.4%
		Roads_Secondary	0.41%	0.7219	100.0%
		MFR	0.05%	0.0806	
		EP4	0.11%	0.1844	
		EP3	3.74%	6.5045	
		EP2	76.08%	132.4342	
		EP1	4.47%	7.7868	
			91.74%	159.6946	
		EDC-S	6.34%	11.0426	64.8%
		EDC-P	1.92%	3.3415	79.6%
			8.26%	14.3841	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
78	368.6772				
		SFR	12.19%	44.9397	24.3%
		Roads_Unpaved	0.00%	0.0123	
		Roads_Secondary	0.70%	2.5837	100.0%
		MFR	0.09%	0.3442	20.6%
		EP4	0.41%	1.5206	
		EP3	16.88%	62.2262	
		EP2	63.47%	233.9896	
		EP1	0.74%	2.7460	
			94.49%	348.3623	
		EDC-S	5.51%	20.2993	76.8%
		EDC-P	0.00%	0.0156	99.7%
			5.51%	20.3149	
79	43.5665				
		SFR	34.07%	14.8445	24.9%
		Roads_Secondary	1.95%	0.8488	100.0%
		EP4	8.68%	3.7806	
		EP3	32.68%	14.2373	
		EP2	1.00%	0.4354	
			78.38%	34.1466	
		EDC-S	21.62%	9.4199	70.1%
			21.62%	9.4199	
80	4.6403				
		SFR	1.09%	0.0506	13.2%
		Roads_Secondary	0.39%	0.0180	100.0%
		EP4	0.24%	0.0110	
		EP3	3.58%	0.1663	
		EP2	0.29%	0.0133	
			5.59%	0.2593	
		EDC-S	94.41%	4.3810	72.6%
			94.41%	4.3810	
81	120.7758				
		SFR	14.49%	17.5027	17.8%
		Roads_Secondary	0.53%	0.6416	100.0%
		EP4	2.67%	3.2257	
		EP3	48.17%	58.1824	
		EP2	21.47%	25.9261	
			87.33%	105.4784	
		EDC-S	12.67%	15.2974	66.7%
			12.67%	15.2974	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
82	1193.8024				
		Water_Body	1.62%	19.3603	100.0%
		SFR	3.63%	43.3052	19.6%
		Roads_Unpaved	0.25%	2.9387	
		Roads Secondary	0.15%	1.7544	100.0%
		EP4	0.07%	0.8717	
		EP3	31.92%	381.0756	
		EP2	59.28%	707.6505	
		EP1	1.10%	13.1151	
			98.01%	1170.0713	
		EDC-S	1.99%	23.7311	65.9%
			1.99%	23.7311	
83	414.0301				
		SFR	33.02%	136.7312	19.5%
		Roads_Unpaved	0.11%	0.4420	
		Roads Secondary	0.89%	3.6645	100.0%
		MFR	0.06%	0.2453	42.8%
		EP4	4.12%	17.0525	
		EP3	26.22%	108.5513	
		EP2	22.36%	92.5888	
			86.78%	359.2756	
		EDC-S	13.22%	54.7545	73.9%
			13.22%	54.7545	
84	151.8489				
		SFR	35.85%	54.4403	22.1%
		Roads Unpaved	0.01%	0.0180	
		Roads Secondary	1.45%	2.2007	100.0%
		EP4	8.53%	12.9552	
		EP3	31.49%	47.8097	
		EP2	3.58%	5.4325	
			80.91%	122.8564	
		EDC-S	19.09%	28.9925	72.1%
			19.09%	28.9925	
85	78.4582				
		SFR	34.35%	26.9536	23.4%
		Roads_Unpaved	0.06%	0.0492	
		Roads_Secondary	2.29%	1.7949	100.0%
		EP4	0.00%	0.0006	
		EP3	29.96%	23.5034	
		EP2	11.56%	9.0688	
		EP1	0.99%	0.7763	
		CICU	8.21%	6.4450	44.6%
			87.42%	68.5918	
		EDC-S	12.58%	9.8665	69.4%
			12.58%	9.8665	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
86	339.7126				
		Water_Body	0.04%	0.1205	100.0%
		Veg_Turf	14.72%	49.9903	
		SFR	11.48%	38.9899	18.3%
		Roads_Unpaved	0.16%	0.5395	
		Roads_Secondary	0.66%	2.2390	100.0%
		Roads_Primary	0.04%	0.1420	100.0%
		MFR	0.57%	1.9428	56.0%
		EP4	1.02%	3.4803	
		EP3	20.99%	71.3018	
		EP2	38.93%	132.2451	
		EP1	2.77%	9.4006	
		CICU	2.54%	8.6220	54.9%
			93.91%	319.0138	
		EDC-S	6.09%	20.6988	69.1%
			6.09%	20.6988	
87	1461.7715				
		SFR	4.32%	63.1729	10.8%
		Roads_Unpaved	0.04%	0.5289	
		Roads_Secondary	0.05%	0.7079	100.0%
		MFR	1.15%	16.7511	1.2%
		EP3	4.54%	66.3582	
		EP2	74.40%	1087.6076	
		EP1	14.83%	216.8483	
			99.33%	1451.9749	
		EDC-S	0.67%	9.7966	71.4%
			0.67%	9.7966	
88	676.7160				
		SFR	0.95%	6.3972	11.8%
		Roads_Secondary	0.02%	0.1250	100.0%
		Roads_Primary	0.21%	1.4527	100.0%
		MFR	2.17%	14.7156	1.5%
		EP4	0.01%	0.0987	
		EP3	7.22%	48.8720	
		EP2	77.09%	521.6729	
		EP1	11.52%	77.9673	
		CICU	0.22%	1.4707	36.6%
			99.42%	672.7720	
		EDC-S	0.58%	3.9440	62.7%
			0.58%	3.9440	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
89	455.1026				
		SFR	8.88%	40.4253	19.7%
		Roads_Unpaved	0.48%	2.1828	
		Roads_Secondary	1.45%	6.5794	100.0%
		MFR	0.41%	1.8737	28.1%
		EP3	25.69%	116.9302	
		EP2	44.65%	203.1905	
		EP1	10.15%	46.1960	
		CICU	3.50%	15.9487	36.5%
			95.22%	433.3267	
		EDC-S	4.78%	21.7759	66.1%
			4.78%	21.7759	
90	7357.6999				
		Water_Body	0.22%	15.8948	100.0%
		Veg_Unimpacted	0.23%	17.0113	
		SFR	0.01%	0.8856	12.6%
		Roads_Unpaved	0.05%	3.9535	
		Roads_Secondary	0.07%	4.7925	100.0%
		Roads_Primary	0.28%	20.8725	100.0%
		EP4	5.26%	386.9548	
		EP3	19.36%	1424.6313	
		EP2	54.41%	4003.5795	
		EP1	20.03%	1473.8280	
		CICU	0.02%	1.4742	66.1%
			99.95%	7353.8779	
		EDC-S	0.05%	3.8220	63.1%
			0.05%	3.8220	
91	194.9403				
		Veg_Unimpacted	0.00%	0.0023	
		SFR	11.83%	23.0687	5.9%
		Roads_Unpaved	0.13%	0.2442	
		Roads_Secondary	0.11%	0.2142	100.0%
		EP4	8.55%	16.6735	
		EP3	55.54%	108.2781	
		EP2	21.51%	41.9387	
			97.68%	190.4197	
		EDC-S	2.32%	4.5205	60.9%
			2.32%	4.5205	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
92	363.6476				
		Veg_Unimpacted	0.06%	0.2271	
		SFR	13.37%	48.6297	17.8%
		Roads_Unpaved	0.14%	0.5037	
		Roads Secondary	0.27%	0.9900	100.0%
		Roads_Primary	0.87%	3.1727	100.0%
		MFR	0.09%	0.3192	22.3%
		EP4	3.12%	11.3595	
		EP3	59.09%	214.8954	
		EP2	14.62%	53.1578	
		EP1	2.87%	10.4335	
		CICU	0.43%	1.5818	4.4%
			94.95%	345.2704	
		EDC-S	5.05%	18.3772	70.1%
			5.05%	18.3772	
93	219.3750				
		Water_Body	0.08%	0.1708	100.0%
		Veg_Unimpacted	0.16%	0.3549	
		SFR	1.88%	4.1337	6.7%
		Roads Unpaved	0.24%	0.5369	
		Roads_Secondary	1.78%	3.8989	100.0%
		Roads_Primary	0.82%	1.8013	100.0%
		EP4	0.05%	0.0987	
		EP3	40.30%	88.4113	
		EP2	51.59%	113.1736	
		EP1	1.45%	3.1750	
			98.35%	215.7551	
		EDC-S	1.65%	3.6198	58.4%
			1.65%	3.6198	
94	323.0427				
		Water Body	0.95%	3.0719	100.0%
		Veg_Unimpacted	0.27%	0.8631	
		SFR	13.71%	44.2938	11.9%
		Roads_Unpaved	0.21%	0.6823	
		Roads Secondary	1.59%	5.1520	100.0%
		Roads_Primary	0.59%	1.8949	100.0%
		MFR	0.12%	0.3736	13.2%
		EP4	0.02%	0.0647	
		EP3	30.91%	99.8559	
		EP2	46.00%	148.6073	
		EP1	0.70%	2.2616	
			95.07%	307.1212	
		EDC-S	4.93%	15.9215	67.8%
			4.93%	15.9215	

UPC	Area (AC)	Land USe Name	% of Catchment	Area (Acre)	Impervious %
95	17.7098				
		SFR	**13.12%**	2.3228	**15.1%**
		Roads_Secondary	**0.61%**	0.1074	**100.0%**
		EP3	**7.83%**	1.3864	
		EP2	**31.81%**	5.6329	
			53.36%	**9.4495**	
		EDC-S	**46.64%**	8.2603	**65.2%**
			46.64%	**8.2603**	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
1	**7521**	**12%**	1439357	12117319
1	**7522**	**8%**	1029158	12117319
1	**7523**	**6%**	712820	12117319
1	**7524**	**49%**	5933577	12117319
1	**7525**	**14%**	1643395	12117319
1	**7526**	**11%**	1359012	12117319
		100%	12117319	
2	**7524**	**78%**	2022331	2586557
2	**7525**	**22%**	564226	2586557
		100%	2586557	
3	**7521**	**26%**	3935129	15004538
3	**7522**	**12%**	1756320	15004538
3	**7523**	**2%**	359050	15004538
3	**7524**	**55%**	8274340	15004538
3	**7525**	**4%**	670063	15004538
3	**W**	**0%**	9637	15004538
		100%	15004538	
4	**7484**	**28%**	2153942	7589065
4	**7485**	**51%**	3857651	7589065
4	**7486**	**20%**	1537135	7589065
4	**7489**	**0%**	34591	7589065
4	**7524**	**0%**	5745	7589065
		100%	7589065	
5	**7484**	**21%**	715463	3363764
5	**7485**	**8%**	275424	3363764
5	**7524**	**51%**	1720798	3363764
5	**7525**	**19%**	632716	3363764
5	**9011**	**0%**	15211	3363764
5	**W**	**0%**	4152	3363764
		100%	3363764	
6	**7011**	**3%**	95500	3066142
6	**7431**	**13%**	395741	3066142
6	**7484**	**34%**	1028061	3066142
6	**7485**	**49%**	1499810	3066142
6	**W**	**2%**	47029	3066142
		100%	3066142	
7	**7431**	**4%**	73240	1761086
7	**7452**	**4%**	69682	1761086
7	**7471**	**0%**	7859	1761086
7	**7484**	**4%**	66743	1761086
7	**7485**	**76%**	1341212	1761086
7	**7486**	**11%**	202351	1761086
		100%	1761086	
8	**7484**	**33%**	705848	2148294
8	**7485**	**67%**	1442447	2148294
		100%	2148294	
9	**7485**	**36%**	68807	192476
9	**7486**	**64%**	123668	192476
		100%	192476	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
10	**7484**	**4%**	44627	1145885
10	**7485**	**79%**	907620	1145885
10	**7486**	**15%**	168551	1145885
10	**W**	**2%**	25087	1145885
		100%	1145885	
11	**7462**	**5%**	225262	4289913
11	**7484**	**10%**	437097	4289913
11	**7485**	**34%**	1468473	4289913
11	**7486**	**50%**	2131299	4289913
11	**W**	**1%**	27781	4289913
		100%	4289913	
12	**7462**	**2%**	48386	2233824
12	**7484**	**8%**	175003	2233824
12	**7485**	**32%**	712324	2233824
12	**7486**	**55%**	1230310	2233824
12	**7541**	**3%**	67785	2233824
12	**W**	**0%**	17	2233824
		100%	2233824	
13	**7484**	**10%**	35740	351377
13	**7485**	**58%**	202535	351377
13	**7541**	**32%**	113102	351377
		100%	351377	
14	**7443**	**2%**	77404	4745962
14	**7484**	**16%**	773522	4745962
14	**7485**	**32%**	1527628	4745962
14	**7486**	**19%**	881670	4745962
14	**7541**	**31%**	1482310	4745962
14	**W**	**0%**	3429	4745962
		100%	4745962	
15	**7443**	**63%**	668935	1068412
15	**7485**	**1%**	10602	1068412
15	**7486**	**21%**	225852	1068412
15	**7489**	**15%**	163023	1068412
		100%	1068412	
16	**7443**	**54%**	695663	1291590
16	**7485**	**21%**	267789	1291590
16	**7486**	**22%**	284227	1291590
16	**7489**	**3%**	43911	1291590
		100%	1291590	
17	**7443**	**60%**	1107148	1845753
17	**7484**	**6%**	103198	1845753
17	**7485**	**21%**	382854	1845753
17	**7541**	**14%**	252553	1845753
		100%	1845753	
18	**7452**	**15%**	8121	55648
18	**7486**	**85%**	47527	55648
		100%	55648	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
19	**7484**	**28%**	539427	1924700
19	**7485**	**32%**	611215	1924700
19	**7486**	**6%**	114150	1924700
19	**7487**	**7%**	141027	1924700
19	**7488**	**27%**	518882	1924700
		100%	1924700	
20	**7452**	**3%**	22904	790486
20	**7484**	**8%**	60387	790486
20	**7485**	**15%**	114893	790486
20	**7486**	**75%**	592303	790486
		100%	790486	
21	**7452**	**7%**	139442	1940647
21	**7485**	**2%**	29725	1940647
21	**7486**	**70%**	1361905	1940647
21	**7487**	**10%**	193416	1940647
21	**7489**	**11%**	216159	1940647
		100%	1940647	
22	**7041**	**3%**	369668	11139045
22	**7042**	**0%**	8913	11139045
22	**7231**	**6%**	708228	11139045
22	**7232**	**6%**	684436	11139045
22	**7521**	**5%**	526779	11139045
22	**7522**	**46%**	5121052	11139045
22	**7523**	**10%**	1145031	11139045
22	**7525**	**23%**	2574939	11139045
		100%	11139045	
23	**7411**	**100%**	888771	888771
		100%	888771	
24	**7411**	**8%**	410538	4989268
24	**7461**	**2%**	115928	4989268
24	**7462**	**7%**	349030	4989268
24	**7521**	**34%**	1674559	4989268
24	**7522**	**23%**	1170501	4989268
24	**7523**	**25%**	1268711	4989268
		100%	4989268	
25	**7071**	**11%**	517099	4602525
25	**7411**	**9%**	395935	4602525
25	**7444**	**0%**	16243	4602525
25	**7461**	**23%**	1069359	4602525
25	**7462**	**29%**	1332464	4602525
25	**7521**	**3%**	122812	4602525
25	**7522**	**6%**	291149	4602525
25	**7523**	**17%**	766897	4602525
25	**7525**	**2%**	90569	4602525
		100%	4602525	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
26	**7231**	**3%**	332525	12502478
26	**7232**	**4%**	556349	12502478
26	**7411**	**16%**	1962256	12502478
26	**7412**	**2%**	218184	12502478
26	**7444**	**2%**	298567	12502478
26	**7461**	**2%**	206337	12502478
26	**7462**	**5%**	638126	12502478
26	**7521**	**18%**	2282700	12502478
26	**7522**	**19%**	2434262	12502478
26	**7523**	**8%**	1045404	12502478
26	**7525**	**20%**	2527769	12502478
		100%	12502478	
27	**7412**	**1%**	5775	515839
27	**7444**	**99%**	510065	515839
		100%	515839	
28	**7071**	**1%**	148768	10273180
28	**7411**	**14%**	1458978	10273180
28	**7412**	**19%**	1985484	10273180
28	**7413**	**18%**	1837607	10273180
28	**7421**	**8%**	857155	10273180
28	**7422**	**13%**	1329917	10273180
28	**7444**	**17%**	1771794	10273180
28	**7531**	**7%**	721506	10273180
28	**7532**	**2%**	161972	10273180
		100%	10273180	
29	**7441**	**3%**	21838	685949
29	**7444**	**95%**	650092	685949
29	**7471**	**2%**	14020	685949
		100%	685949	
30	**7041**	**30%**	33501	113538
30	**7444**	**61%**	69335	113538
30	**7471**	**9%**	10702	113538
		100%	113538	
31	**7444**	**98%**	643831	656769
31	**7461**	**0%**	1731	656769
31	**7471**	**2%**	11208	656769
		100%	656769	
32	**7041**	**0%**	0	684369
32	**7441**	**21%**	140388	684369
32	**7444**	**79%**	543981	684369
		100%	684369	
33	**7441**	**70%**	487291	691323
33	**7444**	**30%**	204033	691323
		100%	691323	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
34	**7041**	**0%**	1134	1179015
34	**7441**	**25%**	299098	1179015
34	**7444**	**11%**	127844	1179015
34	**7461**	**62%**	729384	1179015
34	**7462**	**2%**	21555	1179015
		100%	1179015	
35	**7411**	**66%**	541073	818217
35	**7461**	**34%**	277144	818217
		100%	818217	
36	**7041**	**37%**	42227	113132
36	**7421**	**42%**	47197	113132
36	**7462**	**21%**	23708	113132
		100%	113132	
37	**7041**	**20%**	23232	114227
37	**7421**	**35%**	40242	114227
37	**7462**	**44%**	50753	114227
		100%	114227	
38	**7411**	**1%**	70833	14062148
38	**7413**	**7%**	946168	14062148
38	**7421**	**24%**	3366069	14062148
38	**7422**	**26%**	3599239	14062148
38	**7423**	**3%**	486352	14062148
38	**7491**	**2%**	284126	14062148
38	**7492**	**9%**	1297497	14062148
38	**7532**	**14%**	2036179	14062148
38	**7533**	**8%**	1147577	14062148
38	**9401**	**1%**	87773	14062148
38	**9402**	**3%**	376702	14062148
38	**9443**	**3%**	361118	14062148
38	**9444**	**0%**	2517	14062148
		100%	14062148	
39	**7421**	**72%**	646964	897315
39	**7422**	**28%**	250352	897315
		100%	897315	
40	**7041**	**0%**	4788	6260872
40	**7411**	**18%**	1149489	6260872
40	**7412**	**5%**	319470	6260872
40	**7413**	**3%**	172892	6260872
40	**7421**	**39%**	2443922	6260872
40	**7422**	**8%**	522471	6260872
40	**7423**	**6%**	356353	6260872
40	**7461**	**5%**	329638	6260872
40	**7462**	**7%**	456696	6260872
40	**7532**	**1%**	41922	6260872
40	**7533**	**7%**	463232	6260872
		100%	6260872	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
41	**7442**	**34%**	340248	1005802
41	**7461**	**3%**	25472	1005802
41	**7462**	**20%**	199819	1005802
41	**7491**	**0%**	3462	1005802
41	**7492**	**43%**	436802	1005802
		100%	1005802	
42	**7442**	**18%**	369880	2024311
42	**7462**	**38%**	767561	2024311
42	**7491**	**24%**	477421	2024311
42	**7492**	**20%**	409448	2024311
		100%	2024311	
43	**7442**	**2%**	10762	484902
43	**7462**	**98%**	474141	484902
		100%	484902	
44	**7041**	**1%**	55286	4173860
44	**7421**	**0%**	19077	4173860
44	**7442**	**3%**	145422	4173860
44	**7461**	**35%**	1470911	4173860
44	**7462**	**33%**	1364624	4173860
44	**7491**	**6%**	232425	4173860
44	**7492**	**21%**	886115	4173860
		100%	4173860	
45	**7461**	**100%**	247862	247862
		100%	247862	
46	**7461**	**100%**	654407	654407
		100%	654407	
47	**7461**	**100%**	305953	305953
		100%	305953	
48	**7041**	**1%**	25326	2289814
48	**7441**	**25%**	569334	2289814
48	**7442**	**7%**	155022	2289814
48	**7444**	**7%**	167560	2289814
48	**7461**	**60%**	1372571	2289814
		100%	2289814	
49	**7441**	**13%**	53210	411372
49	**7444**	**41%**	166968	411372
49	**7461**	**43%**	175542	411372
49	**7541**	**4%**	15652	411372
		100%	411372	
50	**7441**	**2%**	62075	3629566
50	**7442**	**33%**	1201498	3629566
50	**7444**	**16%**	588163	3629566
50	**7461**	**49%**	1777829	3629566
		100%	3629566	
51	**7442**	**1%**	6857	467139
51	**7461**	**99%**	460282	467139
		100%	467139	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
52	**7442**	**18%**	138624	761996
52	**7461**	**82%**	623372	761996
		100%	761996	
53	**7441**	**12%**	83088	687853
53	**7442**	**14%**	96329	687853
53	**7443**	**16%**	106952	687853
53	**7451**	**15%**	100561	687853
53	**7491**	**8%**	52999	687853
53	**7541**	**36%**	247925	687853
		100%	687853	
54	**7441**	**29%**	63822	218384
54	**7443**	**4%**	8623	218384
54	**7491**	**67%**	145939	218384
		100%	218384	
55	**7441**	**45%**	237560	533005
55	**7442**	**55%**	295445	533005
		100%	533005	
56	**7442**	**100%**	91691	91691
		100%	91691	
57	**7441**	**10%**	14705	150546
57	**7442**	**90%**	135842	150546
		100%	150546	
58	**7441**	**18%**	123318	685381
58	**7442**	**82%**	562063	685381
		100%	685381	
59	**7441**	**10%**	158444	1533048
59	**7442**	**76%**	1167270	1533048
59	**7492**	**8%**	128313	1533048
59	**7541**	**5%**	79021	1533048
		100%	1533048	
60	**7441**	**15%**	516662	3519109
60	**7442**	**40%**	1397150	3519109
60	**7491**	**0%**	13853	3519109
60	**7492**	**5%**	167964	3519109
60	**7541**	**40%**	1423481	3519109
		100%	3519109	
61	**7441**	**11%**	65014	614178
61	**7442**	**75%**	462998	614178
61	**7541**	**14%**	86167	614178
		100%	614178	
62	**7441**	**89%**	398482	448239
62	**7442**	**11%**	49758	448239
		100%	448239	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
63	**7441**	**15%**	785953	5390513
63	**7442**	**19%**	1023024	5390513
63	**7443**	**16%**	882268	5390513
63	**7491**	**11%**	575483	5390513
63	**7492**	**14%**	759228	5390513
63	**7541**	**25%**	1364557	5390513
		100%	5390513	
64	**7441**	**82%**	767698	934668
64	**7442**	**18%**	166969	934668
		100%	934668	
65	**7441**	**58%**	95518	165456
65	**7442**	**42%**	69937	165456
		100%	165456	
66	**7441**	**10%**	53405	513328
66	**7442**	**90%**	459923	513328
		100%	513328	
67	**7011**	**1%**	81138	5807567
67	**7431**	**22%**	1287736	5807567
67	**7462**	**0%**	7376	5807567
67	**7471**	**3%**	168232	5807567
67	**7484**	**20%**	1143232	5807567
67	**7485**	**14%**	811457	5807567
67	**7486**	**34%**	1980044	5807567
67	**7541**	**6%**	328351	5807567
		100%	5807567	
68	**7041**	**8%**	467378	6011314
68	**7431**	**46%**	2757436	6011314
68	**7461**	**5%**	305183	6011314
68	**7462**	**0%**	10884	6011314
68	**7481**	**41%**	2470433	6011314
		100%	6011314	
69	**7431**	**62%**	3790908	6081428
69	**7481**	**38%**	2290520	6081428
		100%	6081428	
70	**7441**	**6%**	570356	9631664
70	**7442**	**38%**	3655690	9631664
70	**7443**	**3%**	258479	9631664
70	**7461**	**14%**	1372641	9631664
70	**7462**	**20%**	1911769	9631664
70	**7491**	**19%**	1862729	9631664
		100%	9631664	
71	**7041**	**1%**	18871	1907514
71	**7441**	**38%**	723708	1907514
71	**7442**	**45%**	860261	1907514
71	**7451**	**5%**	101162	1907514
71	**7461**	**2%**	43177	1907514
71	**7541**	**8%**	160334	1907514
		100%	1907514	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
72	**7431**	**0%**	4530	5174099
72	**7441**	**17%**	899557	5174099
72	**7442**	**40%**	2090338	5174099
72	**7461**	**37%**	1934256	5174099
72	**7462**	**5%**	245419	5174099
		100%	5174099	
73	**7431**	**17%**	868244	5160315
73	**7441**	**5%**	234470	5160315
73	**7442**	**35%**	1815916	5160315
73	**7461**	**21%**	1092973	5160315
73	**7462**	**22%**	1148711	5160315
		100%	5160315	
74	**7041**	**2%**	351601	21133867
74	**7412**	**1%**	185913	21133867
74	**7413**	**4%**	745400	21133867
74	**7422**	**1%**	305961	21133867
74	**7423**	**9%**	1862007	21133867
74	**7441**	**6%**	1301237	21133867
74	**7442**	**0%**	95329	21133867
74	**7443**	**21%**	4516998	21133867
74	**7451**	**2%**	493564	21133867
74	**7452**	**1%**	132931	21133867
74	**7461**	**4%**	796498	21133867
74	**7462**	**24%**	5144547	21133867
74	**7491**	**22%**	4667303	21133867
74	**7492**	**2%**	384311	21133867
74	**7531**	**1%**	150268	21133867
		100%	21133867	
75	**7441**	**27%**	415212	1520785
75	**7442**	**15%**	226354	1520785
75	**7462**	**42%**	637644	1520785
75	**7491**	**16%**	241575	1520785
		100%	1520785	
76	**7411**	**7%**	881677	11775747
76	**7412**	**54%**	6328855	11775747
76	**7413**	**9%**	1078069	11775747
76	**7422**	**5%**	542952	11775747
76	**7451**	**4%**	471705	11775747
76	**7452**	**3%**	365776	11775747
76	**7461**	**4%**	462390	11775747
76	**7462**	**0%**	25488	11775747
76	**7471**	**0%**	50759	11775747
76	**7531**	**2%**	224134	11775747
76	**7532**	**11%**	1343941	11775747
		100%	11775747	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
77	**7071**	**1%**	105121	7582871
77	**7411**	**36%**	2713342	7582871
77	**7412**	**27%**	2013885	7582871
77	**7413**	**6%**	433004	7582871
77	**7444**	**1%**	56647	7582871
77	**7451**	**0%**	10263	7582871
77	**7452**	**0%**	30616	7582871
77	**7461**	**7%**	493300	7582871
77	**7462**	**11%**	844694	7582871
77	**7531**	**10%**	727896	7582871
77	**7532**	**2%**	154103	7582871
		100%	7582871	
78	**7041**	**4%**	689282	16059579
78	**7411**	**26%**	4159038	16059579
78	**7484**	**1%**	81873	16059579
78	**7485**	**7%**	1162710	16059579
78	**7487**	**3%**	490170	16059579
78	**7521**	**6%**	1016758	16059579
78	**7522**	**28%**	4474336	16059579
78	**7523**	**25%**	3985412	16059579
		100%	16059579	
79	**7431**	**9%**	167181	1897758
79	**7461**	**24%**	456760	1897758
79	**7462**	**42%**	802944	1897758
79	**7483**	**3%**	51449	1897758
79	**7484**	**22%**	419423	1897758
		100%	1897758	
80	**7041**	**27%**	54494	202130
80	**7411**	**13%**	27217	202130
80	**7431**	**43%**	86218	202130
80	**7462**	**2%**	3752	202130
80	**7483**	**9%**	18996	202130
80	**7484**	**2%**	4813	202130
80	**7487**	**3%**	6640	202130
		100%	202130	
81	**7462**	**16%**	836100	5392215
81	**7482**	**33%**	1773160	5392215
81	**7484**	**14%**	756378	5392215
81	**7487**	**24%**	1299118	5392215
81	**7488**	**13%**	727459	5392215
		100%	5392215	
82	**7431**	**3%**	14468	565424
82	**7482**	**97%**	550957	565424
		100%	565424	
83	**7431**	**5%**	926116	18035153
83	**7461**	**41%**	7355407	18035153
83	**7462**	**6%**	1151701	18035153
83	**7482**	**29%**	5171540	18035153
83	**7483**	**19%**	3430389	18035153
		100%	18035153	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
84	**7431**	**13%**	829524	6614537
84	**7461**	**52%**	3420246	6614537
84	**7462**	**15%**	976364	6614537
84	**7482**	**5%**	332621	6614537
84	**7483**	**1%**	82067	6614537
84	**7484**	**15%**	973715	6614537
		100%	6614537	
85	**7413**	**1%**	24737	3645002
85	**7414**	**1%**	28658	3645002
85	**7422**	**1%**	42482	3645002
85	**7451**	**10%**	371383	3645002
85	**7462**	**9%**	340423	3645002
85	**7481**	**58%**	2104218	3645002
85	**7484**	**15%**	550921	3645002
85	**7485**	**5%**	182179	3645002
		100%	3645002	
86	**7041**	**10%**	1580199	15279647
86	**7412**	**5%**	691676	15279647
86	**7413**	**10%**	1570504	15279647
86	**7414**	**0%**	10705	15279647
86	**7422**	**13%**	2021486	15279647
86	**7423**	**12%**	1784508	15279647
86	**7443**	**20%**	2985613	15279647
86	**7461**	**2%**	363247	15279647
86	**7462**	**21%**	3182093	15279647
86	**7481**	**6%**	895218	15279647
86	**7484**	**0%**	14263	15279647
86	**7485**	**0%**	73722	15279647
86	**7531**	**1%**	106414	15279647
		100%	15279647	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
87	**7041**	**1%**	874273	64611450
87	**7411**	**1%**	898478	64611450
87	**7412**	**5%**	3188901	64611450
87	**7413**	**4%**	2549413	64611450
87	**7414**	**3%**	1794504	64611450
87	**7421**	**4%**	2789729	64611450
87	**7422**	**15%**	9696925	64611450
87	**7423**	**11%**	7022880	64611450
87	**7424**	**5%**	3244204	64611450
87	**7426**	**4%**	2828424	64611450
87	**7427**	**9%**	5741363	64611450
87	**7428**	**0%**	243201	64611450
87	**7451**	**5%**	2973611	64611450
87	**7471**	**0%**	235885	64611450
87	**7483**	**2%**	1043763	64611450
87	**7484**	**2%**	1227794	64611450
87	**7485**	**4%**	2822393	64611450
87	**7486**	**3%**	1823206	64611450
87	**7500**	**1%**	827168	64611450
87	**7531**	**3%**	1762945	64611450
87	**7532**	**2%**	1030116	64611450
87	**9011**	**1%**	502390	64611450
87	**9441**	**1%**	650355	64611450
87	**9442**	**4%**	2621498	64611450
87	**9443**	**8%**	5175660	64611450
87	**9444**	**2%**	1042373	64611450
		100%	64611450	
88	**7041**	**0%**	2757	31387534
88	**7412**	**6%**	1908586	31387534
88	**7413**	**7%**	2156136	31387534
88	**7414**	**4%**	1189521	31387534
88	**7421**	**0%**	144222	31387534
88	**7422**	**2%**	516650	31387534
88	**7423**	**6%**	1951803	31387534
88	**7424**	**1%**	309654	31387534
88	**7426**	**7%**	2178942	31387534
88	**7427**	**6%**	1930032	31387534
88	**7431**	**2%**	497211	31387534
88	**7471**	**1%**	226441	31387534
88	**7483**	**4%**	1290835	31387534
88	**7485**	**0%**	74816	31387534
88	**7488**	**11%**	3543056	31387534
88	**7489**	**14%**	4264525	31387534
88	**7500**	**4%**	1222402	31387534
88	**9001**	**2%**	510063	31387534
88	**9441**	**3%**	1086633	31387534
88	**9442**	**13%**	4148381	31387534
88	**9443**	**7%**	2234870	31387534
		100%	31387534	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
89	**7041**	**1%**	132287	21277171
89	**7042**	**0%**	96578	21277171
89	**7412**	**1%**	286658	21277171
89	**7413**	**6%**	1221770	21277171
89	**7414**	**17%**	3620663	21277171
89	**7422**	**2%**	353893	21277171
89	**7423**	**3%**	680951	21277171
89	**7424**	**5%**	1136724	21277171
89	**7431**	**5%**	1152231	21277171
89	**7451**	**16%**	3361031	21277171
89	**7481**	**24%**	5020117	21277171
89	**7482**	**7%**	1405222	21277171
89	**7484**	**0%**	92130	21277171
89	**7485**	**6%**	1273589	21277171
89	**7486**	**5%**	1056579	21277171
89	**7531**	**0%**	16462	21277171
89	**7532**	**2%**	370286	21277171
		100%	21277171	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
90	**7021**	**4%**	11188269	319344135
90	**7041**	**2%**	5237093	319344135
90	**7191**	**0%**	193954	319344135
90	**7401**	**5%**	16165259	319344135
90	**7411**	**2%**	5707440	319344135
90	**7412**	**3%**	7997154	319344135
90	**7413**	**3%**	9470401	319344135
90	**7422**	**1%**	2986001	319344135
90	**7426**	**1%**	4252864	319344135
90	**7427**	**1%**	4003107	319344135
90	**7428**	**1%**	4109052	319344135
90	**7431**	**0%**	2524	319344135
90	**7483**	**0%**	212560	319344135
90	**7484**	**1%**	4468790	319344135
90	**7485**	**2%**	7142665	319344135
90	**7486**	**1%**	1630404	319344135
90	**7487**	**1%**	2211799	319344135
90	**7488**	**2%**	7512207	319344135
90	**7489**	**2%**	4951914	319344135
90	**7500**	**1%**	2941678	319344135
90	**7511**	**4%**	11513169	319344135
90	**7521**	**2%**	5351538	319344135
90	**7532**	**0%**	998524	319344135
90	**9001**	**2%**	4985096	319344135
90	**9011**	**0%**	286196	319344135
90	**9111**	**7%**	21747794	319344135
90	**9131**	**6%**	17578350	319344135
90	**9401**	**0%**	1239151	319344135
90	**9402**	**1%**	2432139	319344135
90	**9404**	**2%**	6762488	319344135
90	**9405**	**3%**	8085413	319344135
90	**9406**	**0%**	722266	319344135
90	**9421**	**6%**	19856175	319344135
90	**9431**	**3%**	8536441	319344135
90	**9441**	**2%**	6070134	319344135
90	**9442**	**7%**	21563926	319344135
90	**9443**	**12%**	36943268	319344135
90	**9444**	**2%**	6236477	319344135
90	**9451**	**5%**	17057463	319344135
90	**9461**	**6%**	18718089	319344135
90	**W**	**0%**	274901	319344135
		100%	319344135	

EDC WS

UPC	Soil Type	%	Area of Soil Type	Area of WS
91	**7041**	**2%**	182547	8483827
91	**7411**	**2%**	180461	8483827
91	**7412**	**3%**	219779	8483827
91	**7413**	**10%**	821093	8483827
91	**7414**	**39%**	3291578	8483827
91	**7483**	**14%**	1207451	8483827
91	**7485**	**10%**	850369	8483827
91	**7486**	**20%**	1691355	8483827
91	**7501**	**0%**	39195	8483827
		100%	8483827	
92	**7041**	**0%**	1788	25952853
92	**7201**	**30%**	7775034	25952853
92	**7412**	**2%**	594413	25952853
92	**7414**	**3%**	727258	25952853
92	**7431**	**4%**	970166	25952853
92	**7471**	**0%**	4280	25952853
92	**7481**	**1%**	355737	25952853
92	**7482**	**6%**	1433118	25952853
92	**7483**	**25%**	6561177	25952853
92	**7485**	**6%**	1634364	25952853
92	**7486**	**22%**	5832548	25952853
92	**7489**	**0%**	62969	25952853
		100%	25952853	
93	**7031**	**0%**	73398	65250142
93	**7041**	**1%**	496416	65250142
93	**7431**	**1%**	376727	65250142
93	**7461**	**1%**	536232	65250142
93	**7481**	**2%**	1499919	65250142
93	**7482**	**5%**	3441884	65250142
93	**7483**	**19%**	12374890	65250142
93	**7484**	**5%**	3197251	65250142
93	**7485**	**8%**	5276016	65250142
93	**7486**	**3%**	1813844	65250142
93	**7487**	**4%**	2364553	65250142
93	**7488**	**5%**	3468929	65250142
93	**7489**	**25%**	16050605	65250142
93	**7500**	**1%**	449595	65250142
93	**7501**	**1%**	565849	65250142
93	**7502**	**19%**	12504281	65250142
93	**9406**	**0%**	167126	65250142
93	**W**	**1%**	592626	65250142
		100%	65250142	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
1					
	EDC-S	**Low**	**67%**	15567	23174
	EDC-S	**Moderate**	**23%**	5413	23174
	EDC-S	**High**	**9%**	2194	23174
			100%	23174	
2					
	CT-P	**Low**	**94%**	791	843
	CT-P	**High**	**6%**	52	843
			100%	843	
	EDC-S	**Low**	**80%**	7538	9428
	EDC-S	**Moderate**	**11%**	1028	9428
	EDC-S	**High**	**9%**	862	9428
			100%	9428	
3					
	CT-P	**Low**	**64%**	1062	1649
	CT-P	**Moderate**	**33%**	543	1649
	CT-P	**High**	**3%**	44	1649
			100%	1649	
	EDC-S	**Low**	**76%**	33008	43453
	EDC-S	**Moderate**	**22%**	9529	43453
	EDC-S	**High**	**2%**	916	43453
			100%	43453	
4					
	CT-P	**Moderate**	**25%**	286	1165
	CT-P	**High**	**75%**	880	1165
			100%	1165	
	EDC-S	**Low**	**25%**	1499	6015
	EDC-S	**Moderate**	**33%**	2000	6015
	EDC-S	**High**	**42%**	2516	6015
			100%	6015	
5					
	CT-P	**Moderate**	**100%**	152	152
			100%	152	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
6					
	CT-P	**Low**	**54%**	1381	2542
	CT-P	**Moderate**	**20%**	500	2542
	CT-P	**High**	**26%**	661	2542
			100%	2542	
	EDC-S	**High**	**100%**	1008	1008
			100%	1008	
7					
	CT-P	**Low**	**60%**	1198	2006
	CT-P	**High**	**40%**	808	2006
			100%	2006	
	EDC-S	**Moderate**	**39%**	2113	5398
	EDC-S	**High**	**61%**	3285	5398
			100%	5398	
8					
	CT-P	**Low**	**72%**	1000	1387
	CT-P	**Moderate**	**1%**	10	1387
	CT-P	**High**	**27%**	378	1387
			100%	1387	
	EDC-S	**Low**	**1%**	40	6581
	EDC-S	**Moderate**	**47%**	3086	6581
	EDC-S	**High**	**52%**	3455	6581
			100%	6581	
9					
	EDC-S	**Low**	**2%**	21	873
	EDC-S	**Moderate**	**31%**	273	873
	EDC-S	**High**	**66%**	579	873
			100%	873	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
10					
	CT-P	**Low**	**36%**	661	1849
	CT-P	**Moderate**	**44%**	814	1849
	CT-P	**High**	**20%**	375	1849
			100%	1849	
	EDC-S	**Low**	**6%**	174	2841
	EDC-S	**Moderate**	**28%**	785	2841
	EDC-S	**High**	**66%**	1882	2841
			100%	2841	
11					
	CT-P	**Low**	**64%**	2203	3421
	CT-P	**Moderate**	**34%**	1176	3421
	CT-P	**High**	**1%**	42	3421
			100%	3421	
	EDC-S	**Low**	**40%**	2607	6566
	EDC-S	**Moderate**	**13%**	828	6566
	EDC-S	**High**	**48%**	3131	6566
			100%	6566	
12					
	CT-P	**Low**	**93%**	1154	1244
	CT-P	**High**	**7%**	91	1244
			100%	1244	
	EDC-S	**Low**	**3%**	80	3059
	EDC-S	**Moderate**	**38%**	1175	3059
	EDC-S	**High**	**59%**	1805	3059
			100%	3059	
13					
	CT-P	**Moderate**	**67%**	444	665
	CT-P	**High**	**33%**	221	665
			100%	665	
	EDC-S	**Moderate**	**54%**	984	1837
	EDC-S	**High**	**46%**	853	1837
			100%	1837	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
14					
	CT-P	**Low**	**43%**	848	1975
	CT-P	**Moderate**	**49%**	974	1975
	CT-P	**High**	**8%**	153	1975
			100%	1975	
	EDC-S	**Low**	**12%**	2014	17234
	EDC-S	**Moderate**	**42%**	7243	17234
	EDC-S	**High**	**46%**	7977	17234
			100%	17234	
15					
	CT-P	**Low**	**36%**	326	918
	CT-P	**Moderate**	**5%**	50	918
	CT-P	**High**	**59%**	542	918
			100%	918	
	EDC-S	**Moderate**	**53%**	1487	2811
	EDC-S	**High**	**47%**	1324	2811
			100%	2811	
16					
	CT-P	**Low**	**48%**	674	1410
	CT-P	**Moderate**	**17%**	237	1410
	CT-P	**High**	**35%**	500	1410
			100%	1410	
	EDC-S	**Low**	**1%**	29	4875
	EDC-S	**Moderate**	**25%**	1222	4875
	EDC-S	**High**	**74%**	3624	4875
			100%	4875	
17					
	EDC-S	**Low**	**23%**	1000	4369
	EDC-S	**Moderate**	**36%**	1574	4369
	EDC-S	**High**	**41%**	1796	4369
			100%	4369	
18					
	EDC-S	**Low**	**100%**	101	101
			100%	101	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
19					
	EDC-S	**Low**	**0%**	8	1853
	EDC-S	**Moderate**	**40%**	747	1853
	EDC-S	**High**	**59%**	1099	1853
			100%	1853	
20					
	EDC-S	**Low**	**59%**	959	1635
	EDC-S	**Moderate**	**22%**	353	1635
	EDC-S	**High**	**20%**	324	1635
			100%	1635	
21					
	EDC-S	**Low**	**19%**	254	1345
	EDC-S	**Moderate**	**58%**	779	1345
	EDC-S	**High**	**23%**	312	1345
			100%	1345	
22					
	EDC-S	**Low**	**13%**	760	5672
	EDC-S	**Moderate**	**41%**	2334	5672
	EDC-S	**High**	**45%**	2579	5672
			100%	5672	
23					
	EDC-P	**Moderate**	**7%**	31	436
	EDC-P	**High**	**93%**	405	436
			100%	436	
	EDC-S	**Moderate**	**76%**	1167	1532
	EDC-S	**High**	**24%**	366	1532
			100%	1532	
24					
	EDC-S	**Low**	**12%**	975	8133
	EDC-S	**Moderate**	**35%**	2857	8133
	EDC-S	**High**	**53%**	4301	8133
			100%	8133	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
25					
	EDC-P	**High**	**100%**	758	758
			100%	758	
	EDC-S	**Moderate**	**49%**	1070	2190
	EDC-S	**High**	**51%**	1121	2190
			100%	2190	
26					
	EDC-P	**High**	**100%**	2282	2282
			100%	2282	
	EDC-S	**Low**	**18%**	1631	8956
	EDC-S	**Moderate**	**35%**	3143	8956
	EDC-S	**High**	**47%**	4182	8956
			100%	8956	
27					
	EDC-P	**High**	**100%**	5223	5223
			100%	5223	
28					
	EDC-S	**Moderate**	**96%**	284	294
	EDC-S	**High**	**4%**	11	294
			100%	294	
29					
	EDC-S	**Low**	**37%**	1249	3406
	EDC-S	**Moderate**	**4%**	146	3406
	EDC-S	**High**	**59%**	2011	3406
			100%	3406	
30					
	EDC-S	**Moderate**	**3%**	28	995
	EDC-S	**High**	**97%**	967	995
			100%	995	
31					
	EDC-S	**Low**	**93%**	4019	4333
	EDC-S	**Moderate**	**7%**	312	4333
	EDC-S	**High**	**0%**	2	4333
			100%	4333	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
32					
	EDC-S	**Low**	**49%**	1646	3374
	EDC-S	**Moderate**	**7%**	251	3374
	EDC-S	**High**	**44%**	1477	3374
			100%	3374	
33					
	EDC-S	**Low**	**75%**	3166	4220
	EDC-S	**High**	**25%**	1054	4220
			100%	4220	
34					
	EDC-S	**Low**	**39%**	1692	4375
	EDC-S	**Moderate**	**9%**	414	4375
	EDC-S	**High**	**52%**	2269	4375
			100%	4375	
35					
	EDC-P	**Low**	**50%**	500	998
	EDC-P	**Moderate**	**50%**	499	998
			100%	998	
36					
	EDC-P	**Low**	**47%**	449	949
	EDC-P	**Moderate**	**53%**	500	949
			100%	949	
37					
	EDC-S	**Moderate**	**65%**	394	609
	EDC-S	**High**	**35%**	215	609
			100%	609	
38					
	EDC-S	**Low**	**9%**	825	8880
	EDC-S	**Moderate**	**62%**	5496	8880
	EDC-S	**High**	**29%**	2559	8880
			100%	8880	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
39					
	EDC-S	**Low**	**17%**	635	3719
	EDC-S	**Moderate**	**52%**	1947	3719
	EDC-S	**High**	**31%**	1137	3719
			100%	3719	
40					
	EDC-P	**Low**	**21%**	215	1018
	EDC-P	**Moderate**	**71%**	722	1018
	EDC-P	**High**	**8%**	81	1018
			100%	1018	
	EDC-S	**Low**	**27%**	2726	10200
	EDC-S	**Moderate**	**31%**	3157	10200
	EDC-S	**High**	**42%**	4317	10200
			100%	10200	
41					
	EDC-S	**Low**	**10%**	427	4451
	EDC-S	**Moderate**	**50%**	2217	4451
	EDC-S	**High**	**41%**	1806	4451
			100%	4451	
42					
	EDC-S	**Low**	**24%**	2176	9163
	EDC-S	**Moderate**	**57%**	5237	9163
	EDC-S	**High**	**19%**	1750	9163
			100%	9163	
43					
	EDC-S	**Low**	**18%**	358	1983
	EDC-S	**Moderate**	**82%**	1626	1983
			100%	1983	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
44					
	EDC-P	**Low**	**92%**	2067	2254
	EDC-P	**Moderate**	**2%**	46	2254
	EDC-P	**High**	**6%**	140	2254
			100%	2254	
	EDC-S	**Low**	**34%**	5500	16415
	EDC-S	**Moderate**	**27%**	4364	16415
	EDC-S	**High**	**40%**	6551	16415
			100%	16415	
45					
	EDC-S	**Low**	**71%**	1324	1871
	EDC-S	**Moderate**	**24%**	457	1871
	EDC-S	**High**	**5%**	89	1871
			100%	1871	
46					
	EDC-S	**Low**	**97%**	2613	2681
	EDC-S	**High**	**3%**	68	2681
			100%	2681	
47					
	EDC-S	**Low**	**100%**	2341	2341
			100%	2341	
48					
	EDC-P	**Low**	**87%**	1327	1533
	EDC-P	**Moderate**	**10%**	146	1533
	EDC-P	**High**	**4%**	59	1533
			100%	1533	
	EDC-S	**Low**	**2%**	25	1621
	EDC-S	**Moderate**	**0%**	1	1621
	EDC-S	**High**	**98%**	1595	1621
			100%	1621	
49					
	EDC-S	**Low**	**43%**	785	1813
	EDC-S	**Moderate**	**23%**	423	1813
	EDC-S	**High**	**33%**	605	1813
			100%	1813	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
50					
	EDC-S	**Low**	**21%**	2320	11061
	EDC-S	**Moderate**	**61%**	6696	11061
	EDC-S	**High**	**18%**	2045	11061
			100%	11061	
51					
	EDC-S	**Low**	**92%**	1530	1665
	EDC-S	**Moderate**	**8%**	135	1665
			100%	1665	
52					
	EDC-S	**Low**	**56%**	2047	3660
	EDC-S	**Moderate**	**40%**	1478	3660
	EDC-S	**High**	**4%**	135	3660
			100%	3660	
53					
	EDC-P	**Low**	**48%**	4636	9640
	EDC-P	**Moderate**	**52%**	4969	9640
	EDC-P	**High**	**0%**	35	9640
			100%	9640	
54					
	EDC-P	**High**	**100%**	448	448
			100%	448	
55					
	EDC-S	**Moderate**	**52%**	546	1046
	EDC-S	**High**	**48%**	500	1046
			100%	1046	
56					
	EDC-S	**Moderate**	**100%**	598	598
			100%	598	
57					
	EDC-S	**Moderate**	**100%**	705	705
			100%	705	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
58					
	EDC-S	**Low**	**36%**	868	2405
	EDC-S	**Moderate**	**64%**	1537	2405
			100%	2405	
59					
	EDC-S	**Low**	**22%**	1240	5660
	EDC-S	**Moderate**	**25%**	1415	5660
	EDC-S	**High**	**53%**	3005	5660
			100%	5660	
60					
	EDC-P	**High**	**100%**	809	809
			100%	809	
	EDC-S	**Low**	**9%**	1298	13970
	EDC-S	**Moderate**	**53%**	7355	13970
	EDC-S	**High**	**38%**	5317	13970
			100%	13970	
61					
	EDC-S	**Low**	**4%**	94	2570
	EDC-S	**Moderate**	**73%**	1872	2570
	EDC-S	**High**	**24%**	604	2570
			100%	2570	
62					
	EDC-S	**Low**	**84%**	2048	2438
	EDC-S	**High**	**16%**	390	2438
			100%	2438	
63					
	EDC-P	**Moderate**	**81%**	299	370
	EDC-P	**High**	**19%**	71	370
			100%	370	
	EDC-S	**Low**	**36%**	7639	20983
	EDC-S	**Moderate**	**51%**	10735	20983
	EDC-S	**High**	**12%**	2609	20983
			100%	20983	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
64					
	EDC-P	**Low**	**21%**	499	2329
	EDC-P	**Moderate**	**25%**	574	2329
	EDC-P	**High**	**54%**	1256	2329
			100%	2329	
	EDC-S	**Low**	**43%**	947	2227
	EDC-S	**Moderate**	**53%**	1185	2227
	EDC-S	**High**	**4%**	95	2227
			100%	2227	
65					
	EDC-P	**Low**	**35%**	299	843
	EDC-P	**Moderate**	**65%**	544	843
			100%	843	
	EDC-S	**Moderate**	**83%**	894	1079
	EDC-S	**High**	**17%**	186	1079
			100%	1079	
66					
	EDC-P	**Low**	**90%**	571	633
	EDC-P	**Moderate**	**2%**	15	633
	EDC-P	**High**	**7%**	47	633
			100%	633	
	EDC-S	**Low**	**22%**	500	2244
	EDC-S	**Moderate**	**39%**	868	2244
	EDC-S	**High**	**39%**	877	2244
			100%	2244	
67					
	CT-P	**Low**	**52%**	1497	2869
	CT-P	**Moderate**	**17%**	500	2869
	CT-P	**High**	**30%**	873	2869
			100%	2869	
	EDC-S	**Moderate**	**80%**	388	484
	EDC-S	**High**	**20%**	95	484
			100%	484	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
68					
	CT-P	**High**	**100%**	166	166
			100%	166	
	EDC-S	**Low**	**71%**	14930	20934
	EDC-S	**Moderate**	**3%**	631	20934
	EDC-S	**High**	**26%**	5372	20934
			100%	20934	
69					
	CT-P	**Low**	**0%**	4	1104
	CT-P	**High**	**100%**	1099	1104
			100%	1104	
	EDC-S	**Low**	**87%**	15605	18020
	EDC-S	**Moderate**	**11%**	1914	18020
	EDC-S	**High**	**3%**	501	18020
			100%	18020	
70					
	CT-P	**Low**	**8%**	88	1110
	CT-P	**High**	**92%**	1022	1110
			100%	1110	
	EDC-P	**Low**	**74%**	5018	6799
	EDC-P	**Moderate**	**24%**	1641	6799
	EDC-P	**High**	**2%**	139	6799
			100%	6799	
	EDC-S	**Low**	**30%**	6628	22211
	EDC-S	**Moderate**	**50%**	11094	22211
	EDC-S	**High**	**20%**	4489	22211
			100%	22211	
71					
	EDC-S	**Low**	**26%**	1718	6712
	EDC-S	**Moderate**	**60%**	4040	6712
	EDC-S	**High**	**14%**	954	6712
			100%	6712	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
72					
	EDC-S	**Low**	**45%**	9878	21869
	EDC-S	**Moderate**	**33%**	7269	21869
	EDC-S	**High**	**22%**	4722	21869
			100%	21869	
73					
	CT-P	**Low**	**0%**	3	3424
	CT-P	**High**	**100%**	3421	3424
			100%	3424	
	EDC-S	**Low**	**32%**	4415	13625
	EDC-S	**Moderate**	**50%**	6803	13625
	EDC-S	**High**	**18%**	2407	13625
			100%	13625	
74					
	EDC-P	**Low**	**100%**	41	41
			100%	41	
	EDC-S	**Low**	**50%**	20192	40107
	EDC-S	**Moderate**	**20%**	8035	40107
	EDC-S	**High**	**30%**	11880	40107
			100%	40107	
75					
	EDC-P	**Low**	**72%**	2979	4112
	EDC-P	**Moderate**	**26%**	1086	4112
	EDC-P	**High**	**1%**	47	4112
			100%	4112	
	EDC-S	**Low**	**22%**	523	2428
	EDC-S	**Moderate**	**40%**	981	2428
	EDC-S	**High**	**38%**	924	2428
			100%	2428	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
76					
	CT-P	**Low**	**86%**	11	13
	CT-P	**High**	**14%**	2	13
			100%	13	
	EDC-S	**Low**	**21%**	1256	6123
	EDC-S	**Moderate**	**65%**	3969	6123
	EDC-S	**High**	**15%**	898	6123
			100%	6123	
77					
	EDC-P	**Moderate**	**2%**	39	1970
	EDC-P	**High**	**98%**	1931	1970
			100%	1970	
	EDC-S	**Low**	**2%**	167	8599
	EDC-S	**Moderate**	**74%**	6359	8599
	EDC-S	**High**	**24%**	2074	8599
			100%	8599	
78					
	EDC-S	**Low**	**35%**	5903	16912
	EDC-S	**Moderate**	**36%**	6143	16912
	EDC-S	**High**	**29%**	4866	16912
			100%	16912	
79					
	EDC-S	**Low**	**57%**	4971	8765
	EDC-S	**Moderate**	**19%**	1624	8765
	EDC-S	**High**	**25%**	2169	8765
			100%	8765	
80					
	EDC-S	**Low**	**60%**	2176	3606
	EDC-S	**Moderate**	**12%**	436	3606
	EDC-S	**High**	**28%**	994	3606
			100%	3606	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
81					
	CT-P	**Moderate**	**56%**	84	150
	CT-P	**High**	**44%**	66	150
			100%	150	
	EDC-S	**Low**	**8%**	921	11398
	EDC-S	**Moderate**	**48%**	5417	11398
	EDC-S	**High**	**44%**	5059	11398
			100%	11398	
82					
	EDC-S	**Low**	**13%**	344	2656
	EDC-S	**Moderate**	**76%**	2006	2656
	EDC-S	**High**	**11%**	305	2656
			100%	2656	
83					
	EDC-S	**Low**	**43%**	20378	47462
	EDC-S	**Moderate**	**40%**	19098	47462
	EDC-S	**High**	**17%**	7985	47462
			100%	47462	
84					
	EDC-S	**Low**	**52%**	13208	25228
	EDC-S	**Moderate**	**23%**	5727	25228
	EDC-S	**High**	**25%**	6293	25228
			100%	25228	
85					
	CT-P	**Low**	**100%**	203	203
			100%	203	
	EDC-S	**Low**	**89%**	7220	8126
	EDC-S	**Moderate**	**6%**	500	8126
	EDC-S	**High**	**5%**	406	8126
			100%	8126	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
86					
	CT-P	**Low**	**6%**	188	3062
	CT-P	**High**	**94%**	2874	3062
			100%	3062	
	EDC-S	**Low**	**12%**	2125	17876
	EDC-S	**Moderate**	**23%**	4103	17876
	EDC-S	**High**	**65%**	11649	17876
			100%	17876	
87					
	CT-P	**Low**	**96%**	5012	5211
	CT-P	**Moderate**	**4%**	200	5211
			100%	5211	
	EDC-S	**Low**	**84%**	7239	8590
	EDC-S	**Moderate**	**9%**	751	8590
	EDC-S	**High**	**7%**	600	8590
			100%	8590	
88					
	CT-P	**Low**	**40%**	2340	5819
	CT-P	**Moderate**	**41%**	2406	5819
	CT-P	**High**	**18%**	1073	5819
			100%	5819	
	EDC-S	**Low**	**92%**	2952	3199
	EDC-S	**Moderate**	**6%**	201	3199
	EDC-S	**High**	**1%**	47	3199
			100%	3199	

UPC		Road Risk	%	Sum of Road Risk Length	Sum of roads within
89					
	CT-P		**2%**	199	9531
	CT-P	**Low**	**79%**	7529	9531
	CT-P	**Moderate**	**1%**	130	9531
	CT-P	**High**	**18%**	1673	9531
			100%	9531	
	EDC-S		**1%**	228	18097
	EDC-S	**Low**	**73%**	13187	18097
	EDC-S	**Moderate**	**3%**	452	18097
	EDC-S	**High**	**23%**	4230	18097
			100%	18097	
90					
	EDC-S	**Low**	**2%**	66	3261
	EDC-S	**High**	**98%**	3196	3261
			100%	3261	
91					
	EDC-S	**Low**	**60%**	2363	3948
	EDC-S	**Moderate**	**40%**	1585	3948
			100%	3948	
92					
	EDC-S		**3%**	726	24863
	EDC-S	**Low**	**37%**	9263	24863
	EDC-S	**Moderate**	**22%**	5409	24863
	EDC-S	**High**	**38%**	9464	24863
			100%	24863	
93					
	EDC-S		**1%**	361	30630
	EDC-S	**Low**	**57%**	17532	30630
	EDC-S	**Moderate**	**21%**	6564	30630
	EDC-S	**High**	**20%**	6172	30630
			100%	30630	

Planning Catchment: PLRM Input

Pre 2004 Baseline

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	1	EDC-S				
			Erodible	38%	16639	43794
			Protected	6%	2436	43794
			Stable	11%	4880	43794
			Stable & Protected	45%	19839	43794
				100%	43794	
RW	2	CT-P				
			Erodible	45%	810	1811
			Stable	55%	1001	1811
				100%	1811	
RW	2	EDC-S				
			Erodible	58%	9370	16267
			Stable	15%	2479	16267
			Stable & Protected	27%	4417	16267
				100%	16267	
RW	3	CT-P				
			Erodible	39%	863	2205
			Stable	61%	1342	2205
				100%	2205	
RW	3	EDC-S				
			Erodible	56%	37554	67600
			Protected	3%	2139	67600
			Stable	7%	4597	67600
			Stable & Protected	34%	23310	67600
				100%	67600	
RW	4	CT-P				
			Erodible	16%	341	2136
			Stable	84%	1796	2136
				100%	2136	
RW	4	EDC-S				
			Erodible	0%	21	10923
			Protected	6%	649	10923
			Stable	0%	11	10923
			Stable & Protected	94%	10241	10923
				100%	10923	
RW	5	CT-P				
			Stable	100%	300	300
				100%	300	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	6	CT-P				
			Erodible	67%	3256	4843
			Stable	33%	1587	4843
				100%	4843	
RW	6	EDC-S				
			Stable & Protected	100%	2518	2518
				100%	2518	
RW	7	CT-P				
			Erodible	100%	1640	1640
				100%	1640	
RW	7	EDC-S				
			Stable & Protected	100%	8452	8452
				100%	8452	
RW	8	CT-P				
			Erodible	48%	969	2017
			Stable	50%	1016	2017
			Stable & Protected	2%	32	2017
				100%	2017	
RW	8	EDC-S				
			Erodible	25%	2903	11515
			Protected	1%	135	11515
			Stable & Protected	74%	8477	11515
				100%	11515	
RW	9	EDC-S				
			Stable & Protected	100%	904	904
				100%	904	
RW	10	CT-P				
			Erodible	25%	942	3700
			Protected	24%	888	3700
			Stable	13%	481	3700
			Stable & Protected	38%	1390	3700
				100%	3700	
RW	10	EDC-S				
			Stable & Protected	100%	4526	4526
				100%	4526	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	11	CT-P				
			Erodible	29%	1812	6295
			Protected	8%	488	6295
			Stable	33%	2048	6295
			Stable & Protected	31%	1947	6295
				100%	6295	
RW	11	EDC-S				
			Erodible	16%	2147	13122
			Protected	17%	2202	13122
			Stable & Protected	67%	8773	13122
				100%	13122	
RW	12	CT-P				
			Stable & Protected	100%	1987	1987
				100%	1987	
RW	12	EDC-S				
			Erodible	22%	1226	5559
			Stable	3%	151	5559
			Stable & Protected	75%	4182	5559
				100%	5559	
RW	13	CT-P				
			Erodible	30%	308	1010
			Stable & Protected	70%	702	1010
				100%	1010	
RW	13	EDC-S				
			Erodible	1%	31	3057
			Stable	28%	842	3057
			Stable & Protected	71%	2185	3057
				100%	3057	
RW	14	CT-P				
			Erodible	30%	956	3171
			Stable	32%	1027	3171
			Stable & Protected	37%	1188	3171
				100%	3171	
RW	14	EDC-S				
			Erodible	28%	8840	31816
			Protected	3%	806	31816
			Stable	0%	149	31816
			Stable & Protected	69%	22022	31816
				100%	31816	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	15	CT-P				
			Stable & Protected	100%	775	775
				100%	775	
RW	15	EDC-S				
			Erodible	18%	953	5410
			Stable & Protected	82%	4457	5410
				100%	5410	
RW	16	CT-P				
			Stable & Protected	100%	1380	1380
				100%	1380	
RW	16	EDC-S				
			Protected	15%	1202	8244
			Stable & Protected	85%	7042	8244
				100%	8244	
RW	17	CT-P				
			Stable & Protected	100%	1315	1315
				100%	1315	
RW	17	EDC-S				
			Erodible	11%	1009	8790
			Protected	61%	5344	8790
			Stable & Protected	28%	2438	8790
				100%	8790	
RW	19	EDC-S				
			Stable & Protected	100%	23	23
				100%	23	
RW	21	EDC-S				
			Stable & Protected	100%	107	107
				100%	107	
RW	22	EDC-S				
			Erodible	17%	1671	9970
			Protected	5%	502	9970
			Stable	5%	450	9970
			Stable & Protected	74%	7347	9970
				100%	9970	
RW	23	EDC-P				
			Erodible	53%	246	461
			Stable & Protected	47%	214	461
				100%	461	
RW	23	EDC-S				
			Erodible	49%	1075	2191
			Protected	27%	595	2191
			Stable & Protected	24%	521	2191
				100%	2191	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	24	EDC-S				
			Erodible	13%	1338	10400
			Stable	26%	2679	10400
			Stable & Protected	61%	6383	10400
				100%	10400	
RW	25	EDC-P				
			Erodible	52%	771	1484
			Protected	48%	714	1484
				100%	1484	
RW	25	EDC-S				
			Erodible	18%	439	2489
			Stable	29%	720	2489
			Stable & Protected	53%	1330	2489
				100%	2489	
RW	26	EDC-P				
			Erodible	46%	1977	4308
			Protected	54%	2331	4308
				100%	4308	
RW	26	EDC-S				
			Erodible	19%	2869	14980
			Protected	8%	1126	14980
			Stable	17%	2475	14980
			Stable & Protected	57%	8509	14980
				100%	14980	
RW	27	EDC-P				
			Erodible	20%	691	3523
			Protected	7%	230	3523
			Stable & Protected	74%	2603	3523
				100%	3523	
RW	28	EDC-P				
			Erodible	82%	2228	2711
			Protected	18%	483	2711
				100%	2711	
RW	28	EDC-S				
			Erodible	100%	393	393
				100%	393	
DK	29	EDC-S				
			Erodible	86%	5444	6350
			Stable & Protected	14%	905	6350
				100%	6350	
DK	30	EDC-S				
			Stable & Protected	100%	1709	1709
				100%	1709	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	31	EDC-S				
			Erodible	72%	5819	8051
			Stable & Protected	28%	2232	8051
				100%	8051	
DK	32	EDC-S				
			Erodible	55%	3617	6620
			Stable & Protected	45%	3003	6620
				100%	6620	
DK	33	EDC-S				
			Erodible	82%	6433	7890
			Stable & Protected	18%	1457	7890
				100%	7890	
DK	34	EDC-S				
			Erodible	63%	4371	6938
			Stable & Protected	37%	2567	6938
				100%	6938	
DK	35	EDC-P				
			Stable & Protected	100%	1736	1736
				100%	1736	
DK	36	EDC-P				
			Erodible	11%	201	1896
			Stable & Protected	89%	1695	1896
				100%	1896	
DK	37	EDC-S				
			Stable & Protected	100%	1274	1274
				100%	1274	
DK	38	EDC-S				
			Erodible	23%	3311	14361
			Stable	9%	1238	14361
			Stable & Protected	68%	9813	14361
				100%	14361	
DK	39	EDC-S				
			Erodible	49%	2988	6043
			Protected	4%	233	6043
			Stable	25%	1500	6043
			Stable & Protected	22%	1322	6043
				100%	6043	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	40	EDC-P				
			Stable & Protected	100%	1683	1683
				100%	1683	
DK	40	EDC-S				
			Erodible	41%	7023	17174
			Protected	1%	228	17174
			Stable	21%	3685	17174
			Stable & Protected	36%	6237	17174
				100%	17174	
DK	41	EDC-S				
			Stable	8%	680	8169
			Stable & Protected	92%	7488	8169
				100%	8169	
DK	42	EDC-S				
			Stable	19%	3118	16271
			Stable & Protected	81%	13153	16271
				100%	16271	
DK	43	EDC-S				
			Stable & Protected	100%	3809	3809
				100%	3809	
DK	44	EDC-P				
			Erodible	8%	299	3707
			Stable & Protected	92%	3408	3707
				100%	3707	
DK	44	EDC-S				
			Stable	10%	2622	26843
			Stable & Protected	90%	24221	26843
				100%	26843	
DK	45	EDC-S				
			Stable & Protected	100%	2164	2164
				100%	2164	
DK	46	EDC-S				
			Stable & Protected	100%	5289	5289
				100%	5289	
DK	47	EDC-S				
			Stable & Protected	100%	2837	2837
				100%	2837	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	48	EDC-P				
			Erodible	11%	417	3823
			Stable	29%	1096	3823
			Stable & Protected	60%	2309	3823
				100%	3823	
DK	48	EDC-S				
			Stable	76%	1571	2068
			Stable & Protected	24%	497	2068
				100%	2068	
DK	49	EDC-S				
			Stable	23%	868	3754
			Stable & Protected	77%	2886	3754
				100%	3754	
DK	50	EDC-S				
			Stable	8%	1682	20853
			Stable & Protected	92%	19171	20853
				100%	20853	
DK	51	EDC-S				
			Stable & Protected	100%	3196	3196
				100%	3196	
DK	52	EDC-S				
			Stable & Protected	100%	6800	6800
				100%	6800	
DK	53	EDC-P				
			Erodible	67%	10377	15495
			Stable	16%	2499	15495
			Stable & Protected	17%	2619	15495
				100%	15495	
DK	53	EDC-S				
			Stable & Protected	100%	7	7
				100%	7	
DK	54	EDC-P				
			Erodible	16%	414	2645
			Stable & Protected	84%	2230	2645
				100%	2645	
DK	54	EDC-S				
			Erodible	94%	117	125
			Stable & Protected	6%	8	125
				100%	125	
SK	55	EDC-S				
			Erodible	100%	2963	2963
				100%	2963	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	56	EDC-S				
			Erodible	78%	845	1088
			Stable & Protected	22%	243	1088
				100%	1088	
SK	57	EDC-S				
			Erodible	86%	1193	1389
			Stable & Protected	14%	197	1389
				100%	1389	
SK	58	EDC-S				
			Erodible	49%	2200	4468
			Protected	8%	368	4468
			Stable	18%	823	4468
			Stable & Protected	24%	1077	4468
				100%	4468	
SK	59	EDC-S				
			Erodible	64%	6184	9706
			Protected	3%	269	9706
			Stable	16%	1517	9706
			Stable & Protected	18%	1736	9706
				100%	9706	
SK	60	EDC-P				
			Erodible	100%	1177	1182
			Stable & Protected	0%	6	1182
				100%	1182	
SK	60	EDC-S				
			Erodible	52%	13190	25173
			Protected	3%	739	25173
			Stable	35%	8852	25173
			Stable & Protected	10%	2393	25173
				100%	25173	
SK	61	EDC-S				
			Erodible	73%	3550	4894
			Stable	27%	1344	4894
				100%	4894	
SK	62	EDC-S				
			Erodible	89%	4006	4513
			Stable	5%	244	4513
			Stable & Protected	6%	263	4513
				100%	4513	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	63	EDC-P				
			Erodible	100%	1341	1341
				100%	1341	
SK	63	EDC-S				
			Erodible	55%	20422	37427
			Protected	3%	1027	37427
			Stable	24%	9007	37427
			Stable & Protected	19%	6970	37427
				100%	37427	
SK	64	EDC-P				
			Erodible	14%	696	4804
			Stable	11%	548	4804
			Stable & Protected	74%	3561	4804
				100%	4804	
SK	64	EDC-S				
			Erodible	75%	2411	3221
			Stable	21%	661	3221
			Stable & Protected	5%	148	3221
				100%	3221	
SK	65	EDC-P				
			Stable	80%	741	921
			Stable & Protected	20%	180	921
				100%	921	
SK	65	EDC-S				
			Erodible	72%	999	1384
			Stable	12%	163	1384
			Stable & Protected	16%	223	1384
				100%	1384	
SK	66	EDC-P				
			Erodible	2%	16	781
			Stable	66%	519	781
			Stable & Protected	32%	246	781
				100%	781	
SK	66	EDC-S				
			Erodible	13%	661	5054
			Stable & Protected	87%	4393	5054
				100%	5054	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
x	67	CT-P				
			Erodible	46%	3312	7132
			Stable	5%	368	7132
			Stable & Protected	48%	3452	7132
				100%	7132	
x	67	EDC-S				
			Erodible	24%	381	1610
			Stable	52%	845	1610
			Stable & Protected	24%	385	1610
				100%	1610	
SK	68	CT-P				
			Erodible	5%	105	2101
			Stable	95%	1996	2101
				100%	2101	
SK	68	EDC-S				
			Erodible	67%	26104	39242
			Stable	12%	4701	39242
			Stable & Protected	22%	8437	39242
				100%	39242	
SK	69	CT-P				
			Erodible	100%	1148	1148
				100%	1148	
SK	69	EDC-S				
			Erodible	56%	19699	34873
			Protected	2%	528	34873
			Stable	9%	3111	34873
			Stable & Protected	33%	11535	34873
				100%	34873	
SK	70	CT-P				
			Erodible	33%	660	1986
			Stable	67%	1327	1986
				100%	1986	
SK	70	EDC-P				
			Erodible	6%	645	11569
			Stable	0%	6	11569
			Stable & Protected	94%	10918	11569
				100%	11569	
SK	70	EDC-S				
			Erodible	21%	8754	42503
			Protected	1%	252	42503
			Stable	32%	13796	42503
			Stable & Protected	46%	19701	42503
				100%	42503	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	71	EDC-S				
			Erodible	16%	1997	12805
			Protected	5%	578	12805
			Stable	51%	6478	12805
			Stable & Protected	29%	3752	12805
				100%	12805	
SK	72	EDC-S				
			Erodible	17%	6298	36741
			Protected	4%	1568	36741
			Stable	25%	9362	36741
			Stable & Protected	53%	19514	36741
				100%	36741	
SK	73	CT-P				
			Erodible	0%	6	3288
			Stable	58%	1908	3288
			Stable & Protected	42%	1374	3288
				100%	3288	
SK	73	EDC-S				
			Erodible	9%	2319	26377
			Protected	2%	484	26377
			Stable	29%	7712	26377
			Stable & Protected	60%	15862	26377
				100%	26377	
SK	74	EDC-P				
			Erodible	11%	91	803
			Stable & Protected	89%	712	803
				100%	803	
SK	74	EDC-S				
			Erodible	39%	30063	76977
			Protected	2%	1774	76977
			Stable	31%	23569	76977
			Stable & Protected	28%	21571	76977
				100%	76977	
SK	75	EDC-P				
			Erodible	8%	344	4460
			Stable	1%	40	4460
			Stable & Protected	91%	4076	4460
				100%	4460	
SK	75	EDC-S				
			Erodible	7%	347	4907
			Stable	78%	3809	4907
			Stable & Protected	15%	751	4907
				100%	4907	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	76	EDC-S				
			Erodible	87%	9671	11168
			Stable	7%	816	11168
			Stable & Protected	6%	681	11168
				100%	11168	
BF	77	EDC-P				
			Erodible	66%	2864	4368
			Stable & Protected	34%	1504	4368
				100%	4368	
BF	77	EDC-S				
			Erodible	55%	8557	15589
			Stable & Protected	45%	7032	15589
				100%	15589	
BF	78	EDC-P				
			Erodible	100%	6	6
				100%	6	
BF	78	EDC-S				
			Erodible	23%	7774	33524
			Protected	2%	645	33524
			Stable	4%	1427	33524
			Stable & Protected	71%	23678	33524
				100%	33524	
BF	79	EDC-S				
			Erodible	53%	7782	14760
			Stable	20%	2930	14760
			Stable & Protected	27%	4048	14760
				100%	14760	
BF	80	EDC-S				
			Erodible	52%	3601	6889
			Stable	15%	1013	6889
			Stable & Protected	33%	2275	6889
				100%	6889	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	81	CT-P				
				97%	1725	1779
			Erodible	1%	23	1779
			Stable & Protected	2%	31	1779
				100%	1779	
BF	81	EDC-S				
				0%	9	23166
			Erodible	57%	13312	23166
			Protected	12%	2671	23166
			Stable	7%	1674	23166
			Stable & Protected	24%	5500	23166
				100%	23166	
BF	82	EDC-S				
			Erodible	60%	21764	36340
			Protected	14%	4919	36340
			Stable	8%	2957	36340
			Stable & Protected	18%	6700	36340
				100%	36340	
BF	83	EDC-S				
			Erodible	74%	67745	91160
			Protected	7%	6417	91160
			Stable	7%	6724	91160
			Stable & Protected	11%	10275	91160
				100%	91160	
BF	84	EDC-S				
			Erodible	54%	25141	46692
			Protected	5%	2487	46692
			Stable	10%	4714	46692
			Stable & Protected	31%	14350	46692
				100%	46692	
BF	85	CT-P				
				38%	891	2313
			Erodible	62%	1423	2313
				100%	2313	
BF	85	EDC-S				
			Erodible	87%	14232	16403
			Stable	4%	611	16403
			Stable & Protected	10%	1560	16403
				100%	16403	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	86	CT-P				
			Erodible	48%	2398	5006
			Stable	35%	1770	5006
			Stable & Protected	17%	838	5006
				100%	5006	
BF	86	EDC-S				
			Erodible	22%	7318	33559
			Stable	19%	6252	33559
			Stable & Protected	60%	19990	33559
				100%	33559	
BF	87	CT-P				
				76%	10283	13454
			Erodible	4%	563	13454
			Stable	5%	720	13454
			Stable & Protected	14%	1888	13454
				100%	13454	
BF	87	EDC-S				
			Erodible	73%	11410	15730
			Stable	6%	883	15730
			Stable & Protected	22%	3437	15730
				100%	15730	
BF	88	CT-P				
				90%	11558	12863
			Erodible	10%	1304	12863
				100%	12863	
BF	88	EDC-S				
			Erodible	44%	2636	5980
			Protected	2%	141	5980
			Stable	11%	669	5980
			Stable & Protected	42%	2534	5980
				100%	5980	
BF	89	CT-P				
				87%	14452	16539
			Erodible	10%	1702	16539
			Protected	0%	76	16539
			Stable & Protected	2%	309	16539
				100%	16539	
BF	89	EDC-S				
			Erodible	82%	26298	32216
			Protected	2%	520	32216
			Stable	6%	1999	32216
			Stable & Protected	11%	3399	32216
				100%	32216	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	90	EDC-S				
				5%	62	1262
			Erodible	16%	196	1262
			Protected	19%	240	1262
			Stable	49%	620	1262
			Stable & Protected	11%	144	1262
				100%	1262	
BF	91	EDC-S				
			Erodible	53%	3266	6176
			Stable & Protected	47%	2910	6176
				100%	6176	
BF	92	EDC-S				
			Erodible	65%	18252	28281
			Protected	2%	618	28281
			Stable	19%	5322	28281
			Stable & Protected	14%	4089	28281
				100%	28281	
BF	93	EDC-S				
			Erodible	91%	1305	1427
			Stable & Protected	9%	122	1427
				100%	1427	
BF	94	EDC-S				
			Erodible	28%	6490	22952
			Stable	11%	2483	22952
			Stable & Protected	61%	13979	22952
				100%	22952	
BF	95	EDC-S				
			Erodible	76%	8097	10692
			Stable	17%	1857	10692
			Stable & Protected	7%	738	10692
				100%	10692	

Planning Catchment: PLRM Input

Pre 2004 Baseline

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	1	EDC-S				
			DCIA	74%	32603	43794
			ICIA	26%	11191	43794
				100%	43794	
RW	2	CT-P				
			DCIA	45%	810	1811
			ICIA	55%	1001	1811
				100%	1811	
RW	2	EDC-S				
			DCIA	89%	14509	16267
			ICIA	11%	1758	16267
				100%	16267	
RW	3	CT-P				
			DCIA	39%	863	2205
			ICIA	61%	1342	2205
				100%	2205	
RW	3	EDC-S				
			DCIA	86%	57955	67600
			ICIA	14%	9645	67600
				100%	67600	
RW	4	CT-P				
			DCIA	50%	1060	2136
			ICIA	50%	1076	2136
				100%	2136	
RW	4	EDC-S				
			DCIA	71%	7801	10923
			ICIA	29%	3122	10923
				100%	10923	
RW	5	CT-P				
			DCIA	21%	62	300
			ICIA	79%	238	300
				100%	300	
RW	6	CT-P				
			DCIA	45%	2187	4843
			ICIA	55%	2655	4843
				100%	4843	
RW	6	EDC-S				
			DCIA	35%	891	2518
			ICIA	65%	1628	2518
				100%	2518	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	7	CT-P				
			DCIA	100%	1640	1640
				100%	1640	
RW	7	EDC-S				
			DCIA	56%	4725	8452
			ICIA	44%	3727	8452
				100%	8452	
RW	8	CT-P				
			DCIA	48%	969	2017
			ICIA	52%	1048	2017
				100%	2017	
RW	8	EDC-S				
			DCIA	69%	7969	11515
			ICIA	31%	3545	11515
				100%	11515	
RW	9	EDC-S				
			DCIA	43%	385	904
			ICIA	57%	518	904
				100%	904	
RW	10	CT-P				
			DCIA	55%	2026	3700
			ICIA	45%	1675	3700
				100%	3700	
RW	10	EDC-S				
			DCIA	71%	3210	4526
			ICIA	29%	1316	4526
				100%	4526	
RW	11	CT-P				
			DCIA	67%	4248	6295
			ICIA	33%	2048	6295
				100%	6295	
RW	11	EDC-S				
			DCIA	70%	9120	13122
			ICIA	30%	4001	13122
				100%	13122	
RW	12	CT-P				
			DCIA	61%	1215	1987
			ICIA	39%	772	1987
				100%	1987	
RW	12	EDC-S				
			DCIA	67%	3743	5559
			ICIA	33%	1815	5559
				100%	5559	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	13	CT-P				
			DCIA	70%	702	1010
			ICIA	30%	308	1010
				100%	1010	
RW	13	EDC-S				
			DCIA	61%	1853	3057
			ICIA	39%	1204	3057
				100%	3057	
RW	14	CT-P				
			DCIA	56%	1766	3171
			ICIA	44%	1405	3171
				100%	3171	
RW	14	EDC-S				
			DCIA	83%	26348	31816
			ICIA	17%	5469	31816
				100%	31816	
RW	15	CT-P				
			DCIA	100%	775	775
				100%	775	
RW	15	EDC-S				
			DCIA	65%	3537	5410
			ICIA	35%	1873	5410
				100%	5410	
RW	16	CT-P				
			DCIA	100%	1380	1380
				100%	1380	
RW	16	EDC-S				
			DCIA	65%	5370	8244
			ICIA	35%	2875	8244
				100%	8244	
RW	17	CT-P				
			ICIA	100%	1315	1315
				100%	1315	
RW	17	EDC-S				
			DCIA	83%	7312	8790
			ICIA	17%	1478	8790
				100%	8790	
RW	19	EDC-S				
			ICIA	100%	23	23
				100%	23	
RW	21	EDC-S				
			ICIA	100%	107	107
				100%	107	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
RW	22	EDC-S				
			DCIA	27%	2703	9970
			ICIA	73%	7267	9970
				100%	9970	
RW	23	EDC-P				
			DCIA	100%	461	461
				100%	461	
RW	23	EDC-S				
			DCIA	67%	1477	2191
			ICIA	33%	714	2191
				100%	2191	
RW	24	EDC-S				
			DCIA	58%	6047	10400
			ICIA	42%	4352	10400
				100%	10400	
RW	25	EDC-P				
			DCIA	100%	1484	1484
				100%	1484	
RW	25	EDC-S				
			DCIA	64%	1604	2489
			ICIA	36%	885	2489
				100%	2489	
RW	26	EDC-P				
			DCIA	92%	3980	4308
			ICIA	8%	328	4308
				100%	4308	
RW	26	EDC-S				
			DCIA	50%	7544	14980
			ICIA	50%	7435	14980
				100%	14980	
RW	27	EDC-P				
			DCIA	74%	2603	3523
			ICIA	26%	920	3523
				100%	3523	
RW	28	EDC-P				
			ICIA	100%	2711	2711
				100%	2711	
RW	28	EDC-S				
			ICIA	100%	393	393
				100%	393	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	29	EDC-S				
			DCIA	87%	5500	6350
			ICIA	13%	850	6350
				100%	6350	
DK	30	EDC-S				
			DCIA	100%	1709	1709
				100%	1709	
DK	31	EDC-S				
			DCIA	73%	5907	8051
			ICIA	27%	2144	8051
				100%	8051	
DK	32	EDC-S				
			DCIA	100%	6620	6620
				100%	6620	
DK	33	EDC-S				
			DCIA	43%	3378	7890
			ICIA	57%	4511	7890
				100%	7890	
DK	34	EDC-S				
			DCIA	28%	1938	6938
			ICIA	72%	5000	6938
				100%	6938	
DK	35	EDC-P				
			DCIA	100%	1736	1736
				100%	1736	
DK	36	EDC-P				
			DCIA	100%	1896	1896
				100%	1896	
DK	37	EDC-S				
			DCIA	100%	1274	1274
				100%	1274	
DK	38	EDC-S				
			DCIA	89%	12792	14361
			ICIA	11%	1569	14361
				100%	14361	
DK	39	EDC-S				
			DCIA	95%	5766	6043
			ICIA	5%	277	6043
				100%	6043	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	40	EDC-P				
			DCIA	100%	1683	1683
				100%	1683	
DK	40	EDC-S				
			DCIA	91%	15626	17174
			ICIA	9%	1548	17174
				100%	17174	
DK	41	EDC-S				
			DCIA	100%	8169	8169
				100%	8169	
DK	42	EDC-S				
			DCIA	100%	16271	16271
				100%	16271	
DK	43	EDC-S				
			DCIA	100%	3809	3809
				100%	3809	
DK	44	EDC-P				
			DCIA	100%	3707	3707
				100%	3707	
DK	44	EDC-S				
			DCIA	100%	26843	26843
				100%	26843	
DK	45	EDC-S				
			DCIA	100%	2164	2164
				100%	2164	
DK	46	EDC-S				
			DCIA	100%	5289	5289
				100%	5289	
DK	47	EDC-S				
			DCIA	100%	2837	2837
				100%	2837	
DK	48	EDC-P				
			DCIA	64%	2436	3823
			ICIA	36%	1387	3823
				100%	3823	
DK	48	EDC-S				
			DCIA	100%	2068	2068
				100%	2068	
DK	49	EDC-S				
			DCIA	100%	3754	3754
				100%	3754	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
DK	50	EDC-S				
			DCIA	100%	20853	20853
				100%	20853	
DK	51	EDC-S				
			DCIA	100%	3196	3196
				100%	3196	
DK	52	EDC-S				
			DCIA	100%	6800	6800
				100%	6800	
DK	53	EDC-P				
			DCIA	31%	4869	15495
			ICIA	69%	10626	15495
				100%	15495	
DK	53	EDC-S				
			DCIA	100%	7	7
				100%	7	
DK	54	EDC-P				
			DCIA	100%	2645	2645
				100%	2645	
DK	54	EDC-S				
			DCIA	100%	125	125
				100%	125	
SK	55	EDC-S				
			DCIA	50%	1491	2963
			ICIA	50%	1472	2963
				100%	2963	
SK	56	EDC-S				
			DCIA	62%	677	1088
			ICIA	38%	412	1088
				100%	1088	
SK	57	EDC-S				
			DCIA	52%	721	1389
			ICIA	48%	668	1389
				100%	1389	
SK	58	EDC-S				
			DCIA	66%	2934	4468
			ICIA	34%	1534	4468
				100%	4468	
SK	59	EDC-S				
			DCIA	53%	5127	9706
			ICIA	47%	4578	9706
				100%	9706	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	60	EDC-P				
			DCIA	29%	348	1182
			ICIA	71%	834	1182
				100%	1182	
SK	60	EDC-S				
			DCIA	76%	19108	25173
			ICIA	24%	6065	25173
				100%	25173	
SK	61	EDC-S				
			DCIA	83%	4054	4894
			ICIA	17%	840	4894
				100%	4894	
SK	62	EDC-S				
			DCIA	90%	4074	4513
			ICIA	10%	439	4513
				100%	4513	
SK	63	EDC-P				
			DCIA	100%	1341	1341
				100%	1341	
SK	63	EDC-S				
			DCIA	67%	25218	37427
			ICIA	33%	12209	37427
				100%	37427	
SK	64	EDC-P				
			DCIA	100%	4804	4804
				100%	4804	
SK	64	EDC-S				
			DCIA	74%	2399	3221
			ICIA	26%	821	3221
				100%	3221	
SK	65	EDC-P				
			DCIA	100%	921	921
				100%	921	
SK	65	EDC-S				
			DCIA	67%	931	1384
			ICIA	33%	453	1384
				100%	1384	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	66	EDC-P				
			DCIA	98%	765	781
			ICIA	2%	16	781
				100%	781	
SK	66	EDC-S				
			DCIA	93%	4681	5054
			ICIA	7%	372	5054
				100%	5054	
x	67	CT-P				
			DCIA	46%	3266	7132
			ICIA	54%	3867	7132
				100%	7132	
x	67	EDC-S				
			DCIA	8%	137	1610
			ICIA	92%	1474	1610
				100%	1610	
SK	68	CT-P				
			ICIA	100%	2101	2101
				100%	2101	
SK	68	EDC-S				
			DCIA	13%	5173	39242
			ICIA	87%	34069	39242
				100%	39242	
SK	69	CT-P				
			ICIA	100%	1148	1148
				100%	1148	
SK	69	EDC-S				
			DCIA	15%	5292	34873
			ICIA	85%	29581	34873
				100%	34873	
SK	70	CT-P				
			DCIA	53%	1053	1986
			ICIA	47%	934	1986
				100%	1986	
SK	70	EDC-P				
			DCIA	100%	11563	11569
			ICIA	0%	6	11569
				100%	11569	
SK	70	EDC-S				
			DCIA	66%	28017	42503
			ICIA	34%	14486	42503
				100%	42503	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
SK	71	EDC-S				
			DCIA	57%	7271	12805
			ICIA	43%	5534	12805
				100%	12805	
SK	72	EDC-S				
			DCIA	60%	22209	36741
			ICIA	40%	14532	36741
				100%	36741	
SK	73	CT-P				
			DCIA	100%	3288	3288
				100%	3288	
SK	73	EDC-S				
			DCIA	71%	18598	26377
			ICIA	29%	7779	26377
				100%	26377	
SK	74	EDC-P				
			DCIA	89%	712	803
			ICIA	11%	91	803
				100%	803	
SK	74	EDC-S				
			DCIA	48%	37325	76977
			ICIA	52%	39652	76977
				100%	76977	
SK	75	EDC-P				
			DCIA	92%	4122	4460
			ICIA	8%	338	4460
				100%	4460	
SK	75	EDC-S				
			DCIA	79%	3862	4907
			ICIA	21%	1045	4907
				100%	4907	
BF	76	EDC-S				
			DCIA	50%	5552	11168
			ICIA	50%	5615	11168
				100%	11168	
BF	77	EDC-P				
			DCIA	100%	4368	4368
				100%	4368	
BF	77	EDC-S				
			DCIA	53%	8245	15589
			ICIA	47%	7343	15589
				100%	15589	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	78	EDC-P				
			ICIA	100%	6	6
				100%	6	
BF	78	EDC-S				
			DCIA	60%	20220	33524
			ICIA	40%	13304	33524
				100%	33524	
BF	79	EDC-S				
			DCIA	62%	9189	14760
			ICIA	38%	5570	14760
				100%	14760	
BF	80	EDC-S				
			DCIA	59%	4095	6889
			ICIA	41%	2794	6889
				100%	6889	
BF	81	CT-P				
				97%	1725	1779
			DCIA	3%	55	1779
				100%	1779	
BF	81	EDC-S				
				0%	9	23166
			DCIA	52%	12118	23166
			ICIA	48%	11038	23166
				100%	23166	
BF	82	EDC-S				
			DCIA	30%	10869	36340
			ICIA	70%	25471	36340
				100%	36340	
BF	83	EDC-S				
			DCIA	37%	34088	91160
			ICIA	63%	57072	91160
				100%	91160	
BF	84	EDC-S				
			DCIA	56%	26209	46692
			ICIA	44%	20483	46692
				100%	46692	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	85	CT-P				
				38%	891	2313
			DCIA	3%	63	2313
			ICIA	59%	1360	2313
				100%	2313	
BF	85	EDC-S				
			DCIA	12%	2019	16403
			ICIA	88%	14383	16403
				100%	16403	
BF	86	CT-P				
			DCIA	48%	2419	5006
			ICIA	52%	2587	5006
				100%	5006	
BF	86	EDC-S				
			DCIA	77%	25962	33559
			ICIA	23%	7597	33559
				100%	33559	
BF	87	CT-P				
				76%	10283	13454
			DCIA	8%	1100	13454
			ICIA	15%	2070	13454
				100%	13454	
BF	87	EDC-S				
			DCIA	20%	3173	15730
			ICIA	80%	12557	15730
				100%	15730	
BF	88	CT-P				
				90%	11558	12863
			DCIA	4%	549	12863
			ICIA	6%	756	12863
				100%	12863	
BF	88	EDC-S				
			DCIA	67%	4015	5980
			ICIA	33%	1965	5980
				100%	5980	

	UPC:	Jurisdiction Risk	Condition:	% of Total Length	Total Length of Condition	Total Length of Shoulder
BF	89	CT-P				
				87%	14452	16539
			DCIA	6%	1042	16539
			ICIA	6%	1044	16539
				100%	16539	
BF	89	EDC-S				
			DCIA	28%	9002	32216
			ICIA	72%	23214	32216
				100%	32216	
BF	90	EDC-S				
				5%	62	1262
			DCIA	75%	953	1262
			ICIA	20%	247	1262
				100%	1262	
BF	91	EDC-S				
			DCIA	2%	111	6176
			ICIA	98%	6065	6176
				100%	6176	
BF	92	EDC-S				
			DCIA	7%	1877	28281
			ICIA	93%	26404	28281
				100%	28281	
BF	93	EDC-S				
			ICIA	100%	1427	1427
				100%	1427	
BF	94	EDC-S				
			DCIA	34%	7872	22952
			ICIA	66%	15080	22952
				100%	22952	
BF	95	EDC-S				
			DCIA	7%	761	10692
			ICIA	93%	9931	10692
				100%	10692	

UPC - ST and DI Volumes

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
1	Infiltrating					
	DI	442	0.05	0.10	0.60	1989
	DI	443	0.95	0.10	5.70	1989
	DI	444	0.90	0.10	5.40	1989
	DI	445	0.95	0.10	5.70	1989
	ST	113	0.50	3.14	3.53	1989
	ST	119	0.60	3.14	4.24	1989
	ST	120	0.60	3.14	4.24	1989
	ST	121	0.30	3.14	2.12	1989
	ST	122	0.45	3.14	3.18	1989
	ST	123	0.50	3.14	3.53	1989
	ST	124	0.40	3.14	2.83	1989
	ST	125	0.30	3.14	2.12	1989
	ST	126	0.35	3.14	2.47	1989
	ST	127	0.50	3.14	3.53	1989
	ST	128	0.60	3.14	4.24	1989
	ST	132	0.45	3.14	3.18	1989
	ST	133	0.40	3.14	2.83	1989
	ST	134	0.50	3.14	3.53	1989
	ST	135	0.40	3.14	2.83	1989
	ST	136	0.50	3.14	3.53	1989
	ST	137	0.55	3.14	3.89	1989
	ST	138	0.35	3.14	2.47	1989
	ST	139	0.60	3.14	4.24	1989
	ST	140	0.50	3.14	3.53	1989
	ST	141	0.40	3.14	2.83	1989
	ST	142	0.65	3.14	4.59	1989
	ST	143	0.70	3.14	4.95	1989
	ST	144	0.55	3.14	3.89	1989
	ST	145	0.45	3.14	3.18	1989
	ST	146	0.47	3.14	3.32	1989
	ST	147	0.50	3.14	3.53	1989
	ST	148	0.50	3.14	3.53	1989
	ST	149	0.60	3.14	4.24	1989
	ST	150	0.65	3.14	4.59	1989
	ST	151	0.60	3.14	4.24	1989
	ST	152	0.70	3.14	4.95	1989
	ST	153	0.45	3.14	3.18	1989
	ST	154	0.45	3.14	3.18	1989
	ST	155	0.45	3.14	3.18	1989
	ST	156	0.10	7.07	1.26	1989
	ST	157	0.20	7.07	2.51	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
				124.49	**144.66**	
1	Solid					
	DI	1486	1.45	0.10	8.70	1989
	DI	1487	1.10	0.10	6.60	1989
	DI	1512	3.05	0.10	20.74	1989
	DI	1513	0.85	0.10	5.78	1989
	SD	1484	0.00	38.48	0.00	1989
	SD	1485	0.00			1989
	SD	1488	0.00			1989
	SD	1489	0.00			1989
	SD	1490	0.50			1989
	SD	1491	0.00	38.48	0.00	1989
	SD	1492	0.00	38.48	0.00	1989
	SD	1493	0.00			1989
	SD	1494	0.00			1989
	SD	1497	0.00			1989
	SD	1499				1989
	SD	1508	0.00	19.63	0.00	1989
	SD	1509	0.00	12.57	0.00	1989
	ST	1536	0.00	3.14	0.00	1989
				151.19	**41.82**	
			UPC 1	**275.67**	**186.48**	
2	Infiltrating					
	ST	77	0.28	3.14	1.98	1989
	ST	85	0.50	3.14	3.53	1989
	ST	86	0.65	3.14	4.59	1989
	ST	87	0.40	3.14	2.83	1989
	ST	88	0.45	3.14	3.18	1989
	ST	92	0.33	3.14	2.33	1989
	ST	93	6.00	3.14	42.41	1989
	ST	94	0.55	3.14	3.89	1989
	ST	95	0.67	3.14	4.74	1989
	ST	96	0.60	3.14	4.24	1989
	ST	97	0.60	3.14	4.24	1989
	ST	102	0.28	3.14	1.98	1989
	ST	103	0.50	3.14	3.53	1989
	ST	104	0.65	3.14	4.59	1989
	ST	105	0.38	3.14	2.69	1989
	ST	106	0.37	3.14	2.62	1989
	ST	107	0.50	3.14	3.53	1989
	ST	112	0.60	3.14	4.24	1989
	ST	118	0.60	3.14	4.24	1989
	ST	158	0.00	3.14	0.00	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	296	0.52	3.14	3.68	1989
	ST	297	0.43	3.14	3.04	1989
	ST	305	0.40	3.14	2.83	1989
				72.26	**114.94**	
2	Solid					
	DI	1505	1.05	0.10	6.93	1989
	DI	1506	1.10	0.10	14.96	1989
	DI	1507	1.15	0.10	7.59	1989
	DI	1529		0.10		1989
	DI	1530		0.10		1989
	SD	1500	0.00	12.57	0.00	1989
	SD	1501	0.00	12.57	0.00	1989
	SD	1501	0.00	12.57	0.00	1989
	SD	1502	0.00	12.57	0.00	1989
	SD	1503	0.00	12.57	0.00	1989
				63.32	**29.48**	
			UPC 2	**135.58**	**144.42**	
3	Infiltrating					
	DI	439	0.02	0.10	0.24	1989
	DI	440	0.00	0.10	0.00	1989
	DI	441	0.00	0.10	0.00	1989
	ST	60	0.30	3.14	2.12	1989
	ST	61	0.35	3.14	2.47	1989
	ST	62	0.33	3.14	2.33	1989
	ST	63	0.35	3.14	2.47	1989
	ST	64	0.43	3.14	3.04	1989
	ST	65	0.48	3.14	3.39	1989
	ST	66	0.40	3.14	2.83	1989
	ST	67	0.30	3.14	2.12	1989
	ST	68	0.45	3.14	3.18	1989
	ST	69	0.60	3.14	4.24	1989
	ST	70	0.35	3.14	2.47	1989
	ST	71	0.20	3.14	1.41	1989
	ST	72	0.50	3.14	3.53	1989
	ST	73	0.37	3.14	2.62	1989
	ST	74	0.33	3.14	2.33	1989
	ST	75	0.70	3.14	4.95	1989
	ST	76	0.52	3.14	3.68	1989
	ST	78	0.80	3.14	5.65	1989
	ST	79	0.30	3.14	2.12	1989
	ST	80	0.45	3.14	3.18	1989
	ST	81	0.47	3.14	3.32	1989
	ST	82	0.65	3.14	4.59	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	83	0.70	3.14	4.95	1989
	ST	84	0.55	3.14	3.89	1989
	ST	89	0.45	3.14	3.18	1989
	ST	90	0.45	3.14	3.18	1989
	ST	91	0.55	3.14	3.89	1989
	ST	98	0.55	3.14	3.89	1989
	ST	99	0.50	3.14	3.53	1989
	ST	100	0.60	3.14	4.24	1989
	ST	101	0.40	3.14	2.83	1989
	ST	108	0.58	3.14	4.10	1989
	ST	109	0.40	3.14	2.83	1989
	ST	110	0.40	3.14	2.83	1989
	ST	111	0.40	3.14	2.83	1989
	ST	114	0.65	3.14	4.59	1989
	ST	115	0.55	3.14	3.89	1989
	ST	116	0.65	3.14	4.59	1989
	ST	117	0.45	3.14	3.18	1989
	ST	129	0.48	3.14	3.39	1989
	ST	130	0.40	3.14	2.83	1989
	ST	131	0.70	3.14	4.95	1989
	ST	159	0.05	3.14	0.35	1989
	ST	306	0.40	0.79	0.00	1989
	ST	314	0.50	0.79	0.00	1989
				136.95	**142.25**	
3	Solid					
	DI	1537		0.10		1989
	SD	1495	0.00			1989
	SD	1496	0.00			1989
	SD	1498	0.00			1989
				0.10		
			UPC 3	**137.05**	**142.25**	
7	Infiltrating					
	DI	524	0.75	0.10		1989
				0.10		
			UPC 7	**0.10**		
8	Infiltrating					
	DI	520	0.00	0.10	0.00	1989
	DI	521	1.85	0.10	11.10	1989
	DI	522	0.00	0.10	0.00	1989
	DI	523	2.90	0.10	17.40	1989
	DI	526	0.10	0.10	0.60	1989
	DI	527	1.25	0.10	7.50	1989
	DI	528	0.00	0.10	0.00	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	255	0.93	3.14	6.57	1989
	ST	329	0.80	3.14	5.65	1989
	ST	1701	0.00	1.77	0.00	1989
				8.74	**48.83**	
8	Solid					
	DI	1695	0.00	0.10	0.00	1989
	DI	1696	0.05	0.10	0.35	1989
	DI	1697	0.00	0.10	0.00	1989
	DI	1698	1.90	0.10	17.44	1989
	DI	1699	1.95	0.10	13.59	1989
	DI	1700	1.95	0.10	13.59	1989
	ST	1702	0.00	0.20	0.00	1989
				0.79	**44.98**	
			UPC 8	**9.52**	**93.80**	
9	Infiltrating					
	DI	525	0.00	0.10	0.00	1989
				0.10	**0.00**	
			UPC 9	**0.10**	**0.00**	
10	Solid					
	DI	1705	1.90	0.10	19.46	1989
				0.10	**19.46**	
			UPC 10	**0.10**	**19.46**	
11	Infiltrating					
	DI	1676	3.00	0.10	51.75	2006
	DI	1677	4.05	0.10	104.29	2006
	DI	1680	3.35	0.10	86.26	2006
	DI	1681	3.60	0.10	62.10	2006
	ST	1668	5.00	3.14	35.34	2006
	ST	1669	7.20	3.14	50.89	2006
	ST	1684	4.40	7.07	55.29	2006
	ST	1685	5.00	3.14	35.34	2006
	ST	1686	7.70	3.14	54.43	2006
	ST	1687		3.14		2006
	ST	1688	3.35	3.14	23.68	2006
	ST	1691	3.20	7.07	40.21	2006
	ST	1692		9.62		2006
	ST	1693	0.30	9.62	4.77	2006
	ST	1694	4.50	9.62	71.57	2006
				62.24	**675.93**	
11	Solid					
	DI	1703	0.90	0.10	9.22	1989
	DI	1704	0.00	0.20	0.00	1989
	SD	1671	0.00	9.62	0.00	2006
	TD	1678	0.00	0.10	0.00	2006

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	TD	1679	0.00	0.10	0.00	2006
	TD	1682	0.00	0.10	0.00	2006
	TD	1683	0.00	0.10	0.00	2006
	V	1689	3.30	0.10	52.80	2006
				10.41	**62.02**	
			UPC 11	**72.65**	**737.95**	
12	Infiltrating					
	DI	437	2.90	0.10	17.40	1992
	DI	438	2.70	0.10	16.20	1992
	DI	474	5.75	0.10	34.50	1995
	DI	475	5.90	0.10	35.40	1995
	DI	476	5.90	0.10	35.40	1995
	ST	658	4.45	3.14	31.46	1992
	ST	659	5.60	3.14	39.58	1992
	ST	712	6.10	3.14	43.12	1992
	ST	713	5.55	3.14	39.23	1992
	ST	195	4.95	3.14	34.99	1995
	ST	196	3.75	3.14	26.51	1995
	ST	197	4.30	3.14	30.39	1995
	ST	198	3.90	3.14	27.57	1995
	ST	199	3.70	3.14	26.15	1995
	ST	649	3.90	3.14	27.57	1995
	ST	650	4.70	3.14	33.22	1995
	ST	651	4.00	3.14	28.27	1995
	ST	703	4.20	3.14	29.69	1995
	ST	704	3.35	3.14	23.68	1995
	ST	705	1.50	3.14	10.60	1995
	ST	1657	1.00	3.14	7.07	1995
	ST	1658	4.50	3.14	31.81	1995
				53.90	**629.81**	
12	Solid					
	TD	1659	0.00	0.10	0.00	1995
	TD	1660	0.00	0.10	0.00	1995
				0.20	**0.00**	
			UPC 12	**54.09**	**629.81**	
13	Infiltrating					
	DI	516	2.10	0.10	12.60	1801
	DI	429	2.30	0.10	13.80	1992
	DI	430	2.50	0.10	15.00	1992
	DI	431	2.70	0.10	16.20	1992
	DI	432	0.50	0.10	3.00	1992
	ST	56	6.00	7.07	75.40	1992
				7.56	**136.00**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
			UPC 13	7.56	136.00	
14	Infiltrating					
	DI	458	1.90	0.10	11.40	1801
	DI	511	1.30	0.10	7.80	1801
	DI	512	1.70	0.10	10.20	1801
	DI	519	1.75	0.10	10.50	1801
	DI	433	0.00	0.10	0.00	1992
	DI	434	2.70	0.10	16.20	1992
	DI	435	2.35	0.10	14.10	1992
	DI	436	2.35	0.10	14.10	1992
	DI	1821	2.00	0.10	12.00	2010
	ST	57	4.10	7.07	51.52	1992
	ST	58	1.90	3.14	13.43	1992
	ST	59	2.05	3.14	14.49	1992
	ST	660	4.40	3.14	31.10	1992
	ST	714	5.80	3.14	41.00	1992
	ST	1817	2.66	3.14	18.80	2010
	ST	1818	0.82	3.14	5.80	2010
	ST	1819	2.00	3.14	14.14	2010
	ST	1820	2.00	3.14	14.14	2010
	ST	1823	8.00	3.14	56.55	2010
	ST	1824	8.00	3.14	56.55	2010
	ST	1825	8.00	3.14	56.55	2010
	ST	1826	4.20	3.14	29.69	2010
	ST	1827	3.10	3.14	21.91	2010
				48.79	521.96	
			UPC 14	48.79	521.96	
15	Infiltrating					
	DI	513	1.40	0.10	8.40	1801
	DI	514	1.50	0.10	9.00	1801
	DI	515	1.25	0.10	7.50	1801
	DI	517	2.35	0.10	14.10	1801
				0.39	39.00	
			UPC 15	0.39	39.00	
16	Infiltrating					
	DI	518	2.25	0.10	13.50	1801
	DI	562	3.70	0.10	22.20	2003
	DI	563	3.37	0.10	20.22	2003
	DI	564	3.65	0.10	21.90	2003
	DI	565	3.80	0.10	22.80	2003
	DI	566	3.10	0.10	18.60	2003
	DI	567	3.17	0.10	19.02	2003
	ST	298	2.30	3.14	16.26	2003

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	299	2.95	3.14	20.85	2003
	ST	301	5.52	3.14	39.02	2003
				10.11	**214.37**	
16	Solid					
	SD	1193	4.35	7.07	54.66	2003
	SD	1194	3.81	7.07	47.88	2003
	SD	1195	4.15	7.07	52.15	2003
	SD	1196	4.50	7.07	56.55	2003
	SD	1197	4.20	7.07	52.78	2003
	SD	1198	4.60	7.07	57.81	2003
	SD	1199	4.65	7.07	58.43	2003
	SD	1200	4.80	7.07	60.32	2003
	SD	1201	4.90	7.07	61.58	2003
	SD	1202	4.50	7.07	56.55	2003
	SD	1203	4.05	7.07	50.89	2003
	SD	1204	2.70	7.07	33.93	2003
	TD	1647	0.00	0.10	0.00	2003
	TD	1648	0.00	0.10	0.00	2003
	TD	1649	0.00	0.10	0.00	2003
	TD	1650	0.00	0.10	0.00	2003
	TD	1651	0.00	0.10	0.00	2003
				85.31	**643.52**	
			UPC 16	**95.43**	**857.89**	
17	Infiltrating					
	DI	1804	3.00	0.10	18.00	2010
	DI	1812	4.00	0.10	24.00	2010
	DI	1830	0.88	0.10	5.28	2010
	DI	1831	1.02	0.10	6.12	2010
	SD	1814	1.14	7.07	14.33	2010
	SD	1815	1.07	7.07	13.45	2010
	SD	1816	2.00	7.07	25.13	2010
	ST	1805	0.00	3.14	0.00	2010
	ST	1806	3.00	7.07	37.70	2010
	ST	1808	2.00	3.14	14.14	2010
	ST	1809	2.00	3.14	14.14	2010
	ST	1810	2.00	3.14	14.14	2010
	ST	1811	2.00	3.14	14.14	2010
	ST	1813	3.00	3.14	21.21	2010
	ST	1822	8.00	3.14	56.55	2010
				50.66	**278.31**	
			UPC 17	**50.66**	**278.31**	
19	Infiltrating					
	ST	260	5.00	3.14	35.34	2002

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	261	0.00	3.14	0.00	2002
	ST	262	3.95	3.14	27.92	2002
	ST	263	3.30	7.07	41.47	2002
	ST	264	5.76	3.14	40.72	2002
	ST	265	7.00	3.14	49.48	2002
	ST	266	1.56	7.07	19.60	2002
	ST	267	2.33	3.14	16.47	2002
	ST	268	0.15	3.14	1.06	2002
	ST	269	3.10	3.14	21.91	2002
	ST	270	3.00	3.14	21.21	2002
	ST	674	4.19	3.14	29.62	2002
	ST	728	5.00	3.14	35.34	2002
				48.69	**340.14**	
			UPC 19	**48.69**	**340.14**	
20	Infiltrating					
	DI	533	3.06	0.10	18.36	2002
	DI	534	3.46	0.10	20.76	2002
	DI	535	2.84	0.10	17.04	2002
	DI	536	2.97	0.10	17.82	2002
	DI	537	2.98	0.10	17.88	2002
	DI	538	2.55	0.10	15.30	2002
	DI	539	1.92	0.10	11.52	2002
	DI	540	1.10	0.10	6.60	2002
	DI	541	1.27	0.10	7.62	2002
	ST	271	6.30	3.14	44.53	2002
				4.03	**177.43**	
20	Solid					
	TD	1613	0.00	0.10	0.00	2002
				0.10	**0.00**	
			UPC 20	**4.12**	**177.43**	
21	Infiltrating					
	ST	272	4.93	3.14	34.85	2002
				3.14	**34.85**	
			UPC 21	**3.14**	**34.85**	
22	Solid					
	ST	2170		3.14		
	ST	2171		3.14		
	ST	2172		3.14		
				9.42		
			UPC 22	**9.42**		
23	Infiltrating					
	ST	1623	1.45	3.14	10.25	2007
	ST	1627	1.25	3.14	8.84	2007

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
				6.28	**19.09**	
23	Solid					
	SD	1624	0.00	7.07	0.00	2007
	SD	1625	0.00	7.07	0.00	2007
	SD	1626	0.00	7.07	0.00	2007
				21.21	**0.00**	
			UPC 23	**27.49**	**19.09**	
24	Infiltrating					
	ST	2149	5.39	7.07	67.73	2007
	ST	2150	3.20	7.07	40.21	2007
	ST	2151	0.28	3.14	1.98	2007
				17.28	**109.92**	
24	Solid					
	SD	2152	0.00	7.07	0.00	2007
				7.07	**0.00**	
			UPC 24	**24.35**	**109.92**	
25	Solid					
	ST	1836		3.14		
	ST	1837		3.14		
				6.28		
			UPC 25	**6.28**		
26	Solid					
	DI	2133		0.10		
	ST	1835		3.14		
	ST	2166		3.14		
	ST	2167		3.14		
	ST	2168		3.14		
	ST	2169		3.14		
				15.81		
			UPC 26	**15.81**		
27	Solid					
	ST	1834		3.14		
				3.14		
			UPC 27	**3.14**		
29	Infiltrating					
	DI	394	2.25	0.10	13.50	1995
	DI	395	0.85	0.10	5.10	1995
	DI	396	3.87	0.10	23.22	1995
	ST	207	6.65	3.14	47.01	1995
	ST	209	8.64	3.14	61.07	1995
	ST	228	6.70	3.14	47.36	1995
	ST	229	7.97	3.14	56.34	1995
	ST	643	3.40	3.14	24.03	1995
	ST	644	4.50	3.14	31.81	1995

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	697	7.36	3.14	52.02	1995
	ST	698	6.95	3.14	49.13	1995
				25.43	**410.59**	
29	Solid					
	TD	1522		0.10		1995
	TD	1523		0.10		1995
				0.20		
			UPC 29	**25.62**	**410.59**	
30	Infiltrating					
	DI	384	3.40	0.10	20.40	1995
	DI	385	3.75	0.10	22.50	1995
	DI	386	5.15	0.10	30.90	1995
	DI	387	4.65	0.10	27.90	1995
	DI	388	0.82	0.10	4.92	1995
	DI	389	2.35	0.10	14.10	1995
	DI	390	0.35	0.10	2.10	1995
	DI	391	0.22	0.10	1.32	1995
	DI	392	0.10	0.10	0.60	1995
	DI	393	0.20	0.10	1.20	1995
	ST	210	6.63	3.14	46.86	1995
	ST	211	7.12	3.14	50.33	1995
	ST	212	4.70	3.14	33.22	1995
	ST	214	5.55	3.14	39.23	1995
	ST	215	5.05	3.14	35.70	1995
	ST	216	4.33	7.07	54.41	1995
	ST	217	6.06	3.14	42.84	1995
	ST	227	7.45	3.14	52.66	1995
				30.04	**481.19**	
30	Solid					
	TD	1524		0.10		1995
	TD	1525		0.10		1995
	TD	1531		0.10		1995
	TD	1532		0.10		1995
				0.39		
			UPC 30	**30.43**	**481.19**	
31	Infiltrating					
	DI	381	2.60	0.10	15.60	1995
	DI	382	3.95	0.10	23.70	1995
	DI	383	1.15	0.10	6.90	1995
	ST	206	3.20	0.79	10.05	1995
	ST	220	5.14	3.14	36.33	1995
	ST	221	2.80	0.79	8.80	1995
	ST	222	5.20	0.79	16.34	1995
	ST	223	6.57	3.14	46.44	1995

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	224	4.84	3.14	34.21	1995
	ST	225	4.80	0.79	15.08	1995
	ST	226	3.70	0.79	11.62	1995
	ST	233	3.30	3.14	23.33	1995
	ST	234	5.00	3.14	35.34	1995
	ST	235	7.45	3.14	52.66	1995
	ST	236	5.00	0.79	15.71	1995
	ST	237	1.30	0.79	4.08	1995
	ST	238	3.46	0.79	10.87	1995
	ST	239	5.00	0.79	15.71	1995
	ST	240	5.00	0.79	15.71	1995
	ST	241	1.90	3.14	13.43	1995
	ST	242	5.10	3.14	36.05	1995
	ST	637	4.12	3.14	29.12	1995
	ST	638	2.51	3.14	17.74	1995
	ST	639	4.90	3.14	34.64	1995
	ST	640	4.15	3.14	29.33	1995
	ST	641	4.20	3.14	29.69	1995
	ST	642	4.70	3.14	33.22	1995
	ST	648	5.05	3.14	35.70	1995
	ST	670	3.30	3.14	23.33	1995
	ST	691	5.72	3.14	40.43	1995
	ST	692	3.71	3.14	26.22	1995
	ST	693	7.10	3.14	50.19	1995
	ST	694	5.47	3.14	38.67	1995
	ST	695	6.03	3.14	42.62	1995
	ST	696	6.72	3.14	47.50	1995
	ST	702	6.30	3.14	44.53	1995
	ST	724	4.42	3.14	31.24	1995
				83.55	**1002.14**	
31	Solid					
	ST	1534	0.10	0.79	0.31	1995
	TD	1526		0.10		1995
	TD	1527		0.10		1995
				0.98	**0.31**	
			UPC 31	**84.53**	**1002.45**	
32	Infiltrating					
	DI	1177	5.17	0.10	31.02	1995
	DI	1178	4.02	0.10	24.12	1995
	DI	1185	4.60	0.10	27.60	1995
	DI	1186	3.90	0.10	23.40	1995
	ST	219	4.00	3.14	28.27	1995
				3.53	**134.41**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
32	Solid					
	ST	1542	2.10	0.79	6.60	1995
	TD	1519		0.10		1995
	TD	1520		0.10		1995
	TD	1521		0.10		1995
				1.08	**6.60**	
			UPC 32	**4.61**	**141.01**	
33	Infiltrating					
	DI	398	3.10	0.10	18.60	1995
	ST	2	2.65	3.14	18.73	1995
	ST	3	2.35	3.14	16.61	1995
	ST	646	3.10	3.14	21.91	1995
	ST	647	3.68	3.14	26.01	1995
	ST	700	4.10	3.14	28.98	1995
	ST	701	3.62	3.14	25.59	1995
	ST	1533	0.85	0.79	2.67	1995
				19.73	**159.11**	
33	Solid					
	TD	1518		0.10		1995
				0.10		
			UPC 33	**19.83**	**159.11**	
34	Infiltrating					
	DI	397	4.85	0.10	29.10	1995
	ST	218	0.05	3.14	0.35	1995
	ST	230	3.67	3.14	25.94	1995
	ST	231	6.82	3.14	48.21	1995
	ST	645	5.00	3.14	35.34	1995
	ST	699	6.55	3.14	46.30	1995
				15.81	**185.25**	
34	Solid					
	TD	1517		0.10		1995
				0.10		
			UPC 34	**15.90**	**185.25**	
35	Infiltrating					
	DI	557	3.65	0.10	21.90	2001
	DI	558	3.32	0.10	19.92	2001
	ST	290	5.67	7.07	71.25	2001
	ST	291	5.31	7.07	66.73	2001
	ST	292	3.54	7.07	44.48	2001
				21.40	**224.28**	
35	Solid					
	ST	1611	0.05	7.07	0.63	2001
				7.07	**0.63**	
			UPC 35	**28.47**	**224.91**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
36	Infiltrating					
	DI	548	3.12	0.10	18.72	2001
	DI	552	0.03	0.10	0.18	2001
	DI	553	3.30	0.10	19.80	2001
	ST	286	2.92	7.07	36.69	2001
	ST	288	4.65	7.07	58.43	2001
	ST	289	4.93	7.07	61.95	2001
				21.50	**195.78**	
36	Solid					
	SD	285	4.60	7.07	57.81	2001
	ST	287	4.60	7.07	57.81	2001
	ST	1604	0.00	7.07	0.00	2001
	ST	1605	0.00	7.07	0.00	2001
	TD	1594	0.00	0.10	0.00	2001
	TD	1598	0.00	0.10	0.00	2001
				28.47	**115.61**	
			UPC 36	**49.97**	**311.39**	
38	Solid					
	DI	1233		0.10		1988
	DI	1234		0.10		1988
				0.20		
			UPC 38	**0.20**		
40	Infiltrating					
	DI	554	1.17	0.10	7.02	2001
	DI	555	1.06	0.10	6.36	2001
	DI	556	1.17	0.10	7.02	2001
	ST	1	6.88	3.14	48.63	1995
	ST	232	5.60	3.14	39.58	1995
				6.58	**108.62**	
40	Solid					
	SD	1610		7.07		2001
	ST	1606	0.00	1.77	0.00	2001
				8.84	**0.00**	
			UPC 40	**15.41**	**108.62**	
41	Solid					
	DI	1929		0.10		
	DI	1930		0.10		
	DI	1931		0.10		
	DI	1932		0.10		
	DI	1933		0.10		
	DI	1936	0.00	0.10	0.00	
	DI	1937	0.00	0.10	0.00	
	DI	1938	0.00	0.10	0.00	
	DI	1939	0.00	0.10	0.00	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	1944	0.00	0.10	0.00	
	DI	1945	0.00	0.10	0.00	
	DI	1961		0.10		
	DI	1962		0.10		
	DI	1977		0.10		
	DI	1980		0.10		
	DI	1981		0.10		
	SD	1851				
	SD	1853				
	SD	1857	0.00			
	SD	1858	0.00			
	SD	1859	0.00			
	SD	1860	0.00			
	SD	1861	0.00			
	SD	1869	0.00			
	SD	1872				
	SD	1873				
	SD	1882	0.00			
	SD	1883				
	SD	1898				
				1.57	**0.00**	
			UPC 41	**1.57**	**0.00**	
42 Solid						
	DI	1922		0.10		
	DI	1923	0.00	0.10	0.00	
	DI	1925	0.00	0.10	0.00	
	DI	1926		0.10		
	DI	1927		0.10		
	DI	1928		0.10		
	DI	1934		0.10		
	DI	1935		0.10		
	DI	1940	0.00	0.10	0.00	
	DI	1942	0.00	0.10	0.00	
	DI	1948		0.10		
	DI	1949		0.10		
	DI	1950		0.10		
	DI	1951		0.10		
	DI	1952		0.10		
	DI	1953		0.10		
	DI	1963	0.00	0.10	0.00	
	DI	1964	0.00	0.10	0.00	
	DI	1965		0.10		
	DI	1966		0.10		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	1967		0.10		
	DI	1968		0.10		
	DI	1970		0.10		
	DI	1971		0.10		
	DI	1972		0.10		
	DI	1973		0.10		
	DI	1974		0.10		
	DI	1975		0.10		
	DI	1976		0.10		
	DI	1978		0.10		
	DI	1979		0.10		
	DI	2000		0.10		
	DI	2001		0.10		
	DI	2002		0.10		
	DI	2003		0.10		
	SD	1849	0.00			
	SD	1850				
	SD	1856	0.00			
	SD	1867				
	SD	1868				
	SD	1870	0.00			
	SD	1871	0.00			
	SD	1880	0.00			
	SD	1881	0.00			
	SD	1885				
	SD	1887				
	SD	1888				
	SD	1889	0.00			
	SD	1890				
	SD	1891				
	SD	1899				
	SD	1900				
	SD	1901				
	SD	1902				
	SD	1903				
	SD	1904				
	TD	1924		0.10		
	TD	1941		0.10		
	TD	1943		0.10		
	TD	2028		0.10		
	TD	2031		0.10		
	TD	2032		0.10		
	TD	2183		0.10		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	TD	2184		0.10		
				4.22	**0.00**	
			UPC 42	**4.22**	**0.00**	
43 Solid						
	DI	1912		0.10		
	DI	1913		0.10		
	DI	1914	0.00	0.10	0.00	
	DI	1915	0.00	0.10	0.00	
	DI	1916	0.00	0.10	0.00	
	DI	1920	0.00	0.10	0.00	
	DI	1921	0.00	0.10	0.00	
	DI	1946		0.10		
	DI	1947		0.10		
	SD	1845	0.00			
	SD	1846	0.00			
	SD	1847	0.00			
	SD	1848	0.00			
	SD	1865				
	SD	1866				
	SD	1886				
	TD	1917		0.10		
	TD	1918		0.10		
	TD	2029		0.10		
	TD	2030		0.10		
				1.28	**0.00**	
			UPC 43	**1.28**	**0.00**	
44 Infiltrating						
	DI	545	0.83	0.10	4.98	2001
	DI	546	2.70	0.10	16.20	2001
	DI	547	0.08	0.10	0.24	2001
	DI	549	0.08	0.10	0.24	2001
	DI	550	2.65	0.10	15.90	2001
	DI	551	3.27	0.10	19.62	2001
	DI	559	0.00	0.10	0.00	2001
	DI	560	3.10	0.10	18.60	2001
	DI	561	0.60	0.10	3.60	2001
	DI	1181	2.54	0.10	15.24	2001
	DI	1182	2.58	0.10	15.48	2001
	DI	1183	3.12	0.10	18.72	2001
	DI	1189	0.00	0.10	0.00	2001
	DI	1190	0.00	0.10	0.00	2001
	DI	1191	0.00	0.10	0.00	2001
	ST	277	4.05	7.07	50.89	2001

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	278	4.50	7.07	56.55	2001
	ST	279	6.61	7.07	83.06	2001
	ST	280	4.80	7.07	60.32	2001
	ST	281	5.68	7.07	71.38	2001
	ST	282	1.59	7.07	19.98	2001
	ST	283	2.52	7.07	31.67	2001
	ST	284	4.73	7.07	59.44	2001
	ST	293	3.40	7.07	42.73	2001
	ST	294	3.20	7.07	40.21	2001
	ST	295	3.40	7.07	42.73	2001
	ST	676	4.80	7.07	60.32	2001
	ST	730	4.97	7.07	62.45	2001
				93.36	**810.54**	
44	Solid					
	DI	1907		0.10		
	DI	1908		0.10		
	DI	1909		0.10		
	DI	1910		0.10		
	DI	1911		0.10		
	DI	1954		0.10		
	DI	1955		0.10		
	DI	1956		0.10		
	DI	1957		0.10		
	DI	1958		0.10		
	DI	1959		0.10		
	DI	1960		0.10		
	DI	1969		0.10		
	DI	1983		0.10		
	DI	1984		0.10		
	DI	1986		0.10		
	DI	1987		0.10		
	DI	1988		0.10		
	DI	1989		0.10		
	DI	1990		0.10		
	DI	1991		0.10		
	DI	1992		0.10		
	DI	1993		0.10		
	DI	1994		0.10		
	DI	1995		0.10		
	DI	1996		0.10		
	DI	1997		0.10		
	DI	1998		0.10		
	DI	1999		0.10		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	2004		0.10		
	DI	2005		0.10		
	DI	2007		0.10		
	DI	2008		0.10		
	DI	2010		0.10		
	DI	2012		0.10		
	DI	2015		0.10		
	DI	2017		0.10		
	DI	2018		0.10		
	DI	2019		0.10		
	DI	2020		0.10		
	DI	2021		0.10		
	DI	2022		0.10		
	DI	2023		0.10		
	DI	2024		0.10		
	DI	2025		0.10		
	DI	2026		0.10		
	DI	2027		0.10		
	DI	2033		0.10		
	DI	2034		0.10		
	DI	2035		0.10		
	DI	2036		0.10		
	DI	2045		0.10		
	DI	2046		0.10		
	DI	2047		0.10		
	DI	2048		0.10		
	DI	2160		0.10		
	DI	2161		0.10		
	SD	1842				
	SD	1843				
	SD	1844				
	SD	1854				
	SD	1855				
	SD	1863				
	SD	1864				
	SD	1874				
	SD	1875				
	SD	1876				
	SD	1877				
	SD	1878				
	SD	1879				
	SD	1892				
	SD	1893				

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	SD	1894				
	SD	1895				
	SD	1895				
	SD	1896				
	SD	1897				
	SD	1982				
	SD	1607	0.00	12.57	0.00	2001
	SD	1608		7.07		2001
	SD	1609		7.07		2001
	ST	1612				2001
	TD	2158		0.10		
	TD	2159		0.10		
	TD	1593	0.00	0.10	0.00	2001
	TD	1595	0.00	0.10	0.00	2001
	TD	1596	0.00	0.10	0.00	2001
	TD	1597	0.00	0.10	0.00	2001
	TD	1599	0.00	0.10	0.00	2001
	TD	1600	0.00	0.10	0.00	2001
	TD	1601	0.00	0.10	0.00	2001
	TD	1602	0.00	0.10	0.00	2001
				33.28	**0.00**	
			UPC 44	**126.65**	**810.54**	
45	Solid					
	DI	2043		0.10		
				0.10		
			UPC 45	**0.10**		
46	Solid					
	DI	2053		0.10		
	DI	2054		0.10		
	DI	2055		0.10		
	DI	2056		0.10		
	DI	2057		0.10		
	DI	2058		0.10		
	DI	2059		0.10		
				0.69		
			UPC 46	**0.69**		
47	Solid					
	DI	2049		0.10		
	DI	2050		0.10		
	DI	2051		0.10		
	DI	2052		0.10		
				0.39		
			UPC 47	**0.39**		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
48	Infiltrating					
	DI	542	0.59	0.10	3.54	2001
	DI	543	4.74	0.10	67.55	2001
	DI	544	5.27	0.10	75.10	2001
	ST	275	8.00	3.14	56.55	2001
	ST	276	2.80	7.07	35.19	2001
	ST	675	8.00	3.14	56.55	2001
	ST	729	8.00	3.14	56.55	2001
				16.79	**351.01**	
48	Solid					
	DI	1255		0.10		
	DI	1256		0.10		
	ST	1253		7.07		
				7.26		
			UPC 48	**24.05**	**351.01**	
49	Solid					
	DI	2090		0.10		
	DI	2091		0.10		
	DI	2092		0.10		
	DI	2093		0.10		
	DI	2094		0.10		
	DI	2095		0.10		
				0.59		
			UPC 49	**0.59**		
50	Solid					
	DI	2083		0.10		
	DI	2084		0.10		
	DI	2085		0.10		
	DI	2086		0.10		
	DI	2096		0.10		
	DI	2097		0.10		
	DI	2098		0.10		
	DI	2099		0.10		
	DI	2100		0.10		
	DI	2101		0.10		
	DI	2102		0.10		
	DI	2103		0.10		
	DI	2111		0.10		
	DI	2112		0.10		
	DI	2113		0.10		
	DI	2115		0.10		
	DI	2116		0.10		
	DI	2117		0.10		
	DI	2118		0.10		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	2119		0.10		
	DI	2121		0.10		
	DI	2122		0.10		
	DI	2123		0.10		
	DI	2124		0.10		
	DI	2125		0.10		
	DI	2126		0.10		
	DI	2127		0.10		
	DI	2128		0.10		
	DI	2129		0.10		
	DI	2130		0.10		
	DI	2131		0.10		
				3.04		
			UPC 50	**3.04**		
51	Solid					
	DI	2104		0.10		
	DI	2105		0.10		
	DI	2106		0.10		
				0.29		
			UPC 51	**0.29**		
52	Solid					
	DI	2087		0.10		
	DI	2088		0.10		
	DI	2089		0.10		
	DI	2107		0.10		
	DI	2108		0.10		
	DI	2109		0.10		
	DI	2110		0.10		
	DI	2114		0.10		
				0.79		
			UPC 52	**0.79**		
54	Infiltrating					
	ST	316	4.50	3.14	31.81	2005
	ST	317	4.07	7.07	51.15	2005
				10.21	**82.95**	
			UPC 54	**10.21**	**82.95**	
55	Infiltrating					
	DI	595	0.00	0.10	0.00	2004
	DI	596	2.27	0.10	13.62	2004
	DI	597	2.27	0.10	13.62	2004
	ST	682	5.43	7.07	68.24	2004
	ST	736	5.30	7.07	66.60	2004
				14.43	**162.08**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
			UPC 55	14.43	162.08	
56	Infiltrating					
	DI	598	3.00	0.10	18.00	2004
	ST	683	5.72	7.07	71.88	2004
	ST	737	5.60	7.07	70.37	2004
				14.24	**160.25**	
56	Solid					
	SD	334	0.35	3.14	2.47	2004
	SD	1243				2004
				3.14	**2.47**	
			UPC 56	**17.38**	**162.73**	
57	Infiltrating					
	DI	599	3.00	0.10	18.00	2004
	ST	335	0.55	3.14	3.89	2004
				3.24	**21.89**	
			UPC 57	**3.24**	**21.89**	
58	Infiltrating					
	DI	611	2.80	0.10	0.00	2004
	DI	612	1.40	0.10	8.40	2004
	DI	613	3.00	0.10	18.00	2004
	ST	336	6.50	7.07	81.68	2004
	ST	337	4.42	7.07	55.54	2004
	ST	338	2.76	7.07	34.68	2004
	ST	339	6.49	7.07	81.56	2004
	ST	340	6.72	7.07	84.45	2004
	ST	685	5.31	7.07	66.73	2004
	ST	739	12.85	3.14	90.83	2004
	ST	1258	5.20	7.07	65.35	2004
	ST	1259	4.17	7.07	52.40	2004
	ST	1444	5.05	7.07	63.46	2004
	ST	1445	4.90	7.07	61.58	2004
	ST	1446	5.05	3.14	35.70	2004
				77.26	**800.35**	
			UPC 58	**77.26**	**800.35**	
59	Infiltrating					
	DI	600	0.00	0.10	0.00	2004
	DI	601	0.00	0.10	0.00	2004
	DI	603	3.00	0.10	18.00	2004
	DI	604	5.00	0.10	30.00	2004
	DI	605	1.00	0.10	6.00	2004
	DI	606	3.00	0.10	18.00	2004
	DI	607	3.00	0.10	18.00	2004
	DI	608	2.80	0.10	16.80	2004
	DI	609	3.00	0.10	18.00	2004

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	610	3.00	0.10	18.00	2004
	ST	341	0.00	3.14	0.00	2004
	ST	343	5.57	7.07	69.99	2004
	ST	344	0.50	3.14	3.53	2004
	ST	345	0.40	3.14	2.83	2004
	ST	346	3.10	7.07	38.96	2004
	ST	686	3.00	7.07	37.70	2004
	ST	687	3.00	7.07	37.70	2004
	ST	688	3.00	7.07	37.70	2004
	ST	689	3.00	7.07	37.70	2004
	ST	740	3.00	7.07	37.70	2004
	ST	741	3.00	7.07	37.70	2004
	ST	742	3.00	7.07	37.70	2004
	ST	743	3.20	7.07	40.21	2004
	ST	1562	0.70	3.14	4.95	2004
				84.23	**567.17**	
59	Solid					
	SD	1563	0.00	12.57	0.00	2004
	SD	1564	0.00	7.07	0.00	2004
	SD	1565	0.00	12.57	0.00	2004
	SD	1566	0.00	7.07	0.00	2004
	SD	1567		12.57		2004
	ST	1572		3.14		2004
				54.98	**0.00**	
			UPC 59	**139.21**	**567.17**	
60	Infiltrating					
	DI	576	2.10	0.10	12.60	2005
	DI	577	2.90	0.10	17.40	2005
	DI	578	3.16	0.10	18.96	2005
	DI	579	2.92	0.10	17.52	2005
	DI	580	2.77	0.10	16.62	2005
	DI	581	2.73	0.10	16.38	2005
	DI	582	2.80	0.10	16.80	2005
	DI	583	0.00	0.10	0.00	2005
	DI	584	3.13	0.10	18.78	2005
	DI	585	0.10	0.10	0.60	2005
	DI	586	0.00	0.10	0.00	2005
	DI	587	2.90	0.10	17.40	2005
	DI	588	2.65	0.10	15.90	2005
	DI	589	0.00	0.10	0.00	2005
	DI	590	2.85	0.10	17.10	2005
	DI	591	2.72	0.10	16.32	2005
	DI	592	3.00	0.10	18.00	2005

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	593	3.12	0.10	18.72	2005
	DI	614	2.73	0.10	17.47	2006
	DI	615	2.80	0.10	14.56	2006
	DI	616	2.75	0.10	9.63	2006
	DI	617	2.84	0.10	19.88	2006
	DI	618	2.70	0.10	18.90	2006
	DI	619	3.00	0.10	10.50	2006
	DI	620	2.80	0.10	29.68	2006
	DI	621	2.80	0.10	19.60	2006
	DI	622	2.55	0.10	17.85	2006
	DI	623	2.80	0.10	19.60	2006
	DI	624	2.65	0.10	18.55	2006
	DI	625	2.95	0.10	20.65	2006
	DI	630	1.95	0.10	13.65	2006
	DI	631	0.00	0.10	0.00	2006
	DI	632	2.95	0.10	20.65	2006
	DI	633	0.00	0.10	0.00	2006
	DI	1349	3.40	0.10	20.40	2007
	ST	318	3.65	7.07	45.87	2005
	ST	319	4.24	7.07	53.28	2005
	ST	320	5.30	7.07	66.60	2005
	ST	321	0.00	3.14	0.00	2005
	ST	322	2.72	7.07	34.18	2005
	ST	324	3.82	3.14	27.00	2005
	ST	326	2.70	7.07	33.93	2005
	ST	328	2.87	7.07	36.07	2005
	ST	679	3.20	7.07	40.21	2005
	ST	733	4.00	7.07	50.27	2005
	ST	347	1.75	7.07	21.99	2006
	ST	348	4.10	10.18	68.14	2006
	ST	349	0.60	3.14	4.24	2006
	ST	350	0.55	3.14	3.89	2006
	ST	351	2.30	3.14	16.26	2006
	ST	690	3.58	7.07	44.99	2006
	ST	744	2.60	7.07	32.67	2006
				107.08	**1090.25**	
60 Solid						
	SD	1206	0.00	7.07	0.00	2005
	SD	1207	0.00	7.07	0.00	2005
	SD	1208	0.00	7.07	0.00	2005
	SD	1209	0.05	7.07	0.63	2005
	SD	1210	0.05	7.07	0.63	2005
	SD	1211	0.00	7.07	0.00	2005

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	SD	1212	2.25	7.07	28.27	2005
	SD	1548	0.00			2006
	SD	1549	0.00			2006
	SD	1550	0.00			2006
	SD	1551	0.10			2006
	SD	1552	0.00			2006
	SD	1553	0.00			2006
	SD	1558	0.00			2006
	SD	1559	0.00	7.07	0.00	2006
	TD	1573		0.10		2006
	TD	1574		0.10		2006
				56.75	**29.53**	
			UPC 60	**163.82**	**1119.78**	
61 Infiltrating						
	DI	626	3.10	0.10	21.70	2006
	DI	627	3.21	0.10	22.47	2006
	DI	628	0.00	0.10	0.00	2006
	DI	629	2.90	0.10	20.30	2006
	DI	634	2.60	0.10	18.20	2006
	DI	635	0.03	0.10	0.21	2006
	ST	352	4.30	3.14	30.39	2006
	ST	354	0.40	3.14	2.83	2006
				6.87	**116.10**	
61 Solid						
	SD	1545	0.00			2006
	SD	1546	0.00			2006
	SD	1547	0.00			2006
			UPC 61	**6.87**	**116.10**	
62 Infiltrating						
	DI	1328	3.00	0.10	18.00	2007
	DI	1329	3.00	0.10	18.00	2007
	DI	1330	3.00	0.10	18.00	2007
	DI	1331	3.20	0.10	19.20	2007
	DI	1332	3.00	0.10	18.00	2007
	ST	1366	4.30	7.07	54.04	2007
	ST	1367	1.60	7.07	20.11	2007
				14.63	**165.34**	
62 Solid						
	SD	1543	0.00			2007
	SD	1544				2007
			UPC 62	**14.63**	**165.34**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
63	Infiltrating					
	DB	1312	2.25	1.77	11.04	2008
	DB	1313	2.13	1.77	10.46	2008
	DB	1314	1.41	1.77	6.92	2008
	DB	1315	1.43	1.77	7.02	2008
	DB	1316	1.41	1.77	6.92	2008
	DB	1317	0.68	0.20	1.20	2008
	DB	1318	0.67	0.20	1.18	2008
	DB	1319	0.74	0.20	1.31	2008
	DB	1320	0.59	0.20	1.04	2008
	DB	1321	0.51	0.20	0.90	2008
	DB	1322	0.66	0.20	1.17	2008
	DB	1323	1.35	1.77	6.63	2008
	DB	1324	1.49	1.77	7.31	2008
	DB	1312	2.25	1.77	11.04	2009
	DB	1313	2.13	1.77	10.46	2009
	DB	1314	1.41	1.77	6.92	2009
	DB	1315	1.43	1.77	7.02	2009
	DB	1316	1.41	1.77	6.92	2009
	DB	1317	0.68	0.20	1.20	2009
	DB	1318	0.67	0.20	1.18	2009
	DB	1319	0.74	0.20	1.31	2009
	DB	1320	0.59	0.20	1.04	2009
	DB	1321	0.51	0.20	0.90	2009
	DB	1322	0.66	0.20	1.17	2009
	DB	1323	1.35	1.77	6.63	2009
	DB	1324	1.49	1.77	7.31	2009
	DI	1326	1.00	0.10	6.00	2007
	DI	1327	2.60	0.10	15.60	2007
	DI	1333	4.22	0.10	25.32	2007
	DI	1334	3.53	0.10	21.18	2007
	DI	1335	2.85	0.10	17.10	2007
	DI	1336	2.90	0.10	17.40	2007
	DI	1337	3.00	0.10	18.00	2007
	DI	1338	2.80	0.10	16.80	2007
	DI	1339	3.00	0.10	18.00	2007
	DI	1340	3.95	0.10	23.70	2007
	DI	1341	3.15	0.10	18.90	2007
	DI	1342	2.90	0.10	17.40	2007
	DI	1343	2.80	0.10	16.80	2007
	DI	1344	3.00	0.10	18.00	2007
	DI	1345	3.10	0.10	18.60	2007
	DI	1346	3.80	0.10	22.80	2007

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	1347	3.00	0.10	18.00	2007
	DI	1348		0.10		2007
	DI	1294	3.01	0.10	18.06	2008
	DI	1295	3.18	0.10	19.08	2008
	DI	1296	3.40	0.10	20.40	2008
	DI	1297	3.24	0.10	19.44	2008
	DI	1298	3.06	0.10	18.36	2008
	DI	1299	2.45	0.10	14.70	2008
	DI	1300	4.62	0.10	27.72	2008
	DI	1301	3.30	0.10	19.80	2008
	DI	1302	3.20	0.10	19.20	2008
	DI	1303	2.15	1.77	10.55	2008
	DI	1304	2.16	1.77	10.60	2008
	DI	1305	2.72	1.77	13.35	2008
	DI	1325	1.05	0.20	1.86	2008
	DI	1586		0.10		2008
	DI	1587		0.10		2008
	DI	1294	3.01	0.10	18.06	2009
	DI	1295	3.18	0.10	19.08	2009
	DI	1296	3.40	0.10	20.40	2009
	DI	1297	3.24	0.10	19.44	2009
	DI	1298	3.06	0.10	18.36	2009
	DI	1299	2.45	0.10	14.70	2009
	DI	1300	4.62	0.10	27.72	2009
	DI	1301	3.30	0.10	19.80	2009
	DI	1302	3.20	0.10	19.20	2009
	DI	1303	2.15	1.77	10.55	2009
	DI	1304	2.16	1.77	10.60	2009
	DI	1305	2.72	1.77	13.35	2009
	DI	1325	1.05	0.20	1.86	2009
	DI	1586		0.10		2009
	DI	1587		0.10		2009
	ST	1350	4.70	7.07	59.06	2007
	ST	1353	4.90	3.14	34.64	2007
	ST	1354	3.30	3.14	23.33	2007
	ST	1355	1.70	3.14	12.02	2007
	ST	1357	3.40	7.07	42.73	2007
	ST	1358	3.60	3.14	25.45	2007
	ST	1359	5.90	3.14	41.70	2007
	ST	1360	3.00	3.14	21.21	2007
	ST	1361	3.90	7.07	49.01	2007
	ST	1362	3.50	7.07	43.98	2007
	ST	1368	4.10	3.14	28.98	2007

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	1369	3.20	3.14	22.62	2007
	ST	1370	4.10	7.07	51.52	2007
	ST	1371	3.70	7.07	46.50	2007
	ST	1372	3.70	7.07	46.50	2007
	ST	1373	4.10	3.14	28.98	2007
	ST	1374	3.80	3.14	26.86	2007
	ST	1375	3.80	3.14	26.86	2007
	ST	1280	4.63	3.14	32.73	2008
	ST	1281	5.79	3.14	40.93	2008
	ST	1282	4.41	3.14	31.17	2008
	ST	1286	2.99	7.07	37.57	2008
	ST	1287	6.71	3.14	47.43	2008
	ST	1288	5.21	7.07	65.47	2008
	ST	1289	4.02	7.07	50.52	2008
	ST	1290	4.42	3.14	31.24	2008
	ST	1291	4.18	3.14	29.55	2008
	ST	1292	4.53	3.14	32.02	2008
	ST	1293	4.26	3.14	30.11	2008
	ST	1306	1.29	1.77	6.33	2008
	ST	1307	1.16	0.20	2.05	2008
	ST	1308	1.06	0.79	3.33	2008
	ST	1309	1.12	0.20	1.98	2008
	ST	1310	1.09	0.20	1.93	2008
	ST	1311	1.07	0.20	1.89	2008
	ST	1280	4.63	3.14	32.73	2009
	ST	1281	5.79	3.14	40.93	2009
	ST	1282	4.41	3.14	31.17	2009
	ST	1286	2.99	7.07	37.57	2009
	ST	1287	6.71	3.14	47.43	2009
	ST	1288	5.21	7.07	65.47	2009
	ST	1289	4.02	7.07	50.52	2009
	ST	1290	4.42	3.14	31.24	2009
	ST	1291	4.18	3.14	29.55	2009
	ST	1292	4.53	3.14	32.02	2009
	ST	1293	4.26	3.14	30.11	2009
	ST	1306	1.29	1.77	6.33	2009
	ST	1307	1.16	0.20	2.05	2009
	ST	1308	1.06	0.79	3.33	2009
	ST	1309	1.12	0.20	1.98	2009
	ST	1310	1.09	0.20	1.93	2009
	ST	1311	1.07	0.20	1.89	2009
				225.41	**2386.49**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
63	Solid					
	SD	1554	0.00	7.07	0.00	2007
	SD	1555	0.10	7.07	1.26	2007
	SD	1556	0.10	7.07	1.26	2007
	SD	1557	0.00	7.07	0.00	2007
	SD	1560	0.00	7.07	0.00	2007
	SD	1561	0.05	7.07	0.63	2007
	SD	1575	0.00	7.07	0.00	2007
	SD	1576	0.00	7.07	0.00	2007
	SD	1577	0.00	7.07	0.00	2007
	SD	1578	0.05	7.07	0.63	2007
	SD	1579	0.00	7.07	0.00	2007
	SD	1580	0.00	7.07	0.00	2007
	SD	1581	0.00	7.07	0.00	2007
	SD	1582	0.00	7.07	0.00	2007
	SD	1583	0.00	12.57	0.00	2008
	SD	1584	0.00	12.57	0.00	2008
	SD	1585	0.10	12.57	1.96	2008
	SD	1583	0.00	12.57	0.00	2009
	SD	1584	0.00	12.57	0.00	2009
	SD	1585	0.10	12.57	1.96	2009
				174.36	**7.70**	
			UPC 63	**399.77**	**2394.19**	
64	Infiltrating					
	DI	568	3.00	0.10	18.00	2005
	DI	569	3.00	0.10	18.00	2005
	DI	570	2.80	0.10	16.80	2005
	DI	571	2.95	0.10	17.70	2005
	DI	572	2.70	0.10	16.20	2005
	DI	573	2.80	0.10	16.80	2005
	DI	574	2.80	0.10	16.80	2005
	DI	575	3.05	0.10	18.30	2005
	ST	677	2.60	7.07	32.67	2005
	ST	678	2.80	7.07	35.19	2005
	ST	731	2.90	7.07	36.44	2005
	ST	732	2.80	7.07	35.19	2005
	ST	1482	3.60	7.07	45.24	2005
				36.13	**323.33**	
64	Solid					
	DI	1480	0.50	0.10	2.47	2005
	SD	1205	0.00	7.07	0.00	2005
	ST	315	2.65	3.14	18.73	2005
				10.31	**21.21**	
			UPC 64	**46.44**	**344.53**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
65	Infiltrating					
	DI	529	2.78	0.10	16.68	1998
	DI	1179	3.20	0.10	19.20	1998
	ST	256	3.48	3.14	24.60	1998
	ST	257	4.86	3.14	34.35	1998
				6.48	**94.83**	
65	Solid					
	TD	2173		0.10		1998
				0.10		
			UPC 65	**6.58**	**94.83**	
66	Infiltrating					
	DI	530	2.70	0.10	16.20	1998
	DI	531	2.91	0.10	17.46	1998
	DI	532	3.22	0.10	19.32	1998
	DI	1180	3.34	0.10	20.04	1998
	DI	1187	3.20	0.10	19.20	1998
	DI	1188	3.04	0.10	18.24	1998
	ST	258	4.36	3.14	30.82	1998
	ST	673	5.00	3.14	35.34	1998
	ST	727	4.20	7.07	52.78	1998
				13.94	**229.40**	
			UPC 66	**13.94**	**229.40**	
67	Infiltrating					
	ST	1661		3.14		1992
				3.14		
			UPC 67	**3.14**		
70	Infiltrating					
	DI	477	0.20	0.10	1.20	1989
	DI	478	0.55	0.10	3.30	1989
	DI	479	0.95	0.10	5.70	1989
	DI	480	0.95	0.10	5.70	1989
	DI	481	1.10	0.10	6.60	1989
	DI	482	1.00	0.10	6.00	1989
	DI	483	1.00	0.10	6.00	1989
	DI	484	0.95	0.10	5.70	1989
	DI	485	0.95	0.10	5.70	1989
	DI	486	0.00	0.10	0.00	1989
	DI	487	0.00	0.10	0.00	1989
	DI	488	0.00	0.10	0.00	1989
	DI	489	0.15	0.10	0.90	1989
	DI	490	0.85	0.10	5.10	1989
	DI	491	0.00	0.10	0.00	1989
	DI	492	1.10	0.10	6.60	1989
	DI	493	1.10	0.10	6.60	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	494	0.03	0.10	0.18	1989
	DI	495	1.25	0.10	7.50	1989
	DI	496	0.05	0.10	0.30	1989
	DI	497	1.20	0.10	7.20	1989
	DI	407	4.06	0.10	24.36	1994
	DI	408	3.57	0.10	21.42	1994
	DI	409	3.60	0.10	21.60	1994
	DI	410	4.00	0.10	24.00	1994
	DI	411	3.47	0.10	20.82	1994
	DI	412	3.30	0.10	19.80	1994
	DI	413	3.57	0.10	21.42	1994
	DI	1664	0.00	0.10	0.00	1994
	DI	1665	0.00	0.10	0.00	1994
	ST	1706	1.15	0.79	3.61	1989
	ST	1708	0.00	5.52	0.00	1989
	ST	10	3.75	7.07	47.12	1994
	ST	11	3.90	7.07	49.01	1994
	ST	12	8.10	3.14	57.26	1994
	ST	13	8.20	3.14	57.96	1994
				29.67	**448.66**	
70	Solid					
	DI	1720	0.00	0.10	0.00	1989
	ST	1709	0.00	12.57	0.00	1989
	ST	1710	0.00	3.14	0.00	1989
	ST	1711		12.57		1989
	ST	1712	0.00	3.14	0.00	1989
	ST	1713	0.00	9.62	0.00	1989
	ST	1714	0.00	3.14	0.00	1989
	ST	1715	0.00	3.14	0.00	1989
	ST	1716	0.00	3.14	0.00	1989
	ST	1717	0.00	3.14	0.00	1989
	ST	1718	0.00	3.14	0.00	1989
	ST	1719	0.00	3.14	0.00	1989
	ST	1721	0.00	3.14	0.00	1989
	ST	1722	0.00	3.14	0.00	1989
	ST	1723	0.00	3.14	0.00	1989
	ST	1724	0.00	3.14	0.00	1989
	ST	1725	0.00	3.14	0.00	1989
	ST	1726	0.00	3.14	0.00	1989
	ST	1727	0.00	3.14	0.00	1989
	ST	1728	0.00	3.14	0.00	1989
	ST	1729	0.00	3.14	0.00	1989
	ST	1730	0.00	3.14	0.00	1989

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	1731	0.00	3.14	0.00	1989
	ST	1732	0.00	3.14	0.00	1989
	ST	1733	0.10	3.14	0.71	1989
	ST	1734	0.00	3.14	0.00	1989
	ST	1735	0.00	3.14	0.00	1989
	ST	1736	0.00	12.57	0.00	1989
	ST	1739	0.00	3.14	0.00	1989
	TD	1707	0.00	0.10	0.00	1989
	TD	1737	0.00	0.10	0.00	1989
	TD	1738	0.00	0.10	0.00	1989
	TD	1454	0.00	0.10		1994
	TD	1458	0.00	0.10	0.00	1994
				123.31	**0.71**	
			UPC 70	**152.97**	**449.37**	
71	Solid					
	ST	2174				
	ST	2175				
	ST	2176				
	ST	2177				
	ST	2178				
	ST	2179				
	ST	2180				
			UPC 71			
72	Solid					
	ST	2143		7.07		
	ST	2144		3.14		
	ST	2145		3.14		
				13.35		
			UPC 72	**13.35**		
73	Solid					
	ST	2142		0.79		
				0.79		
			UPC 73	**0.79**		
74	Infiltrating					
	DI	414	3.43	0.10	20.58	1994
	DI	415	3.30	0.10	19.80	1994
	DI	416	6.12	0.10	36.72	1994
	DI	417	3.05	0.10	18.30	1994
	DI	418	3.10	0.10	18.60	1994
	DI	419	3.26	0.10	19.56	1994
	DI	420	4.43	0.10	26.58	1994
	DI	421	3.06	0.10	18.36	1994

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	DI	427	3.10	0.10	18.60	1994
	DI	428	3.55	0.10	21.30	1994
	ST	14	9.00	3.14	63.62	1994
	ST	16	8.20	3.14	57.96	1994
	ST	18	8.00	3.14	56.55	1994
	ST	19	7.60	3.14	53.72	1994
	ST	21	7.95	3.14	56.20	1994
	ST	23	3.93	7.07	49.39	1994
	ST	653	6.30	3.14	44.53	1994
	ST	707	8.50	3.14	60.08	1994
				30.04	**660.45**	
			UPC 74	**30.04**	**660.45**	
75	Infiltrating					
	DI	498	3.70	0.10	22.20	1989
	DI	499	1.00	0.10	6.00	1989
				0.20	**28.20**	
75	Solid					
	DI	1765	0.20	0.10	1.02	
	ST	2181		3.14		
				3.24	**1.02**	
			UPC 75	**3.44**	**29.22**	
77	Solid					
	DI	1838				
			UPC 77			
78	Infiltrating					
	DI	452	3.00	0.10	18.00	1997
	DI	453	2.80	0.10	16.80	1997
	DI	454	2.50	0.10	15.00	1997
	DI	455	2.70	0.10	16.20	1997
	DI	456	3.00	0.10	18.00	1997
	DI	457	2.70	0.10	16.20	1997
	DI	500	3.00	0.10	18.00	1997
	DI	501	0.80	0.10	3.20	1997
	DI	502	3.40	0.10	20.40	1997
	DI	503	2.70	0.10	16.20	1997
	DI	504	3.10	0.10	18.60	1997
	DI	505	2.85	0.10	17.10	1997
	DI	506	3.00	0.10	18.00	1997
	DI	507	3.10	0.10	18.60	1997
	DI	508	3.40	0.10	20.40	1997
	DI	509	2.50	0.10	15.00	1997
	DI	510	3.00	0.10	18.00	1997
	ST	165	0.92	3.14	6.50	1997

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	166	0.00	3.14	0.00	1997
	ST	168	3.24	3.14	22.90	1997
	ST	169	4.78	3.14	33.79	1997
	ST	170	6.00	3.14	42.41	1997
	ST	171	0.71	3.14	5.02	1997
	ST	172	0.95	3.14	6.72	1997
	ST	173	6.10	3.14	43.12	1997
	ST	174	6.40	3.14	45.24	1997
	ST	175	1.90	3.14	13.43	1997
	ST	176	3.60	3.14	25.45	1997
	ST	177	4.40	3.14	31.10	1997
	ST	178	2.80	3.14	19.79	1997
	ST	179	5.50	3.14	38.88	1997
	ST	180	5.67	3.14	40.08	1997
	ST	181	3.10	3.14	21.91	1997
	ST	182	3.40	3.14	24.03	1997
	ST	183	4.05	3.14	28.63	1997
	ST	184	4.95	3.14	34.99	1997
	ST	185	4.80	3.14	33.93	1997
	ST	187	0.35	3.14	2.47	1997
	ST	244	5.22	3.14	36.90	1997
	ST	662	4.00	3.14	28.27	1997
	ST	663	4.05	3.14	28.63	1997
	ST	664	2.00	3.14	14.14	1997
	ST	665	3.50	3.14	24.74	1997
	ST	666	4.42	3.14	31.24	1997
	ST	667	5.00	3.14	35.34	1997
	ST	716	4.05	3.14	28.63	1997
	ST	717	3.28	3.14	23.18	1997
	ST	718	1.70	3.14	12.02	1997
	ST	719	2.90	3.14	20.50	1997
	ST	720	4.22	3.14	29.83	1997
	ST	721	3.40	3.14	24.03	1997
	ST	2146		3.14		2008
	ST	2146		3.14		2009
				114.77	**1141.54**	
78	Solid					
	DI	1478		0.10		1997
	DI	1479	0.05	0.10	0.13	1997
	SD	1466	0.00			1997
	SD	1467	0.00			1997
	SD	1468	0.00			1997
	SD	1469	0.00			1997

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	TD	1470		0.10		1997
	TD	1471		0.10		1997
	TD	1472		0.10		1997
	TD	1473		0.10		1997
	TD	1474		0.10		1997
	TD	1475		0.10		1997
	TD	1476		0.10		1997
	TD	1477		0.10		1997
				0.98	**0.13**	
			UPC 78	**115.75**	**1141.67**	
79	Infiltrating					
	DI	1420	4.15	0.10	24.90	2008
	ST	1376	4.20	3.14	29.69	2008
	ST	1379	3.65	7.07	45.87	2008
	ST	1380	5.80	3.14	41.00	2008
	ST	1381	3.85	3.14	27.21	2008
	ST	1393	4.05	3.14	28.63	2008
	ST	1394	5.27	7.07	66.22	2008
	ST	1398	7.50	3.14	53.01	2008
				29.94	**316.53**	
79	Solid					
	ST	1378	3.00	3.14	21.21	2008
	ST	1391	4.46	7.07	56.05	2008
	ST	1392	0.50	7.07	6.28	2008
	ST	1399	0.10	3.14	0.71	2008
	ST	1620	0.00	7.07	0.00	2008
	ST	1621	0.00	7.07	0.00	2008
				34.56	**84.24**	
			UPC 79	**64.50**	**400.78**	
80	Infiltrating					
	ST	167	6.50	3.14	45.95	1997
	ST	186	5.10	3.14	36.05	1997
	ST	1832	2.50	3.14	17.67	2010
	ST	1833	3.60	3.14	25.45	2010
				12.57	**125.11**	
			UPC 80	**12.57**	**125.11**	
81	Infiltrating					
	DI	1634	0.10	0.10	2.61	1993
				0.10	**2.61**	
81	Solid					
	DI	2134		0.10		
	DI	2136		0.10		
	DI	2137		0.10		
				0.29		

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
			UPC 81	0.39	2.61	
82	Infiltrating					
	DI	446	3.15	0.10	18.90	1993
	DI	447	2.95	0.10	17.70	1993
	DI	1636	0.10	0.10	2.26	1993
	ST	200	2.00	3.14	14.14	1993
	ST	201	3.50	3.14	24.74	1993
				6.58	**77.74**	
82	Solid					
	DI	2135		0.10		
	ST	1635	0.00	3.14	0.00	1993
	ST	1629	0.35	3.14	2.47	2001
	ST	1630	0.00	7.07	0.00	2001
	ST	1631	0.00	3.14	0.00	2001
	ST	1632	0.00	7.07	0.00	2001
	ST	1633	0.00	3.14	0.00	2001
				26.80	**2.47**	
			UPC 82	**33.38**	**80.21**	
83	Infiltrating					
	DI	448	2.90	0.10	17.40	1993
	DI	449	3.25	0.10	19.50	1993
	DI	450	3.25	0.10	19.50	1993
	DI	451	3.70	0.10	22.20	1993
	DI	1637	0.10	0.10	2.61	1993
	DI	1638	0.10	0.10	5.62	1993
	DI	1639	0.20	0.10	5.22	1993
	DI	1640	0.10	0.10	2.61	1993
	DI	1641	0.10	0.10	5.75	1993
	DI	1642	0.00	0.10	0.00	1993
	DI	1643	0.60	0.10	32.88	1993
	ST	161	3.90	3.14	27.57	1993
	ST	163	2.10	7.07	26.39	1993
	ST	164	1.90	7.07	23.88	1993
	ST	661	5.00	3.14	35.34	1993
	ST	715	5.10	3.14	36.05	1993
				24.64	**282.52**	
			UPC 83	**24.64**	**282.52**	
84	Infiltrating					
	DI	1421	3.15	0.10	18.90	2008
	DI	1422	3.10	0.10	18.60	2008
	DI	1423	0.00	0.10	0.00	2008
	DI	1424	0.00	0.10	0.00	2008
	DI	1425	0.00	0.10	0.00	2008
	DI	1426	0.00	0.10	0.00	2008

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	162	2.70	3.14	19.09	1993
	ST	1382	6.50	7.07	81.68	2008
	ST	1385	0.00	7.07	0.00	2008
	ST	1387	0.10	7.07	1.26	2008
	ST	1388	0.00	7.07	0.00	2008
	ST	1389	0.00	7.07	0.00	2008
	ST	1395	5.46	7.07	68.61	2008
	ST	1396	3.75	3.14	26.51	2008
	ST	1397	0.50	7.07	6.28	2008
	ST	1400	4.25	7.07	53.41	2008
	ST	1418	0.20	7.07	2.51	2008
	ST	1419	0.00	7.07	0.00	2008
				77.56	**296.85**	
84	Solid					
	SD	1615	0.00	7.07	0.00	2008
	SD	1618	0.00	7.07	0.00	2008
	SD	1619		0.10		2008
	ST	1383	1.70	7.07	21.36	2008
	ST	1384	1.20	7.07	15.08	2008
	ST	1386	0.40	7.07	5.03	2008
	ST	1390	0.00	7.07	0.00	2008
	ST	1402	0.00	7.07	0.00	2008
	ST	1403	0.00	3.14	0.00	2008
	ST	1404	0.00	7.07	0.00	2008
	ST	1405	0.00	7.07	0.00	2008
	ST	1408	2.50	7.07	31.42	2008
	ST	1409	1.75	7.07	21.99	2008
	ST	1410	2.36	7.07	29.66	2008
	ST	1411	2.10	7.07	26.39	2008
	ST	1412	0.70	7.07	8.80	2008
	ST	1413	0.55	7.07	6.91	2008
	ST	1414	0.25	7.07	3.14	2008
	ST	1415	0.08	7.07	1.01	2008
	ST	1416	0.00	7.07	0.00	2008
	ST	1417	0.00	7.07	0.00	2008
	TD	1616	0.00	0.10	0.00	2008
	TD	1617	0.00	0.10	0.00	2008
				137.74	**170.78**	
			UPC 84	**215.30**	**467.62**	
85	Infiltrating					
	ST	1434	0.15	7.07	1.88	2009
	ST	1435	5.00	7.07	62.83	2009
	ST	1436	5.22	3.14	36.90	2009

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	1438	4.77	7.07	59.94	2009
	ST	1439	0.87	7.07	10.93	2009
	ST	1789	3.00	7.07	37.70	2010
	ST	1790	3.00	7.07	37.70	2010
				45.55	**247.89**	
			UPC 85	**45.55**	**247.89**	
86	Infiltrating					
	DI	399	3.50	0.10	21.00	1994
	DI	400	3.51	0.10	21.06	1994
	DI	401	3.42	0.10	20.52	1994
	DI	402	3.46	0.10	20.76	1994
	DI	403	3.37	0.10	20.22	1994
	DI	404	3.36	0.10	20.16	1994
	DI	405	0.00	0.10	0.00	1994
	DI	406	3.74	0.10	22.44	1994
	DI	422	4.20	0.10	25.20	1994
	DI	423	3.63	0.10	21.78	1994
	DI	424	3.40	0.10	20.40	1994
	DI	425	2.45	0.10	14.70	1994
	DI	426	3.19	0.10	19.14	1994
	DI	459	3.20	0.10	19.20	1994
	DI	460	2.25	0.10	13.50	1994
	DI	461	4.12	0.10	24.72	1994
	DI	462	3.17	0.10	19.02	1994
	DI	463	3.31	0.10	19.86	1994
	DI	464	0.36	0.10	2.16	1994
	DI	465	3.07	0.10	18.42	1994
	DI	466	0.08	0.10	0.48	1994
	DI	467	3.00	0.10	18.00	1994
	DI	468	2.62	0.10	15.72	1994
	DI	469	3.31	0.10	19.86	1994
	DI	470	3.30	0.10	19.80	1994
	DI	471	3.24	0.10	19.44	1994
	DI	472	3.55	0.10	21.30	1994
	DI	473	3.08	0.10	18.48	1994
	DI	1674	0.00	0.10	0.00	1994
	DI	1675	0.00	0.10	0.00	1994
	DI	1690	0.00	0.10	0.00	1994
	ST	5	3.15	7.07	39.58	1994
	ST	8	4.10	7.07	51.52	1994
	ST	9	7.85	3.14	55.49	1994
	ST	24	3.15	3.14	22.27	1994
	ST	55	3.90	7.07	49.01	1994

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	ST	188	5.20	7.07	65.35	1994
	ST	189	4.00	7.07	50.27	1994
	ST	190	4.20	7.07	52.78	1994
	ST	191	3.40	7.07	42.73	1994
	ST	192	4.40	7.07	55.29	1994
	ST	193	8.50	3.14	60.08	1994
	ST	194	4.20	7.07	52.78	1994
	ST	204	2.55	3.14	18.02	1994
	ST	205	2.72	3.14	19.23	1994
	ST	652	3.30	3.14	23.33	1994
	ST	654	5.10	3.14	36.05	1994
	ST	655	6.60	3.14	46.65	1994
	ST	656	7.17	3.14	50.68	1994
	ST	657	5.20	3.14	36.76	1994
	ST	668	4.40	3.14	31.10	1994
	ST	669	5.15	3.14	36.40	1994
	ST	706	4.50	3.14	31.81	1994
	ST	708	6.30	3.14	44.53	1994
	ST	709	7.90	3.14	55.84	1994
	ST	710	7.50	3.14	53.01	1994
	ST	711	6.05	3.14	42.76	1994
	ST	722	5.82	3.14	41.14	1994
	ST	723	3.85	7.07	48.38	1994
	ST	1645	3.40	3.14	24.03	1994
				133.42	**1734.22**	
86	Solid					
	DI	2132		0.10		
	SD	1459	1.10			1994
	SD	1460	0.60			1994
	SD	1461	1.00			1994
	SD	1462	1.00			1994
	SD	1465				1994
	SD	1644				1994
	ST	1539		3.14		1994
	ST	1540		3.14		1994
	TD	1450	0.00	0.10	0.00	1994
	TD	1451	0.00	0.10	0.00	1994
	TD	1452	0.00	0.10	0.00	1994
	TD	1453	0.00	0.10	0.00	1994
	TD	1455	0.00	0.10	0.00	1994
	TD	1456	0.00	0.10	0.00	1994
	TD	1457	0.00	0.10	0.00	1994
	V	1463		0.10		1994

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
	V	1464		0.10		1994
				7.26	**0.00**	
			UPC 86	**140.68**	**1734.22**	
88	Infiltrating					
	DI	1261	3.09	0.10	18.54	2007
	ST	1271	3.25	7.07	40.84	2007
	ST	1274	5.42	7.07	68.11	2007
	ST	1275	5.40	3.14	38.17	2007
				17.38	**165.66**	
88	Solid					
	DI	1260	0.00	0.10	0.00	2007
	ST	1272	0.05	3.14	0.35	2007
				3.24	**0.35**	
			UPC 88	**20.62**	**166.01**	
89	Infiltrating					
	DB	1791	3.00	1.77	14.73	2010
	DB	1792	3.00	1.77	14.73	2010
	DB	1793	3.00	1.77	14.73	2010
	DB	1794	2.76	1.77	13.55	2010
	DB	1795	2.74	1.77	13.45	2010
	DB	1796	3.00	1.77	14.73	2010
	DB	1797	3.00	1.77	14.73	2010
	DB	1798	2.00	1.77	9.82	2010
	DB	1799	3.00	1.77	14.73	2010
	DB	1800	3.00	1.77	14.73	2010
	DB	1801	3.00	1.77	14.73	2010
	DB	1802	3.00	1.77	14.73	2010
	DB	1803	3.00	1.77	14.73	2010
	ST	1437	0.10	3.14	0.71	2009
	ST	1440	4.10	7.07	51.52	2009
	ST	1441	4.30	7.07	54.04	2009
	ST	1442	4.71	7.07	59.19	2009
	ST	1443	4.61	3.14	32.59	2009
				50.46	**382.12**	
89	Solid					
	DI	1766	0.00	0.10	0.00	
	DI	1767	0.00	0.10	0.00	
	DI	1768	0.00	0.10	0.00	
	DI	1769	0.00	0.10	0.00	
	DI	1770	0.00	0.10	0.00	
	DI	1771	0.05	0.10	0.58	
				0.59	**0.58**	
			UPC 89	**51.05**	**382.69**	

UPC	TYPE	NID	Sump Depth (ft)	Area (sf)	Volume (cf)	Year Constructed
90	Infiltrating					
	DI	1265	3.00	0.10	18.00	2007
	DI	1266	3.10	0.10	18.60	2007
	DI	1267	2.90	0.10	17.40	2007
	DI	1268	3.30	0.10	19.80	2007
	ST	1274	5.42	7.07	68.11	2007
	ST	1276	5.40	3.14	38.17	2007
	ST	1277	4.40	7.07	55.29	2007
				17.67	**235.37**	
90	Solid					
	DI	1264	0.00	0.10	0.00	2007
				0.10	**0.00**	
			UPC 90	**17.77**	**235.37**	
92	Infiltrating					
	DI	1263	3.08	0.10	18.48	2007
				0.10	**18.48**	
92	Solid					
	DI	1262	0.00	0.10	0.00	2007
				0.10	**0.00**	
			UPC 92	**0.20**	**18.48**	
94	Solid					
	ST	1839		9.62		
	ST	1839		9.62		
	ST	1840		9.62		
	ST	1840		9.62		
	ST	1841		7.07		
	ST	1841		7.07		
				52.62		
			UPC 94	**52.62**		

BMP DATABASE: Treatment Parameters

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 1									
Gray Ave Detention Basin									
11	**95104**	**1989**	31833	17351	4.25	24592	104516		
					TOTAL	**24592**	**104516**		
UPC 2									
Sixth Ave Detention Basin									
12	**95104**	**1989**	6183	1777	4.18	3980	16617		
Tahoma Maint Yard Basin									
122	**0**	**1995**	1111	632	2.00	871	1742		
					TOTAL	**4851**	**18359**		
UPC 3									
Fourth Ave Stream Enviroment Zone									
13	**95104**	**1989**	640	409	1.40	524	734		
First Ave Detention Basin #1									
14	**95104**	**1989**	5451	1210	2.80	3331	9325		
First Ave Detention Basin #2									
15	**95104**	**1989**	4213	595	2.00	2404	4808		
First Ave Detention Basin #3									
16	**95104**	**1989**	3100	1063	1.00	2081	2081		
					TOTAL	**8340**	**16948**		
UPC 8									
Vally View Basin									
17	**95135**	**1993**	650	500	1.50	575	862		
Lakeview Basin									
18	**95135**	**1993**	2341	850	1.02	1596	1627		
					TOTAL	**2171**	**2489**		
UPC 9									
Bay View Basin									
19	**95102**	**1987**							
					TOTAL				

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 11									
Youngman Basin									
20	**95141**	**2004**	8778	2802	5.90	5790	34161		
					TOTAL	**5790**	**34161**		
UPC 12									
Mountain Dr Basin									
21	**95128**	**1995**	1860	174	5.50	1017	5594		
					TOTAL	**1017**	**5594**		
UPC 14									
King George Basin									
25	**95129**	**1992**	425	149	4.50	287	1292		
King George Sediment Bowl									
26	**95129**	**1992**	60	30	1.00	45	45		
Victoria Cir									
27	**95129**	**1992**	217	25	2.20	121	266		
Winston Way Sediment Basin									
28	**95129**	**1992**	64	35	0.70	50	35		
Victoria Basin #2									
29	**95129**	**1992**	1112	604	2.80	858	2402		
					TOTAL	**1361**	**4040**		
UPC 15									
Tamarack Basin									
30	**95145**	**2004**	4876	960	3.50	2918	10213		
					TOTAL	**2918**	**10213**		
UPC 18									
DICKSONS LITTLE PIT									
124	**95156**	**2002**							
					TOTAL				

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 19									
Sugar Pine Basin									
31	**95156**	**2002**	8256	708	2.50	4482	11205		
Hammond Basin									
32	**95156**	**2002**	5231	1155	2.50	3193	7982		
CTC Basin									
33	**95156**	**2002**	1650	245	4.50	948	4264		
					TOTAL	**8623**	**23451**		
UPC 20									
BRUINSSLOT LITTLE SAND PIT									
125	**95156**	**2002**							
					TOTAL				
UPC 21									
Cascade Basin #1									
34	**95156**	**2002**	762	115	4.55	438	1995		
Cascade Basin #2									
35	**95156**	**2002**	315	25	2.00	170	340		
Cascade Basin #3									
36	**95156**	**2002**	670	50	2.50	360	900		
Cascade Basin #4									
37	**95156**	**2002**	400	25	2.00	212	425		
EBRIGHTS BIG PIT									
123	**95156**								
					TOTAL	**1180**	**3660**		
UPC 23									
Boulder Mtn Basin									
38	**97676**	**2007**	2020	451	1.30	1235	1606		
					TOTAL	**1235**	**1606**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 29									
Martin Ave Sediment Basin									
116	**95125**	**1996**	9600	4800	1.00	7200	7200		
Barbara Infiltration Basin #1									
117	**95125**	**1996**	2325	1658	1.00	1992	1992		
Barbara Infiltration Basin #2									
118	**95125**	**1996**	2071	1496	0.60	1784	1070		
Sierra Infiltration Basin									
119	**95125**	**1996**	1359	448	1.50	904	1355		
					TOTAL	**11880**	**11617**		
UPC 31									
Chinquapin Infiltration Basin # 1									
109	**95125**	**1995**	1363	559	1.00	961	961		
Chinquapin Infiltration Basin # 2									
110	**95125**	**1995**	1360	458	1.00	909	909		
Chinquapin Infiltration Basin # 3									
111	**95125**	**1995**	2117	659	1.00	1388	1388		
Chinquapin Infiltration Basin # 4									
112	**95125**	**1995**	1640	749	1.00	1194	1194		
Chinquapin Infiltration Basin # 5									
113	**95125**	**1995**	1832	890	1.00	1361	1361		
Chinquapin Infiltration Basin # 6									
114	**95125**	**1995**	2511	1004	1.00	1758	1758		
Chinquapin Infiltration Basin # 7									
115	**95125**	**1995**	2810	1488	1.00	2149	2149		
					TOTAL	**9720**	**9720**		
UPC 32									
Black Bart Infiltration Basin # 3									
107	**95125**	**1995**	3553	447	3.00	2000	6000		
Black Bart Infiltration Basin # 2									
108	**95125**	**1995**	338	24	0.50	181	90		
					TOTAL	**2181**	**6090**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 33									
Ormsby Basin									
106	**95125**	**1995**	3957	1692	1.00	2824	2824		
					TOTAL	**2824**	**2824**		
UPC 35									
Black Bart Basin									
4	**95139**	**2001**	45	32	1.00	38	38		
Black Bart East Basin									
104	**95139**	**2001**	5000	1600	1.80	3300	5940		
					TOTAL	**3338**	**5978**		
UPC 36									
Cold Creek Basin									
103	**95139**	**2001**	9272	5719	1.50	7496	11243		
					TOTAL	**7496**	**11243**		
UPC 40									
Black Bart Ct Basin									
105	**95125**	**1995**	1156	218	1.00	687	687		
					TOTAL	**687**	**687**		
UPC 44									
Kokanee Basin									
101	**95139**	**2001**	15585	7503	3.00	11544	34632		
Cattlemans Basin									
102	**95139**	**2001**	21531	7486	2.50	14508	36271		
					TOTAL	**26052**	**70903**		
UPC 56									
Glen Eagles Basin									
98	**95154**	**2005**	2984	377	2.00	1680	3361		Essential
Boren West Basin									
99	**95154**	**2005**	2324	299	2.00	1312	2623		Essential
					TOTAL	**2992**	**5984**		
UPC 57									
Boren East Basin									
9	**95154**	**2004**	665	204	2.50	434	1086		Key
					TOTAL	**434**	**1086**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 59									
Nottaway Basin									
6	95154	2004	5400	2529		3964			Essential
Nottaway Sand Filter									
10	95154	2004							Essential
Nottaway Vault									
128	95154	2004							Essential
					TOTAL	**3964**			
UPC 63									
Washoan Basin									
100	95184	2007	1535	332	1.00	934	934		
Kulow Basin									
120	95184	2007	1365	562	1.00	964	964		
					TOTAL	**1898**	**1898**		
UPC 64									
Frontage Rd Bioretention Area									
97	95185	2005	5128	1356	0.00	3242	0		
					TOTAL	**3242**	**0**		
UPC 65									
Hekpa Basin # 1									
95	95142	1998	4166	1681	2.50	2924	7309		
					TOTAL	**2924**	**7309**		
UPC 66									
Hekpa Basin # 2									
96	95142	1998	7872	4268	3.40	6070	20638		
					TOTAL	**6070**	**20638**		
UPC 67									
Victoria Basin #1									
22	95129	1992	1248	480	2.00	864	1728		
Sierra Dr Basin									
23	95129	1992	5027	3209	4.50	4118	18531		
Sierra Dr Sediment Bowl									
24	95129	1992	124	36	1.50	80	120		
					TOTAL	**5062**	**20379**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 69									
Hwy 50 Basin # 13									
90	**95116**	**1993**	938	938	0.00	938	0		
Hwy 50 Basin # 14									
91	**95116**	**1993**	768	768	0.00	768	0		
Hwy 50 Basin # 15									
92	**95116**	**1993**	808	808	0.00	808	0		
					TOTAL	**2514**	**0**		
UPC 70									
Celio Lane Basin									
58	**95126**	**1994**	641	272	2.00	456	913		
Blackfoot Road Basin									
59	**95126**	**1994**	2835	1103	1.50	1969	2954		
Comanche Basin									
60	**95126**	**1994**	154	13	1.00	84	84		
Apache Basin #1									
61	**95126**	**1994**	618	618	0.50	618	309		
Evelyn Basin									
94	**95112**	**1988**			3.00				
					TOTAL	**3127**	**4260**		
UPC 72									
Boca Raton Detention Basin "A"									
56	**0**	**1987**			1.50				
Boca Raton Detention Basin "B"									
57	**0**	**1987**	21543	21543	1.20	21543	25852		
					TOTAL	**21543**	**25852**		
UPC 73									
Southern Pines Basin									
55	**95123**	**1995**							
					TOTAL				
UPC 74									
Sitka Cir. Basin									
62	**95126**	**1994**	1590	294	2.50	942	2355		
					TOTAL	**942**	**2355**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 78									
Elk Point Dr Basin #1									
39	**97677**	**2007**	550	255	1.50	402	604		
Elk Point Dr Basin #2									
40	**95133**	**1997**	3787	1216	3.00	2502	7504		
Elk Point Dr Basin #3									
41	**97677**	**2007**	840	840	1.00	840	840		
Eagle Lane Basin									
42	**97677**	**2007**	560	560	1.00	560	560		
Coyote Ridge Cir Basin									
43	**95133**	**1997**	2391	424	1.00	1408	1408		
Mountain Trout									
44	**95133**	**1997**	3872	806	1.80	2339	4210		
Angora Creek Stub Basin #1									
45	**95133**	**1997**	1705	548	1.57	1126	1769		
Angora Creek Stub Basin #2									
46	**95133**	**1997**	3759	1644	2.04	2702	5511		
					TOTAL	**11879**	**22406**		
UPC 81									
Hwy 50 Sedimentation Basin									
52	**9512069**	**1993**	1350	500	2.00	925	1850		
OTOMITES DETENTION /SEDIMENTATION BASIN									
126	**9512069**	**1991**	1375	768	1.00	1072	1072		
					TOTAL	**1997**	**2922**		
UPC 82									
Pooewin Detention/Sedimentation Basin									
49	**9512069**	**1993**	4608	4608	5.00	4608	23042		
Osgood Creek Detention/Sedimentation Basin									
50	**9512069**	**1991**	2533	680	2.00	1606	3213		
San Bernardino Detention/Sedimentation Basin									
51	**9512069**	**1991**	2091	875	1.50	1483	2224		
					TOTAL	**7697**	**28479**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 83									
DELAWARE DETENTION / SEDIMENTATION BASIN									
127	**9512069**	**1993**	800	140	3.00	470	1410		
					TOTAL	**470**	**1410**		
UPC 84									
Lake Tahoe Blvd Basin									
47	**95160**	**2008**	1050	295	1.23	672	827		
North Upper Truckee Basin									
48	**95160**	**2008**	1355	266	1.00	810	810		
					TOTAL	**1482**	**1637**		
UPC 85									
Hwy 50 Basin # 1									
78	**95116**	**1992**	1362	1362	0.00	1362	0		
Hwy 50 Basin # 2									
79	**95116**	**1992**	1501	1501	0.00	1501	0		
Hwy 50 Basin # 16									
93	**95116**	**1992**	5664	5664	0.00	5664	0		
					TOTAL	**8527**	**0**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
UPC 86									
Apache Basin #2									
63	**95126**	**1994**	688	155	3.00	422	1264		
Mohican Dr Basin #1									
64	**95126**	**1994**	260	136	1.00	198	198		
Mohican Dr Basin #1A									
65	**95126**	**1994**	240	40	1.00	140	140		
Mohican Dr Basin #2									
66	**95126**	**1994**	60455	26987	1.00	43721	43721		
Mohican Dr Basin #3									
67	**95126**	**1994**	1004	263	1.50	634	950		
Mohican Dr Basin #3A									
68	**95126**	**1994**	191	41	1.00	116	116		
Mohican Dr Basin #4									
69	**95126**	**1994**	543	110	1.40	326	457		
Mohican Dr Basin #4A									
70	**95126**	**1994**	236	39	1.00	138	138		
Mohican Dr Basin #4B									
71	**95126**	**1994**	244	53	1.00	148	148		
Mohican Dr Basin #5									
72	**95126**	**1994**	482	75	1.00	278	278		
Chippewa St Basin									
73	**95126**	**1994**	393	194	1.50	294	440		
Apache Basin #3									
74	**95126**	**1994**	470	470	1.00	470	470		
Apache Basin #4									
75	**95126**	**1994**	309	133	0.50	221	110		
Ottawa Dr Basin									
76	**95126**	**1994**	2176	374	2.50	1275	3188		
Ottawa Ct Basin									
77	**95126**	**1994**	121	64	1.00	92	92		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance
Hwy 50 Basin # 3									
80	**95116**	**1992**	2428	2428	0.00	2428	0		
Hwy 50 Basin # 4									
81	**95116**	**1992**	423	423	0.00	423	0		
Hwy 50 Basin # 5									
82	**95116**	**1992**	1104	1104	0.00	1104	0		
Hwy 50 Basin # 6									
83	**95116**	**1992**	906	906	0.00	906	0		
Hwy 50 Basin # 7									
84	**95116**	**1992**	1156	1156	0.00	1156	0		
Hwy 50 Basin # 8									
85	**95116**	**1992**	850	850	0.00	850	0		
Hwy 50 Basin # 9									
86	**95116**	**1993**	1103	1103	0.00	1103	0		
Hwy 50 Basin # 10									
87	**95116**	**1993**	1196	1196	0.00	1196	0		
Hwy 50 Basin # 11									
88	**95116**	**1993**	1423	1423	0.00	1423	0		
Hwy 50 Basin # 12									
89	**95116**	**1993**	1098	1098	0.00	1098	0		
					TOTAL	**60160**	**51710**		

UPC 88

Hwy 89 Bioretention Area									
53	**95151**	**2007**	3613	1904	0.50	2758	1379		
Grass Lake Rd Bioretention Area									
54	**95151**	**2007**	2169	1057	1.00	1613	1613		
					TOTAL	**4371**	**2992**		

UPC 89

Shakori Maint. Yard Basin									
121	**0**		761	761	0.00	761	0		
					TOTAL	**761**	**0**		

TID	Project ID	Year Built	Area at Spillway (sf)	Area at Bottom (sf)	Average Storage Depth (ft)	Footprint (sf)	Calculated Volume at Outfall (cf)	Measured Percolation Rate (in/hr)	WQ Importance

WQ (Water Quality) Importance (Lake Clarity Crediting Program Handbook, September 2009)

Essential: Responsible for greater than 25% load reduction (average annual)

Key: Responsible for 2% to 30% load reduction (average annual)

Supporting: Responsible for conveyance, source control, and/or pre-treatment (average annual)

APPENDIX D

**** Scenario #2C: Use any updated parametersto reflect the pre-2004 Baseline conditions - NO TREATMENT**

PLRM - PRE-2004 NO TREATMENT

							Pollutant Load (lbs/yr)									
PLRM assigned Project #	EDC Assigned UPC	Total Area (Acres)	Surface Runoff (Acre-Feet)	Total Precip (In/Yr)	Total Precip (Acre-Feet / Year)	% Surface Runoff	TSS	FSP	TP	SRP	TN	DIN	(lbs/yr /acre)	% FSP of Total TSS	Evaporation Loss (Acre-Feet)	% of Precip Available for infiltration and washoff
1	**1**	**278.1685**	55.16	33.80	783.93	7.0%	31303.81	18351.27	83.67	13.81	362.31	43.16	65.97	**59%**	218.91	**72%**
2	**2**	**59.365**	21.65	33.28	160.12	13.5%	11704.30	6784.97	32.11	6.68	146.33	18.49	114.29	**58%**	41.7	**74%**
3	**3**	**343.8679**	71.14	33.38	950.31	7.5%	25486.20	12143.48	84.18	14.11	442.28	54.19	35.31	**48%**	269.97	**72%**
4	**4**	**174.221**	6.68	30.79	441.54	1.5%	3454.59	1924.27	9.41	1.26	45.53	5.70	11.04	**56%**	146.165	**67%**
78	**5**	**73.0754**	1.26	30.89	187.94	0.7%	780.67	477.70	2.15	1.04	7.68	0.85	6.54	**61%**	60.91	**68%**
5	**6**	**70.0828**	4.86	31.08	169.94	2.9%	3030.43	1823.89	8.37	2.84	31.92	3.65	26.02	**60%**	56.59	**67%**
6	**7**	**40.429**	5.73	31.23	99.44	5.8%	3157.06	1823.76	9.05	1.87	38.65	4.58	45.11	**58%**	31.89	**68%**
7	**8**	**49.3119**	10.38	31.23	122.59	8.5%	5764.80	3243.15	16.66	2.72	71.45	8.47	65.77	**56%**	36.33	**70%**
79	**9**	**4.4186**	0.29	30.81	11.3	2.6%	224.55	134.09	0.51	0.05	2.35	0.31	30.35	**60%**	3.68	**67%**
80	**10**	**25.7291**	6.52	30.81	66.26	9.8%	2654.91	1501.58	8.06	1.36	34.86	4.07	58.36	**57%**	19.82	**70%**
81	**11**	**98.2667**	8.81	30.81	235.46	3.7%	4086.33	2241.45	12.78	2.28	56.68	6.60	22.81	**55%**	74.79	**68%**
82	**12**	**51.2692**	4.76	33.52	137.46	3.5%	2685.70	1519.16	7.74	1.27	32.66	3.83	29.63	**57%**	40.33	**71%**
83	**13**	**8.0665**	1.86	33.52	19.28	9.6%	1038.38	591.98	2.84	0.40	13.13	1.63	73.39	**57%**	5.45	**72%**
84	**14**	**108.6092**	25.69	33.52	294.21	8.7%	16176.79	9223.63	41.39	5.45	186.75	23.29	84.92	**57%**	85.28	**71%**
85	**15**	**24.5274**	4.63	33.52	66.23	7.0%	2362.99	1309.59	7.16	1.23	30.64	3.55	53.39	**55%**	18.89	**71%**
86	**16**	**29.6508**	6.57	33.52	78.52	8.4%	3758.18	2173.88	10.62	1.64	45.68	5.45	73.32	**58%**	22.36	**72%**
87	**17**	**42.1908**	11.28	33.52	114.88	9.8%	5495.64	2979.29	17.53	3.31	72.90	8.38	70.61	**54%**	32.01	**72%**
8	**18**	**1.2775**				-							-	-		-
9	**19**	**44.185**	0.1	29.48	108.58	0.1%	24.90	11.82	0.13	0.04	0.52	0.05	0.27	**47%**	37.23	**66%**
10	**20**	**18.1471**	0.22	29.48	44.71	0.5%	42.28	18.14	0.28	0.08	1.07	0.09	1.00	**43%**	15.19	**66%**
11	**21**	**44.5511**	**1.99**	29.48	109.56	1.8%	1058.42	583.78	2.67	0.28	14.19	1.87	13.10	**55%**	37.21	**66%**
12	**22**	**255.7173**	8.92	40.00	852.41	1.0%	3645.23	1944.05	12.96	2.63	54.48	5.96	7.60	**53%**	211.35	**75%**
13	**23**	**20.4034**	5.81	39.48	67.13	7.3%	6364.04	3941.79	13.45	1.62	49.02	6.08	165.23	**63%**	15.85	**77%**
14	**24**	**114.5378**	10.55	39.05	372.91	2.8%	6897.97	3965.43	17.55	2.33	77.69	9.66	34.62	**57%**	93.64	**75%**
15	**25**	**105.6594**	6.51	39.05	343.94	1.9%	11948.29	8492.83	20.86	1.87	65.88	8.47	80.38	**71%**	87.55	**75%**
16	**26**	**287.0174**	20.64	38.59	922.86	2.2%	29398.09	20583.19	55.66	6.08	182.98	22.70	71.71	**70%**	236.1	**74%**
17	**27**	**11.842**	14.19	34.95	34.66	40.9%	30240.56	21025.70	53.00	4.68	160.24	20.74	1775.52	**70%**	7.46	**79%**
18	**28**	**235.8398**	1.18	35.79	703.51	0.3%	1860.46	1284.39	3.40	0.29	11.73	1.53	10.87	**69%**	196.17	**72%**
20	**29**	**15.7472**	3.33	22.91	30.16	11.0%	3534.62	2078.65	7.26	0.69	29.00	3.81	132.00	**59%**	12.07	**60%**
19	**30**	**2.6065**	1.42	22.91	4.97	28.6%	1171.44	710.52	2.72	0.30	11.60	1.48	272.60	**61%**	1.64	**67%**
21	**31**	**15.0773**	4.91	23.42	29.5	16.6%	1545.66	679.89	5.82	1.06	29.33	3.47	45.09	**44%**	9.89	**66%**
22	**32**	**15.711**	5.78	22.91	30.18	19.2%	3113.87	1709.85	9.00	1.49	38.45	4.52	108.83	**55%**	10.12	**66%**
23	**33**	**15.8706**	3.93	23.42	30.85	12.7%	1564.24	792.04	5.52	1.09	23.93	2.71	49.91	**51%**	10.29	**67%**
24	**34**	**27.0665**	7.11	23.42	53.09	13.4%	2207.57	1035.75	5.50	1.38	22.09	2.46	38.27	**47%**	16.89	**68%**
25	**35**	**18.7837**	1.04	24.57	38.7	2.7%	1167.80	715.29	2.42	0.22	9.53	1.25	38.08	**61%**	15.29	**60%**
26	**36**	**2.5972**	0.83	23.42	5.07	16.4%	940.65	576.12	1.94	0.18	7.62	1.00	221.82	**61%**	1.79	**65%**
27	**37**	**2.6223**	0.51	23.42	5.07	10.1%	267.14	150.02	0.75	0.11	3.55	0.44	57.21	**56%**	1.95	**62%**
28	**38**	**322.8225**	14.24	28.79	774.44	1.8%	7355.20	4026.82	20.98	3.18	96.60	11.69	12.47	**55%**	265.11	**66%**
29	**39**	**20.5995**	5.64	25.84	44.37	12.7%	3286.27	1799.91	9.12	1.42	39.22	4.71	87.38	**55%**	14.84	**67%**
88	**40**	**143.7299**	16.03	24.57	294.03	5.5%	11436.50	6542.97	28.42	4.06	118.75	14.65	45.52	**57%**	113	**62%**
30	**41**	**23.09**	9.03	27.04	51.85	17.4%	4257.65	2348.77	12.91	2.08	59.57	7.14	101.72	**55%**	15.89	**69%**
31	**42**	**46.4718**	17.38	25.98	100.73	17.3%	6867.78	3580.44	22.14	3.64	109.34	13.18	77.05	**52%**	32.13	**68%**
32	**43**	**11.1318**	4.38	25.98	24.05	18.2%	1501.73	744.64	5.22	0.90	26.83	3.23	66.89	**50%**	7.56	**69%**
33	**44**	**95.8186**	31.61	24.68	197	16.0%	15658.60	8726.35	425.26	6.93	215.36	27.06	91.07	**56%**	66.71	**66%**
34	**45**	**5.6901**	2.67	24.68	11.73	22.8%	770.02	346.55	2.76	0.47	15.51	1.91	60.90	**45%**	3.69	**69%**
35	**46**	**15.0231**	5.85	24.68	31.07	18.8%	1227.10	462.02	5.81	1.26	30.59	3.42	30.75	**38%**	9.76	**69%**

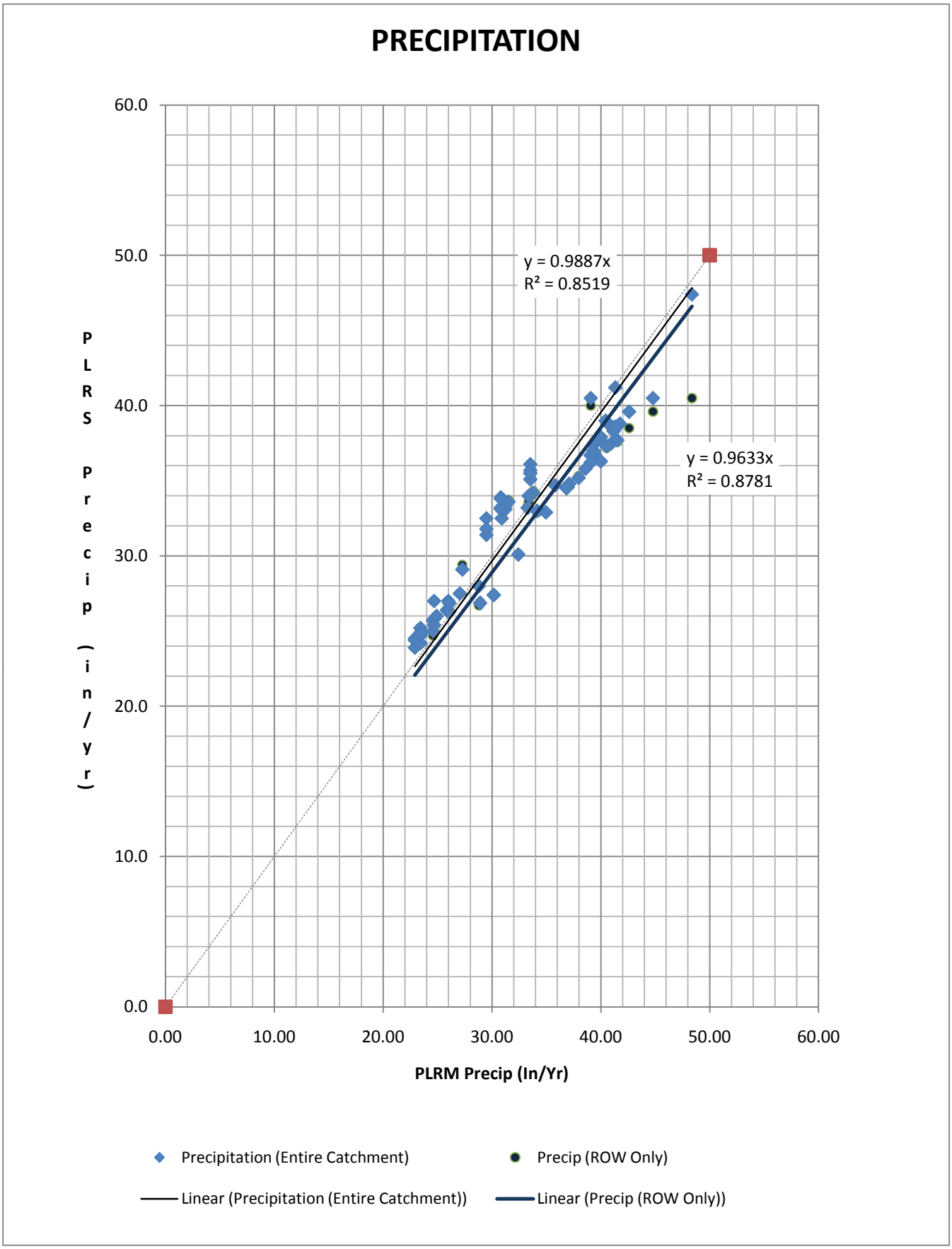
36	**47**	**7.0237**	3.65	24.68	14.61	25.0%	749.69	267.73	3.39	0.68	19.17	2.22	38.12	**36%**	4.33	**70%**
37	**48**	**52.5669**	3.78	26.08	115.88	3.3%	4291.74	2641.82	8.85	0.96	34.51	4.52	50.26	**62%**	43.31	**63%**
38	**49**	**9.4438**	4.33	24.90	19.52	22.2%	1664.57	864.93	5.58	0.99	26.48	3.10	91.59	**52%**	5.89	**70%**
39	**50**	**83.3234**	22.34	26.08	181.34	12.3%	8655.16	4501.24	28.51	4.83	139.45	16.68	54.02	**52%**		**100%**
40	**51**	**10.724**	4.54	28.91	25.79	17.6%	924.98	345.50	4.68	1.08	23.71	2.59	32.22	**37%**	6.95	**73%**
41	**52**	**17.493**	9.19	30.16	43.75	21.0%	2624.91	1194.60	10.05	1.88	52.69	6.19	68.29	**46%**	11.31	**74%**
89	**53**	**15.7909**	6.23	27.27	36.14	17.2%	6954.46	4257.79	14.41	1.35	56.63	7.42	269.64	**61%**	11.59	**68%**
90	**54**	**5.0134**	4.52	32.42	13.78	32.8%	9608.13	6681.62	16.85	1.47	50.98	6.60	1332.75	**70%**	3.48	**75%**
42	**55**	**12.2361**	2.59	34.15	35.02	7.4%	2098.86	1342.48	5.25	0.80	19.20	2.21	109.71	**64%**	9.25	**74%**
43	**56**	**2.1049**	0.93	34.15	5.98	15.6%	677.93	359.36	1.62	0.19	7.43	0.95	170.73	**53%**	1.52	**75%**
44	**57**	**3.4561**	0.96	34.15	9.96	9.6%	670.56	354.17	1.65	0.20	7.50	0.95	102.48	**53%**	2.64	**73%**
45	**58**	**15.7342**	4.43	34.15	44.69	9.9%	1992.20	997.26	5.91	0.89	29.40	3.62	63.38	**50%**	11.83	**74%**
46	**59**	**35.1939**	10.99	32.42	95.14	11.6%	7659.46	4320.27	19.93	3.12	78.16	9.22	122.76	**56%**	25.96	**73%**
47	**60**	**80.7876**	26.03	32.42	218.36	11.9%	20916.89	12372.29	49.11	6.37	199.73	24.85	153.15	**59%**	59.79	**73%**
48	**61**	**14.0996**	4.46	31.41	36.65	12.2%	3216.12	1769.65	8.07	1.13	33.72	4.13	125.51	**55%**	10.3	**72%**
49	**62**	**10.2902**	5.43	31.41	26.76	20.3%	2886.01	1683.92	8.11	1.24	36.63	4.44	163.64	**58%**	6.89	**74%**
50	**63**	**123.7492**	48.9	31.41	323.61	15.1%	28304.71	15731.35	75.68	11.18	337.41	41.13	127.12	**56%**	88.04	**73%**
51	**64**	**21.457**	7.33	29.84	53.47	13.7%	8651.78	5538.33	17.85	2.02	63.91	8.02	258.11	**64%**	16.16	**70%**
91	**65**	**3.7983**	2.51	32.42	10	25.1%	2290.30	1331.46	5.23	0.66	20.53	2.56	350.54	**58%**	2.37	**76%**
92	**66**	**11.7844**	5.52	32.42	31.89	17.3%	3645.03	2101.84	9.05	1.14	40.81	5.13	178.36	**58%**	8.51	**73%**
93	**67**	**133.3081**												**-**		**-**
52	**68**	**138.0008**	44.59	37.82	418.17	10.7%	22054.27	12227.45	68.09	20.30	275.68	31.14	88.60	**55%**	92.06	**78%**
53	**69**	**139.6104**	57.44	39.53	450.36	12.8%	17743.47	8888.43	75.83	21.62	333.06	37.44	63.67	**50%**	91.24	**80%**
54	**70**	**221.1126**	61.45	37.10	672.59	9.1%	38162.52	21859.57	98.02	13.34	443.55	55.17	98.86	**57%**	168.36	**75%**
55	**71**	**43.7905**	11.65	34.15	124.69	9.3%	4981.52	2607.48	15.43	2.54	74.95	8.99	59.54	**52%**	32.78	**74%**
56	**72**	**118.781**	27.66	31.52	312.08	8.9%	11569.37	6091.19	35.97	5.96	174.99	20.93	51.28	**53%**	91.61	**71%**
57	**73**	**118.4645**	29.13	37.10	338.31	8.6%	13370.74	7112.25	38.81	5.74	192.42	23.62	60.04	**53%**	84.8	**75%**
58	**74**	**485.1668**	55.45	34.11	1379.19	4.0%	26978.02	14334.27	80.51	13.61	357.14	42.01	29.55	**53%**	392.26	**72%**
59	**75**	**34.9124**	9.86	31.52	91.7	10.8%	7721.19	4587.44	18.15	2.14	77.40	9.79	131.40	**59%**	27.34	**70%**
60	**76**	**270.334**	9.04	36.85	830.05	1.1%	7591.39	4708.57	17.51	2.17	72.43	9.13	17.42	**62%**	223.1	**73%**
61	**77**	**174.0788**	21.35	37.96	550.72	3.9%	29256.39	20022.66	56.22	6.15	189.46	23.71	115.02	**68%**	140.73	**74%**
62	**78**	**368.6772**	43.57	40.54	1245.76	3.5%	19161.77	10244.51	59.99	10.29	278.80	32.84	27.79	**53%**	297.99	**76%**
63	**79**	**43.5665**	16.67	40.98	148.58	11.2%	11040.46	6751.49	28.57	4.16	119.31	14.39	154.97	**61%**	32.77	**78%**
64	**80**	**4.6403**	5.29	39.33	15.08	35.1%	3433.75	1889.68	8.01	0.81	39.25	5.14	407.23	**55%**	3.08	**80%**
65	**81**	**123.7882**	20.53	41.75	420.02	4.9%	17856.15	10214.99	41.29	5.24	164.64	20.52	82.52	**57%**	97.21	**77%**
66	**82**	**1193.802**	28.97	40.96	4074.93	0.7%	14543.67	7604.45	44.55	7.86	189.75	21.91	6.37	**52%**	988.03	**76%**
67	**83**	**414.0301**	84.26	40.01	1380.68	6.1%	39524.09	20329.22	125.05	22.48	540.94	62.30	49.10	**51%**	321.28	**77%**
68	**84**	**151.8489**	47.87	39.33	498.34	9.6%	23119.27	12219.79	68.70	11.23	312.51	37.20	80.47	**53%**	114.84	**77%**
69	**85**	**83.6777**	18.88	41.18	269.48	7.0%	7395.11	3866.33	26.15	8.10	110.43	12.18	46.21	**52%**	58.57	**78%**
70	**86**	**350.7724**	52.41	41.52	1175.4	4.5%	36844.78	21736.90	92.22	17.77	387.72	48.10	61.97	**59%**	274.87	**77%**
71	**87**	**1483.275**	22.82	42.60	5189.47	0.4%	6760.28	3025.08	25.67	5.43	118.37	13.32	2.04	**45%**	1226.79	**76%**
72	**88**	**720.5586**	9.12	44.79	2526.08	0.4%	3040.83	1524.51	9.70	2.20	54.52	6.79	2.12	**50%**	568.54	**77%**
73	**89**	**488.4566**	41.54	41.30	1566.52	2.7%	22796.34	12564.97	63.80	15.85	274.07	32.96	25.72	**55%**	368.61	**76%**
74	**90**	**7357.7**	5.77	48.37	29657.04	0.0%	5372.04	3295.06	11.71	1.09	50.13	6.56	0.45	**61%**	6471.1	**78%**
75	**91**	**194.9403**	2.02	39.07	634.82	0.3%	477.33	197.08	2.42	0.63	10.28	1.02	1.01	**41%**	166.13	**74%**
76	**92**	**363.6476**	19.63	40.44	1214.68	1.6%	7949.10	4021.19	28.49	5.86	118.89	12.96	11.06	**51%**	294.03	**76%**
77	**93**	**219.375**	2.08	41.33	749.39	0.3%	3148.83	2164.77	6.12	0.64	20.05	2.49	9.87	**69%**	182.01	**76%**
78	**94**	**323.0427**	26.44	41.20	1102.65	2.4%	9122.60	4597.21	30.58	5.38	158.49	18.90	14.23	**50%**	262.2	**76%**
79	**95**	**17.7098**	3.65	41.20	60.76	6.0%	3264.72	1886.84	7.26	0.83	29.41	3.75	106.54	**58%**	13.59	**78%**
			1,410.87		**67,696.42**		**815,282.90**	**466,355.85**	**2592.34**	**373.28**	**9573.16**	**1153.27**			**16127.485**	

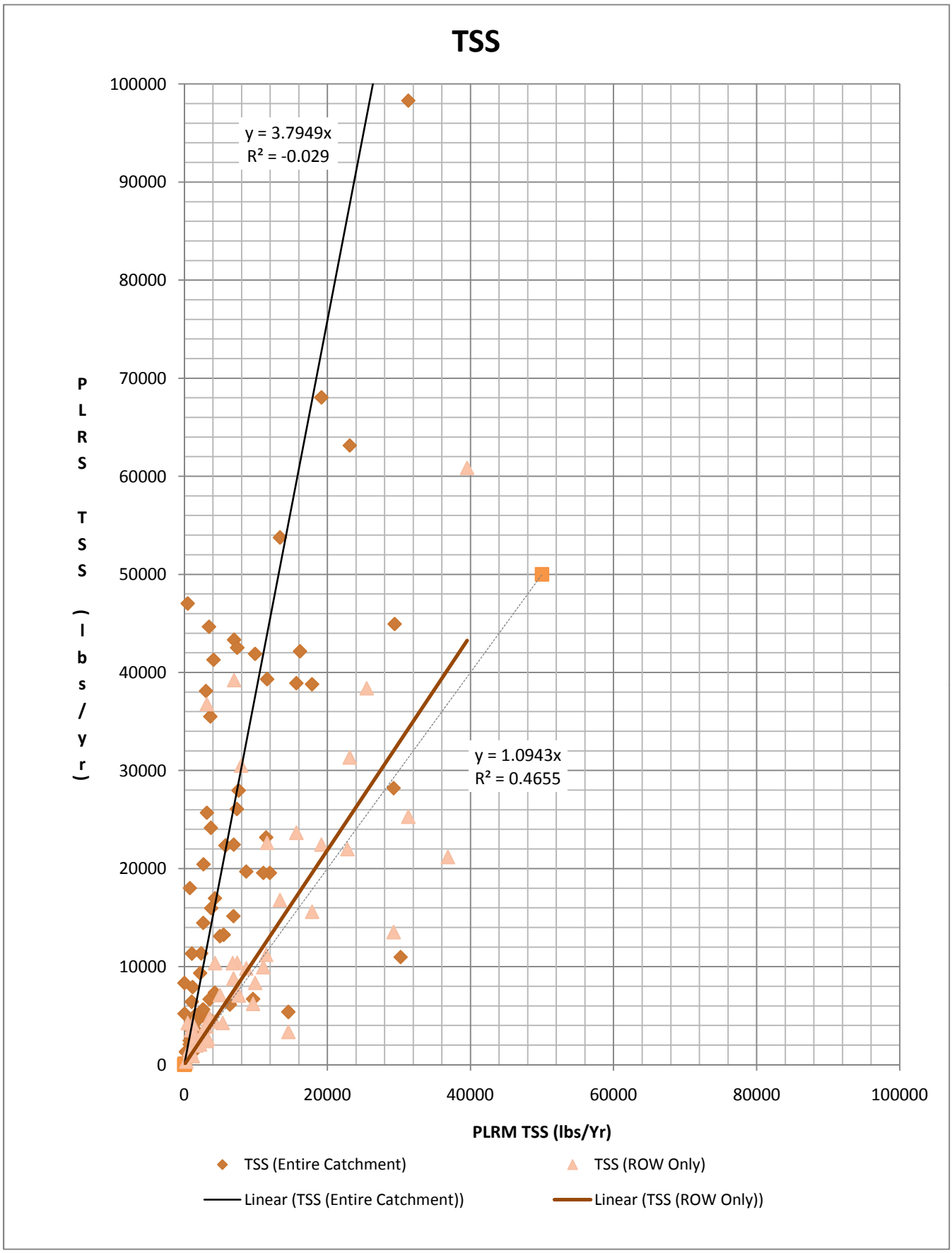
**** Scenario #2D: Use any updated parameters to reflect the pre-2004 Baseline conditions - WITH TREATMENT (0.05 perc rate)**

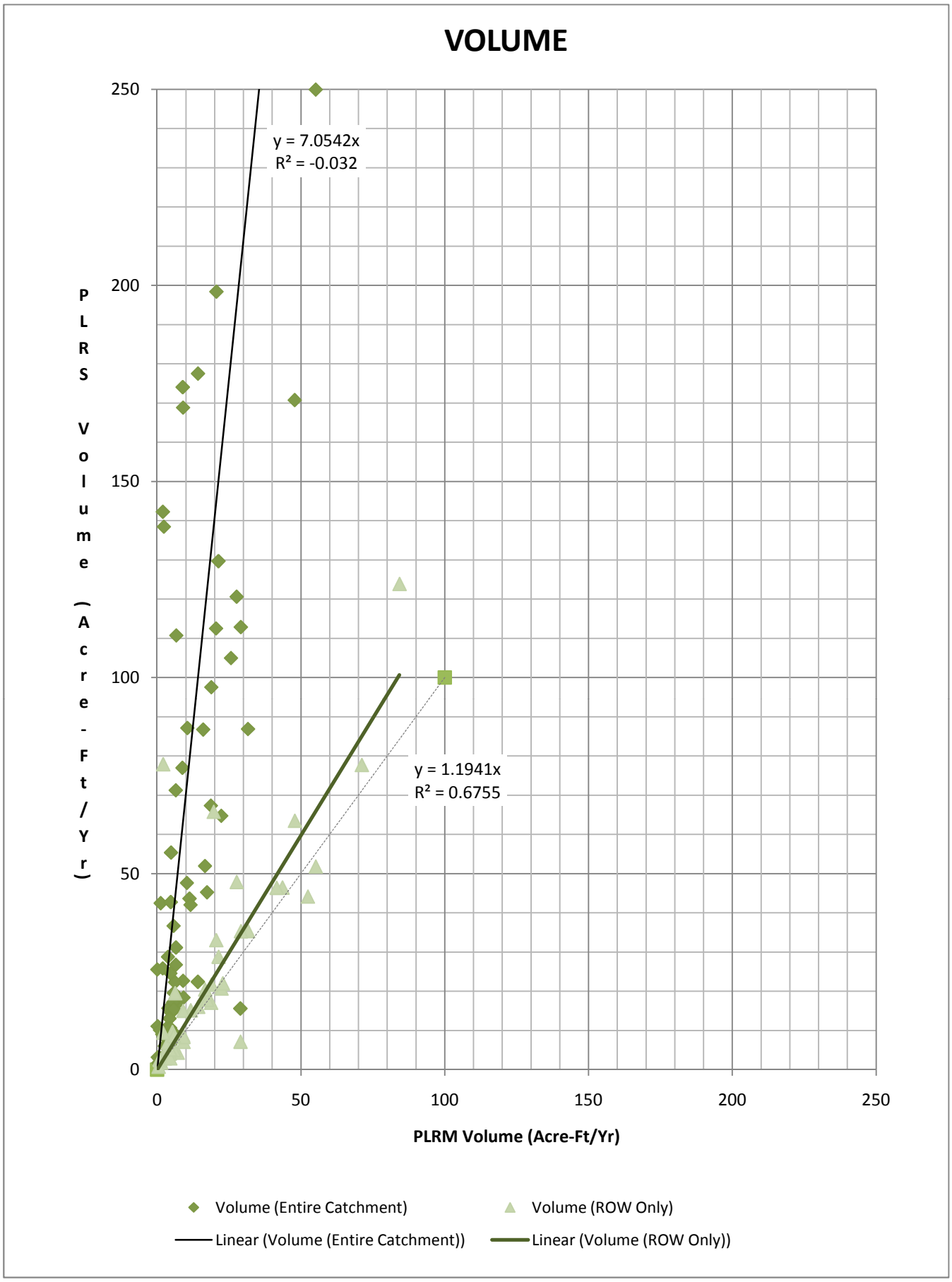
PLRM - PRE-2004 (ASSUMING 100% OF FLOWS CONVEYED TO TREATMENT)

							Pollutant Load (lbs/yr)									
PLRM assigned Project #	EDC Assigned UPC	Total Area (Acres)	Surface Runoff (Acre-Feet)	Total Precip (In/Yr)	Total Precip (Acre-Feet / Year)	% Surface Runoff	TSS	FSP	TP	SRP	TN	DIN	(lbs/yr /acre)	% FSP of Total TSS	Evaporation Loss (Acre-Feet)	% of Precip Available for infiltration and washoff
1	**1**	**278.1685**	38.38	33.80	783.93	4.9%	20826.54	12084.93	57.14	9.7	248.41	29.42	43.44	**58%**	218.91	**72%**
2	**2**	**59.365**	18.77	33.28	160.13	11.7%	9924.37	5724.94	27.56	5.82	125.93	15.91	96.44	**58%**	41.7	**74%**
3	**3**	**343.8679**	65.79	33.38	950.31	6.9%	23423.23	11159.16	77.47	13.02	406.77	49.82	32.45	**48%**	269.97	**72%**
4	**4**	**174.221**	6.68	30.79	441.54	1.5%	3454.59	1924.27	9.41	1.26	45.53	5.7	11.04	**56%**	146.165	**67%**
78	**5**	**73.0754**	1.26	30.89	187.94	0.7%	780.67	477.7	2.15	1.04	7.68	0.85	6.54	**61%**	60.91	**68%**
5	**6**	**70.0828**	4.86	31.08	169.94	2.9%	3030.43	1823.89	8.37	2.84	31.92	3.65	26.02	**60%**	56.59	**67%**
6	**7**	**40.429**	5.73	31.23	99.44	5.8%	3157.06	1823.76	9.05	1.87	38.65	4.58	45.11	**58%**	31.89	**68%**
7	**8**	**49.3119**	9.12	31.23	122.59	7.4%	4998.01	2809.08	14.52	2.39	62.2	7.36	56.97	**56%**	36.33	**70%**
79	**9**	**4.4186**	0.29	30.81	11.3	2.6%	224.55	134.09	0.51	0.05	2.35	0.31	30.35	**60%**	3.68	**67%**
80	**10**	**25.7291**	6.52	30.81	66.26	9.8%	2654.91	1501.58	8.06	1.36	34.86	4.07	58.36	**57%**	19.82	**70%**
81	**11**	**98.2667**	4.83	30.81	235.46	2.1%	2144.39	1168.71	6.92	1.28	30.46	3.51	11.89	**55%**	74.79	**68%**
82	**12**	**51.2692**	3.99	33.52	137.46	2.9%	2204.27	1244.5	6.41	1.07	27.02	3.16	24.27	**56%**	40.33	**71%**
83	**13**	**8.0665**	1.91	33.52	19.28	9.9%	838.09	478.02	2.29	0.32	10.58	1.31	59.26	**57%**	5.45	**72%**
84	**14**	**108.6092**	24.71	33.52	294.49	8.4%	15478.53	8825.35	39.61	5.21	178.7	22.28	81.26	**57%**	85.28	**71%**
85	**15**	**24.5274**	2.81	33.52	66.23	4.2%	1382.85	762.51	4.29	0.76	18.29	2.1	31.09	**55%**	18.89	**71%**
86	**16**	**29.6508**	6.41	33.52	78.52	8.2%	2265.87	1314.41	6.31	0.96	27.22	3.27	44.33	**58%**	22.36	**72%**
87	**17**	**42.1908**	9.06	33.52	114.88	7.9%	3662.06	1932.39	13.3	2.83	54.5	6.01	45.80	**53%**	31.21	**73%**
8	**18**	**1.2775**				-							-	-		-
9	**19**	**44.185**	0	29.48	108.58	0.0%	0	0	0	0	0	0	0.00	**#DIV/0!**	37.23	**66%**
10	**20**	**18.1471**	0.01	29.48	44.71	0.0%	0.79	0.28	0.01	0	0.02	0	0.02	**35%**	15.19	**66%**
11	**21**	**44.5511**	**1.26**	29.48	109.56	1.2%	666.85	367.81	1.68	0.17	8.94	1.18	8.26	**55%**	37.21	**66%**
12	**22**	**255.7173**	8.92	40.00	852.41	1.0%	3645.23	1944.05	12.96	2.63	54.48	5.96	7.60	**53%**	211.35	**75%**
13	**23**	**20.4034**	5.1	39.48	67.13	7.6%	5535.38	3426.83	11.7	1.41	42.69	5.29	167.95	**62%**	15.85	**76%**
14	**24**	**114.5378**	10.51	39.05	372.91	2.8%	5253.3	3019.83	13.37	1.78	59.19	7.36	26.37	**57%**	93.64	**75%**
15	**25**	**105.6594**	6.51	39.05	343.94	1.9%	11948.29	8492.83	20.86	1.87	65.88	8.47	80.38	**71%**	87.58	**75%**
16	**26**	**287.0174**	20.64	38.59	922.86	2.2%	29398.09	20583.19	55.66	6.08	182.98	22.7	71.71	**70%**	236.1	**74%**
17	**27**	**11.842**	14.19	34.95	34.66	40.9%	30240.56	21025.7	53	4.68	160.24	20.74	1775.52	**70%**	7.46	**79%**
18	**28**	**235.8398**	1.18	35.79	703.51	0.3%	1860.46	1284.39	3.40	0.29	11.73	1.53	10.87	**69%**	196.17	**72%**
20	**29**	**15.7472**	0.2	22.91	30.16	0.7%	139.8	82.22	0.29	0.03	1.15	0.15	5.22	**59%**	12.07	**60%**
19	**30**	**2.6065**	1.4	22.91	4.97	28.2%	1149.06	697.12	2.67	0.29	11.36	1.45	267.45	**61%**	1.64	**67%**
21	**31**	**15.0773**	1.14	23.42	29.5	3.9%	278.31	121.87	1.08	0.21	5.38	0.63	8.08	**44%**	9.89	**66%**
22	**32**	**15.711**	4.35	22.91	30.18	14.4%	1120.63	618.44	3.15	0.5	13.52	1.61	39.36	**55%**	10.12	**66%**
23	**33**	**15.8706**	2.47	23.42	30.85	8.0%	632.73	318.29	2.31	0.47	9.93	1.11	20.06	**50%**	10.29	**67%**
24	**34**	**27.0665**	7	23.42	53.09	13.2%	1411.46	658.61	3.51	0.86	14.13	1.57	24.33	**47%**	16.89	**68%**
25	**35**	**18.7837**	0.07	24.57	38.7	0.2%	79.74	48.84	0.17	0.02	0.65	0.09	2.60	**61%**	15.29	**60%**
26	**36**	**2.5972**	0	23.42	5.07	0.0%	0.1	0.06	0	0	0	0	0.02	**60%**	1.79	**65%**
27	**37**	**2.6223**	0.51	23.42	5.07	10.1%	267.14	150.02	0.75	0.11	3.55	0.44	57.21	**56%**	1.95	**62%**
28	**38**	**322.8225**	14.24	28.79	774.44	1.8%	7355.2	4026.82	20.98	3.18	96.6	11.69	12.47	**55%**	265.11	**66%**
29	**39**	**20.5995**	5.64	25.84	44.37	12.7%	3286.27	1799.91	9.12	1.42	39.22	4.71	87.38	**55%**	14.84	**67%**
88	**40**	**143.7299**	15.67	24.57	294.03	5.3%	11053.14	6324.08	27.46	3.92	114.76	14.16	44.00	**57%**	113	**62%**
30	**41**	**23.09**	9.03	27.04	51.85	17.4%	4257.65	2348.77	12.91	2.08	59.57	7.14	101.72	**55%**	15.89	**69%**
31	**42**	**46.4718**	17.38	25.98	100.73	17.3%	6867.78	3580.44	22.14	3.64	109.34	13.18	77.05	**52%**	32.13	**68%**
32	**43**	**11.1318**	4.38	25.98	24.05	18.2%	1501.73	744.64	5.22	0.9	26.83	3.23	66.89	**50%**	7.56	**69%**
33	**44**	**95.8186**	16.05	24.68	197	8.1%	7868.31	4383.27	22.89	3.55	108.65	13.63	45.75	**56%**	66.71	**66%**
34	**45**	**5.6901**	2.67	24.68	11.73	22.8%	770.02	346.55	2.76	0.47	15.51	1.91	60.90	**45%**	3.69	**69%**
35	**46**	**15.0231**	5.85	24.68	31.07	18.8%	1227.1	462.02	5.81	1.26	30.59	3.42	30.75	**38%**	9.76	**69%**

36	**47**	**7.0237**	3.65	24.68	14.61	25.0%	749.69	267.73	3.39	0.68	19.17	2.22	38.12	**36%**	4.33	**70%**
37	**48**	**52.5669**	3.78	26.08	115.88	3.3%	4291.74	2641.82	8.85	0.96	34.51	4.52	50.26	**62%**	43.31	**63%**
38	**49**	**9.4438**	4.33	24.90	19.52	22.2%	1664.57	864.93	5.58	0.99	26.48	3.1	91.59	**52%**	5.89	**70%**
39	**50**	**83.3234**	22.34	26.08	181.34	12.3%	8655.16	4501.24	28.51	4.83	139.45	16.68	54.02	**52%**		**100%**
40	**51**	**10.724**	4.54	28.91	25.79	17.6%	924.98	345.5	4.68	1.08	23.71	2.59	32.22	**37%**	6.95	**73%**
41	**52**	**17.493**	9.19	30.16	43.75	21.0%	2624.91	1194.6	10.05	1.88	52.69	6.19	68.29	**46%**	11.31	**74%**
89	**53**	**15.7909**	6.23	27.27	36.14	17.2%	6954.46	4257.79	14.41	1.35	56.63	7.42	269.64	**61%**	11.59	**68%**
90	**54**	**5.0134**	4.52	32.42	13.78	32.8%	9608.13	6681.62	16.85	1.47	50.98	6.6	1332.75	**70%**	3.48	**75%**
42	**55**	**12.2361**	2.59	34.15	35.02	7.4%	2098.86	1342.48	5.25	0.8	19.2	2.21	109.71	**64%**	9.25	**74%**
43	**56**	**2.1049**	0.93	34.15	5.98	15.6%	677.93	359.36	1.62	0.19	7.43	0.95	170.73	**53%**	1.52	**75%**
44	**57**	**3.4561**	0.96	34.15	9.96	9.6%	670.56	354.17	1.65	0.2	7.5	0.95	102.48	**53%**	2.64	**73%**
45	**58**	**15.7342**	4.43	34.15	44.69	9.9%	1992.2	997.26	5.91	0.89	29.4	3.62	63.38	**50%**	11.83	**74%**
46	**59**	**35.1939**	10.99	32.42	95.14	11.6%	7659.46	4320.27	19.93	3.12	78.16	9.22	122.76	**56%**	25.96	**73%**
47	**60**	**80.7876**	26.03	32.42	218.36	11.9%	20916.89	12372.29	49.11	6.37	199.73	24.85	153.15	**59%**	59.79	**73%**
48	**61**	**14.0996**	4.46	31.41	36.65	12.2%	3216.12	1769.65	8.07	1.13	33.72	4.13	125.51	**55%**	10.3	**72%**
49	**62**	**10.2902**	5.43	31.41	26.76	20.3%	2886.01	1683.92	8.11	1.24	36.63	4.44	163.64	**58%**	6.89	**74%**
50	**63**	**123.7492**	48.9	31.41	323.61	15.1%	28304.71	15731.35	75.68	11.18	337.41	41.13	127.12	**56%**	88.04	**73%**
51	**64**	**21.457**	7.33	29.84	53.47	13.7%	8651.78	5538.33	17.85	2.02	63.91	8.02	258.11	**64%**	16.16	**70%**
91	**65**	**3.7983**	2.45	32.42	10	24.5%	1215.53	706.95	2.78	0.35	10.89	1.36	186.12	**58%**	2.37	**76%**
92	**66**	**11.7844**	2.31	32.42	31.89	7.2%	753.84	434.85	1.86	0.23	8.42	1.06	36.90	**58%**	8.51	**73%**
93	**67**	**133.3081**												**-**		**-**
52	**68**	**138.0008**	44.59	37.82	418.17	10.7%	22054.27	12227.45	68.09	20.3	275.68	31.14	88.60	**55%**	92.06	**78%**
53	**69**	**139.6104**	57.44	39.53	450.36	12.8%	17743.47	8888.43	75.83	21.62	333.06	37.44	63.67	**50%**	91.24	**80%**
54	**70**	**221.1126**	59.43	37.10	672.59	8.8%	13250.28	7603.7	33.75	4.51	152.88	19.08	34.39	**57%**	168.36	**75%**
55	**71**	**43.7905**	11.65	34.15	124.69	9.3%	4981.52	2607.48	15.43	2.54	74.95	8.99	59.54	**52%**	32.78	**74%**
56	**72**	**118.781**	27.66	31.52	312.08	8.9%	11569.37	6091.19	35.97	5.96	174.99	20.93	51.28	**53%**	91.61	**71%**
57	**73**	**118.4645**	29.13	37.10	338.31	8.6%	13370.74	7112.25	38.81	5.74	192.42	23.62	60.04	**53%**	84.8	**75%**
58	**74**	**485.1668**	54.07	34.11	1379.19	3.9%	26242.83	13991.74	78.38	13.18	347.88	40.97	28.84	**53%**	392.26	**72%**
59	**75**	**34.9124**	9.86	31.52	91.7	10.8%	7721.19	4587.44	18.15	2.14	77.4	9.79	131.40	**59%**	27.34	**70%**
60	**76**	**270.334**	9.04	36.85	830.05	1.1%	7591.39	4708.57	17.51	2.17	72.43	9.13	17.42	**62%**	223.1	**73%**
61	**77**	**174.0788**	21.35	37.96	550.72	3.9%	29256.39	20022.66	56.22	6.15	189.46	23.71	115.02	**68%**	140.73	**74%**
62	**78**	**368.6772**	36.92	40.54	1245.76	3.0%	16090.25	8598.77	50.47	8.68	234.41	27.59	23.32	**53%**	297.99	**76%**
63	**79**	**43.5665**	16.67	40.98	148.58	11.2%	11040.46	6751.49	28.57	4.16	119.31	14.39	154.97	**61%**	32.77	**78%**
64	**80**	**4.6403**	5.29	39.33	15.08	35.1%	3433.75	1889.68	8.01	0.81	39.25	5.14	407.23	**55%**	3.08	**80%**
65	**81**	**123.7882**	19.99	41.75	420.02	4.8%	17262.9	9876.14	39.91	5.06	159.11	19.83	79.78	**57%**	97.21	**77%**
66	**82**	**1193.802**	23.63	40.96	4074.93	0.6%	11785.36	6160.8	36.13	6.39	153.87	17.76	5.16	**52%**	988.03	**76%**
67	**83**	**414.0301**	83.71	40.01	1380.68	6.1%	38954.02	20029.38	123.47	22.25	533.9	61.44	48.38	**51%**	321.28	**77%**
68	**84**	**151.8489**	47.87	39.33	498.34	9.6%	23119.27	12219.79	68.7	11.23	312.51	37.2	80.47	**53%**	114.84	**77%**
69	**85**	**83.6777**	18.88	41.18	269.48	7.0%	7395.11	3866.33	26.15	8.1	110.43	12.18	46.21	**52%**	58.57	**78%**
70	**86**	**350.7724**	28.73	41.52	1175.4	2.4%	19942.7	11764.58	50.13	9.86	210.38	26.05	33.54	**59%**	274.87	**77%**
71	**87**	**1483.275**	22.82	42.60	5189.47	0.4%	6760.28	3025.08	25.67	5.43	118.37	13.32	2.04	**45%**	1226.79	**76%**
72	**88**	**720.5586**	9.12	44.79	2526.08	0.4%	3040.83	1524.51	9.7	2.2	54.52	6.79	2.12	**50%**	568.54	**77%**
73	**89**	**488.4566**	41.54	41.30	1566.52	2.7%	22796.34	12564.97	63.8	15.85	274.07	32.96	25.72	**55%**	368.61	**76%**
74	**90**	**7357.7**	5.77	48.37	29657.04	0.0%	5372.04	3295.06	11.71	1.09	50.13	6.56	0.45	**61%**	6471.1	**78%**
75	**91**	**194.9403**	2.02	39.07	634.82	0.3%	477.33	197.08	2.42	0.63	10.28	1.02	1.01	**41%**	166.13	**74%**
76	**92**	**363.6476**	19.63	40.44	1214.68	1.6%	7949.1	4021.19	28.49	5.86	118.89	12.96	11.06	**51%**	294.03	**76%**
77	**93**	**219.375**	2.08	41.33	749.39	0.3%	3148.83	2164.77	6.12	0.64	20.05	2.49	9.87	**69%**	182.01	**76%**
78	**94**	**323.0427**	26.44	41.20	1102.65	2.4%	9122.6	4597.21	30.58	5.38	158.49	18.9	14.23	**50%**	262.2	**76%**
79	**95**	**17.7098**	3.65	41.20	60.76	6.0%	3264.72	1886.84	7.26	0.83	29.41	3.75	106.54	**58%**	13.59	**78%**
			1,301.86		**67,696.71**		**717,520.41**	**410,686.86**	**1,954.80**	**333.32**	**8,432.51**	**1,013.05**			**16126.715**	


PRECIPITATION
60.0
50.0
40.0
30.0
20.0
10.0
0.0
PLRS Precip (in/yr)
y = 0.9887x
R² = 0.8519
y = 0.9633x
R² = 0.8781
0.00
10.00
20.00
30.00
40.00
50.00
60.00
PLRM Precip (In/Yr)
Precipitation (Entire Catchment)
Precip (ROW Only)
Linear (Precipitation (Entire Catchment))
Linear (Precip (ROW Only))


TSS
y = 3.7949x
R² = -0.029
y = 1.0943x
R² = 0.4655
PLRS TSS (lbs/yr)
PLRM TSS (lbs/Yr)
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
100000
0
20000
40000
60000
80000
100000
TSS (Entire Catchment)
TSS (ROW Only)
Linear (TSS (Entire Catchment))
Linear (TSS (ROW Only))


VOLUME
y = 7.0542x
R² = -0.032
y = 1.1941x
R² = 0.6755
PLRS Volume (Acre-Ft/Yr)
PLRM Volume (Acre-Ft/Yr)
0
50
100
150
200
250
Volume (Entire Catchment)
Volume (ROW Only)
Linear (Volume (Entire Catchment))
Linear (Volume (ROW Only))