

Section B

SURFACE AND POINT SOURCE EROSION (ROADS/SKID TRAILS)

INTRODUCTION

The surface and point source erosion module examines the past and present soil erosion from roads and skid trails of the Mendocino Redwood Company (MRC) ownership in the Navarro River watershed, the Navarro watershed analysis unit (WAU). This module also provides a hazard assessment of the potential for future surface and point source erosion from roads in the Navarro WAU. The potential erosion assessment is to assist in development of mitigation measures and actions to minimize future soil erosion from the road network. The road data that is the basis for most of this analysis was collected by MRC during a 100% road inventory of the Navarro WAU. The erosion estimates utilize a combination of field observations and the use of the surface erosion model presented in the Standard Methodology for Conducting Watershed Analysis (Version 4.0, Washington Forest Practices).

Surface erosion is defined as the removal of soil particles from the surface of the soil. Processes such as rill erosion, sheetwash, biogenic transport (animal burrows, treefall, etc.) and ravel are considered surface erosion. Gullies, road crossing wash-outs, and large erosion features created by erosion from overland flow of water are considered point source erosion. In contrast, the largest discrete erosion events, landslides, are considered mass wasting.

This report examines road and skid trail associated surface and point source erosion delivering sediment into watercourses. Excessive levels of fine sediments from surface and point source erosion can get trapped in porous streambed gravels; and can increase water turbidity and suspended sediment concentrations. Excessive coarse sediments from point source erosion can adversely affect stream channel morphology. These can reduce the survival of salmonid in their redds or affect habitat needs and physiological characteristics of rearing salmonids. Excessive surface and point source erosion when delivered to a watercourse can also affect other downstream uses such as water supplies, agricultural diversions and recreation users. It is important that best management practices be utilized in forest management operations to minimize the impacts of surface and point source erosion.

SURFACE AND POINT SOURCE EROSION FROM ROADS

Methods

A 100% road inventory of the roads with the Navarro WAU was conducted. The road inventory consisted of traveling all roads with a Global Positioning System (GPS) unit and identifying, mapping and inventorying all major features of the road network. Some of the features that are inventoried include watercourse-crossings and crossing structures (culverts, bridges, etc.), landings, erosion features and controllable erosion amounts (as defined below). Information relating to erosion and sediment delivery from the road inventory is analyzed in this report. Dimensions of the road network such as length, width and sediment contributing road lengths are also summarized. The road inventory collects

information on the entire road infrastructure. This road infrastructure information allows for better management and tracking of the road network.

All road features (watercourse crossings, landings, road fill, etc.), during the road inventory, have the past deliverable point source erosion volume estimated for that feature. Deliverable point source erosion from a road is defined as major rills or gully erosion which is observed in close proximity to a watercourse or which showed evidence of eroding directly into a watercourse. These measurements were used to calculate the volume of point source erosion delivered from the road. The volume of erosion was converted to a weight (in tons) assuming a soil bulk density of 100 lbs./cubic foot. All observed sediment delivery from surface or point source erosion is assumed to have occurred within the past 5 years, unless there is information otherwise.

Future or potential point source erosion (gully or road fill wash-outs, not sheetwash) observations were collected during the road inventory. This potential future erosion is called controllable erosion, a term developed by the North Coast Regional Water Quality Control Board for Total Maximum Daily Load (TMDL) purposes. Controllable erosion is defined as soil that could potentially deliver to a watercourse in the next 40 years (the duration of a TMDL), is human created, and can be reasonably controlled by human actions. Typically, controllable erosion is a measure of the fill material from a road that could erode if a road feature is left un-maintained or fails in the next 40 years. The controllable erosion amount is the volume of soil that can be controlled with high design standards for a road feature (i.e. watercourse crossing, side-cast fill, etc.).

The controllable erosion sites are further designated by the potential for sediment delivery and the immediacy of treatment for the site. Both the sediment delivery potential and the treatment immediacy are ranked low, moderate, or high. The ranking of each controllable erosion site by these variables provides a hazard or risk assessment of the controllable erosion. This allows prioritization of road improvements and erosion control work based on potential point source erosion hazard.

Another important variable of potential future point source erosion from a road is the likelihood of diversion of water down the road prism. This diversion potential, as it is called, was evaluated for every watercourse crossing of every road in the Navarro WAU. A site has a diversion potential if when the watercourse crossing plugged, dammed or failed water could be diverted out of the “natural” watercourse channel and down the road prism. Water diverted out of its “natural” channel would erode the road prism creating potentially high sediment delivery. Sites with a diversion potential can be engineered such that the diversion of water down a road prism does not occur if the watercourse crossing plugged, dammed, or failed.

A prioritization of potential point source erosion sites for the Navarro WAU is presented (Appendix B). This prioritization is based on amount of controllable erosion of the site, the treatment immediacy, and a high diversion potential.

Proper culvert sizing is another important characteristic for consideration of road erosion potential. Culverts that do not have the capacity to pass debris, water and sediment in high flow events can plug creating road prism failures with high sediment inputs. MRC currently designs all new culvert installations to pass the 100 year flood to ensure enough capacity in the pipe to pass water, debris and sediment in high flows. To determine if culvert sizing is appropriate for existing culverts the area behind each culvert inventoried was determined from topography data in the MRC Geographic Information System (GIS). The regression equation for the North Coast region (Waananen and Crippen, 1977) is used to predict the 50 and 100 year peak flow. A culvert sizing nomograph is used to determine the

appropriate size for 50 and 100 year peak flow magnitudes and the predicted size are compared to the existing culvert sizing to determine if the culvert is large enough.

The culvert sizing analysis must be interpreted carefully as it was often difficult to tell what area of watershed drained to a culvert from a map based analysis. This culvert sizing analysis is only meant to be “first cut” at determining if a culvert is properly sized. From this analysis a field visit to the site will determine if indeed the appropriate watershed drainage area was used and the culvert is indeed under-sized. The results from the culvert sizing analysis are presented in Appendix B.

Surface erosion (or sheetwash) from roads was not directly estimated in the field. The contributing length or extent of road that delivers erosion to a watercourse is measured in the field then used for surface erosion calculations. The contributing length of a road is the length of road prism that drains water and associated eroded soil into a watercourse. Thus it defines the length of surface erosion of any particular site on the road. The model used to calculate surface erosion from roads is from the Standard Methodology for Conducting Watershed Analysis (Version 4.0, Washington Forest Practices Board) and is described below.

Surface erosion from the road surface is influenced by the amount of road traffic (high use mainline, moderate use active secondary, etc.), the type of road surface material, precipitation, width and size of road (the more surface area to erode, the more erosion), and vegetative cover (Reid, 1981). The Standard Methodology for Conducting Watershed Analysis (Version 4.0, Washington Forest Practices Board) provides relationships based on these factors to estimate the amount of surface erosion from different road types and conditions.

Field observations from the road inventory determined the length of the road delivering sediment to a watercourse (contributing length) from individual features of the road (culverts and crossings), the road width, the road surface material and the type of road (seasonal or temporary) to aid in the surface erosion calculations.

The road inventory lacked contributing road length for road segments adjacent to a watercourse but not associated with a culvert or crossing. Using an analysis from GIS the amount of road within 50 feet, 50-100 feet and 100-200 feet of a watercourse was determined. It was assumed that within 50 feet, 100 percent of erosion from the road delivers sediment to a watercourse. At 50-100 feet 35 percent and at 100-200 feet 10 percent of erosion from the road was assumed to deliver sediment to a watercourse. These assumptions were based on sediment delivery ratios used in a road erosion model called SEDMOD.

The following model parameters were used to calculate surface erosion from roads in the Navarro WAU. All of the observed roads were assumed to be older than 2 years, a base erosion rate of 60 tons/acre/year was used. This initial value was altered (multiplied) by the factors of traffic on the road, cut- and fill-slope vegetation cover, road surface type, annual precipitation, and road type in an attempt to model the actual sediment volume contributed by a given road segment. The road tread width was determined in the field during the road inventory and is assumed to be 40% of the road prism. The cut- and fill-slopes are assumed to 60% of the road prism; their dimensions for the surface erosion model were determined by multiplying the tread width by 1.5.

Road cut- and fill-slopes usually had approximately 50% vegetative cover, giving a cover factor of 0.37. The majority of hauling on roads occurs during drier times of the year (i.e. late spring, summer and early fall). Therefore the lowest annual precipitation category is used (<47 in. precipitation annually). In this

annual precipitation category a road with at least a 6 inch rock surface is given a factor of 0.2, while a native surface road has a factor of 1.

There were 4 traffic factors used in surface erosion modeling:

- 1) *Mainline roads with heavy traffic* have a factor of 20; these roads are actively used and maintained for log haul traffic.
- 2) *Mainline roads with moderate traffic* have a factor of 2; these roads are used for log haul traffic 2-3 times each decade.
- 3) *Seasonal roads* have a traffic factor of 1.2; these are tributary roads which receive moderate log haul traffic 1-2 years each decade and light traffic the remainder of the time.
- 4) *Temporary roads* receive a traffic factor of 0.61; these roads receive moderate log haul traffic 1-2 times per every 1-2 decades with little to no use in between.

The result of the surface erosion modeling is added to the total past point source erosion observed during the road inventory from a given road and presented as tons/year of sediment delivery (see Appendix B for erosion estimates of each road in the Navarro WAU). For relative sediment contributions from each planning watershed for roads for sediment input evaluation the tons/year calculations for all roads was totaled by planning watershed and normalized by dividing by the MRC ownership, in square miles, for the planning watershed. The result is a tons/square mile of MRC ownership/year estimate of road surface and point source erosion.

Finally, with this information each road in the Navarro WAU is assigned an erosion hazard class. The erosion hazard class is used to classify the roads in the Navarro WAU by their current and potential erosion hazard. The erosion hazard class was determined by the amount of erosion a road produced and the likelihood for that erosion to be delivered to a watercourse. High levels of traffic, road surface, proximity to the stream, high past point source erosion, and high modeled surface erosion all were considered when ranking roads for their erosion hazard. The roads with the highest risk of sediment delivery and soil erosion were given a high erosion hazard classification. The roads with medium risk of sediment delivery and soil erosion were given a moderate erosion hazard classification. The roads with the lowest risk of sediment delivery and soil erosion were given a low erosion hazard classification. A description of what each erosion hazard classification means can be found in the results and discussion sub-section of this report.

The data generated from the road inventory is separated into two areas, Navarro East and Navarro West:

Navarro West consists of MRC's ownership in the following Calwater planning watersheds: Floodgate Creek, Flynn Creek, Hendy Woods, Lower Navarro River, Middle Navarro River, Mill Creek, North Fork Navarro River, Rancheria Creek, Ray Gulch, and Upper Navarro River.

Navarro East consists of MRC's ownership in these Calwater planning watersheds: Dutch Henry Creek, John Smith Creek, Little North Fork Navarro River, Lower South Branch Navarro River, North Fork Indian Creek, Middle South Branch Navarro River, and Upper South Branch Navarro River.

Results and Discussion - Roads

The road erosion hazard rating for each road in the Navarro WAU is presented on Map B-1(a) and B-1(b) and for each individual road in Appendix B of this report. The categorizing of roads into hazard classes is intended to identify current problem areas, consider reconstruction and prioritize maintenance. The following are the definitions for each road erosion hazard class.

High Road Erosion Hazard Class - These roads have the highest amount of recent deliverable surface erosion to watercourses and a high potential for future deliverable erosion. These roads can be active, abandoned or closed. Often roads in this class are close to watercourses creating a high sediment delivery potential. Erosion is typically due to long contributing road lengths or road with native surfaces near watercourses: a result of too few waterbars and/or rolling dips or lack of rock surface. Erosion may also be a product of problem areas such as watercourse crossing wash-outs, poor road drainage, plugged road watercourse crossings, water diverted down the road surface, culverts not fitted with downspouts, etc. Active roads in this class should get the highest priority for maintenance or improvements. Closed roads in this class will need improvements before opening again. Opening abandoned roads in this class should be avoided.

Moderate Road Erosion Hazard Class - These roads have moderate amounts of recent deliverable surface erosion to watercourses and potential for future deliverable erosion. These roads can be active, abandoned or closed. Erosion problems on roads in this class can usually be handled with good road maintenance. Erosion is typically from problem areas such as poor road drainage, water diverted down the road surface, culverts not fitted with downspouts, and an occasional plugged culvert or watercourse crossing wash-out. Active roads in this class should be a priority for maintenance. Closed or abandoned roads in this class will need some improvements before opening again.

Low Road Erosion Hazard Class - These roads have low amounts of recent deliverable surface erosion to watercourses and low potential for future deliverable erosion. These roads can be active, abandoned or closed. Active roads in this class do not need to be a priority for maintenance. Closed or abandoned roads in this class will need only some improvements before opening again.

The mapped roads and road features (culverts, crossings, and landings) are presented in maps B-2(a) and B-2(b) for the Navarro WAU. The associated treatment immediacy of the road feature is also shown on these maps. Potential controllable (point source) erosion sites were identified and prioritized in the Navarro WAU. In the Navarro WAU 276 controllable erosion sites have high treatment immediacy and 466 controllable erosion sites have moderate treatment immediacy. In addition to these controllable erosion sites 610 culverts or crossings in the Navarro WAU have a diversion potential. These diversion potential sites need to be considered a high priority for road improvement as they can represent a significant potential point source erosion hazard. The site identification, treatment immediacy and amount of controllable erosion estimated are found in Appendix B of this report.

The culvert size analysis has determined that 260 culverts are potentially too small to pass the 50 year flood and an additional 276 culverts will not pass the 100 year flood. The analysis of culvert sizing is only an estimate based on culvert location from the MRC road inventory and area behind the culvert based on MRC GIS topographic data. A field review will be required at each site to determine if the culvert is indeed under-sized, as our confidence in the analysis is low. However, the identification of these culverts as under-sized is a good hypothesis to work from and provides information to address potential road problems in Navarro WAU. These culverts identified as potentially too small need to be a high priority for upgrade if after field review the culverts are determined to be under-sized. The culvert sizing results are found in Appendix B of this report.

It was determined that there are 617 miles of truck roads in the Navarro WAU (skid trails not included). This represented an average road density of 7.3 miles of road per square mile. Table B-1(a) and B-1(b) breaks down the road lengths and densities by planning watershed for Navarro East and Navarro West.

Table B-1(a). Road Lengths and Density by Planning Watershed for the Navarro East Tract.

Planning Watershed	Road Length (miles)	Road Density (mi/sq mi)
Dutch Henry Creek	56.7	7.9
North Fork Indian Creek	15.8	5.8
John Smith Creek	27.0	8.3
Lower South Branch Navarro River	45.1	7.2
Middle South Branch Navarro	67.2	7.1
Little North Fork Navarro River	76.9	7.7
Upper South Branch Navarro River	51.4	6.8
<i>Navarro East Total</i>	340.0	7.3

Table B-1(b). Road Lengths and Density by Planning Watershed for the Navarro West Tract.

Planning Watershed	Road Length (miles)	Road Density (mi/sq mi)
Rancheria Creek	11.1	9.5
Flynn Creek	23.2	5.2
Floodgate Creek	7.7	7.0
Hendy Woods	13.7	8.8
Lower Navarro River	55.3	7.7
Middle Navarro River	50.1	6.9
North Fork Navarro River	39.1	6.3
Ray Gulch	34.4	7.4
Upper Navarro River	37.5	8.2
Mill Creek	4.9	7.3
<i>Navarro West Total</i>	277	7.3

The road densities range from approximately 6-9 miles per square mile of MRC ownership. These are road densities typical of timberland. The highest road densities occur in watersheds where MRC owns the least amount of land. This is often due to the access constraint the smaller parcel creates. Road densities are something that should be managed for in the Navarro WAU. Not all roads can be abandoned, but by converting many of these roads to a temporary status or putting them to bed after use, the amount of road that can contribute erosion at any given time is reduced.

The surface and point source erosion estimates by planning watershed are presented in Table B-2(a) and B-2(b). The breakdown of estimated erosion, road lengths and hazard rating by individual roads is in Appendix B of this report. Roads in the MRC ownership in the Navarro WAU are estimated to generate, on average, 490 tons/mi²/yr of sediment from road-associated surface and point source erosion. This represented 520 tons/mi²/yr and 450 tons/mi²/yr of estimated sediment delivery from Navarro East and Navarro West respectively.

Table B-2(a) Road Associated Surface and Point Source Erosion Estimates by Planning Watershed for the Navarro East Tract, Navarro WAU.

Planning Watershed	MRC Owned Acres	Surface Erosion (tons/yr)	Point Source Erosion (tons/yr)	Total Road Assoc. Erosion (tons/yr)	Road Assoc. Erosion Rate (tons/sq mi/yr)
Dutch Henry Creek	4625	709	1537	2246	311
North Fork Indian Creek	1729	187	535	721	267
John Smith Creek	2080	569	2108	2678	824
Lower South Branch Navarro River	3988	532	287	819	131
Middle South Branch Navarro	6095	1359	3576	4935	518
Little North Fork Navarro River	6423	1648	5905	7553	753
Upper South Branch Navarro River	4807	1090	700	1790	238
<i>Navarro East Totals (rounded)</i>	<i>30,000</i>	<i>6,000</i>	<i>14,500</i>	<i>21,000</i>	<i>450</i>

Table B-2(b) Road Associated Surface and Point Source Erosion Estimates by Planning Watershed for the Navarro West Tract, Navarro WAU.

Planning Watershed	MRC Owned Acres	Surface Erosion (tons/yr)	Point Source Erosion (tons/yr)	Total Road Assoc. Erosion (tons/yr)	Road Assoc. Erosion Rate (tons/sq mi/yr)
Rancheria Creek	742	542	930	1472	1270
Flynn Creek	2874	397	75	472	105
Floodgate Creek	704	67	8	75	68
Hendy Woods	998	585	757	1341	860
Lower Navarro River	4583	1149	433	1582	221
Middle Navarro River	4641	1328	649	1978	273
North Fork Navarro River	3943	1310	637	1947	316
Ray Gulch	2982	896	5573	6470	1389
Upper Navarro River	2925	991	3547	4538	993
Mill Creek	429	96	27	123	184
<i>Navarro West Totals (rounded)</i>	<i>25,000</i>	<i>7,500</i>	<i>13,000</i>	<i>20,000</i>	<i>520</i>

John Smith Creek, Ray Gulch, Upper Navarro, Little North Fork Navarro River, Rancheria Creek and Hendy Woods planning watersheds had the highest rates of road associated erosion. In all of these cases the roads in the planning watersheds had a high amount of point source erosion. This probably indicates older legacy roads that are having a high amount of culvert or landing failures or inappropriate drainage creating gully erosion. These planning watersheds with a high rate of erosion should be considered priorities for erosion control work when considering work in a watershed context (i.e. “buttoning-up the entire watershed”).

The future potential for point source erosion was evaluated in the Navarro WAU. This potential erosion or controllable erosion was identified during the road inventory during 1998-2000. A total of 1,103,723 cubic yards of controllable erosion was identified in the Navarro WAU (Table B-3).

Table B-3. Controllable Erosion Estimates by Calwater Planning Watershed and Road Feature for the Navarro WAU.

Planning Watershed	Culverts (yd³)	Crossings (yd³)	Landings (yd³)	Road Slides (yd³)	Erosion Features (yd³)	Total (yd³)
Rancheria Creek	0	305,233	9,195	10,380	1,335	326,143
North Fork Indian Creek	18,294	3,740	11,530	19,877	29	53,470
Hendy Woods	2,755	1,957	3,992	200	70	8,974
Upper South Branch Navarro	17,179	6,936	4,933	7,043	1,111	37,202
Middle South Branch Navarro	129,687	5,242	3,616	6,499	481	145,525
Lower South Branch Navarro	10,418	3,114	2,036	5,194	310	21,072
Little North Fork Navarro	72,074	6,858	4,981	22,156	621	106,690
John Smith Creek	5,188	2,034	808	1,142	67	9,239
Dutch Henry Creek	92,290	6,100	7,388	39,291	678	145,747
Mill Creek	3,080	573	1,600	50	0	5,303
Upper Navarro River	14,389	12,921	11,752	7,352	2,514	48,928
Middle Navarro River	10,921	3,237	6,955	9,702	140	30,955
Lower Navarro River	30,726	2,347	8,338	14,535	2,582	58,528
Floodgate Creek	295	115	530	580	0	1,520
North Fork Navarro River	5,827	6,891	12,616	2,300	3,735	31,369
Flynn Creek	16,232	205	250	555	20	17,262
Ray Gulch	6,296	2,776	41,394	4,964	366	55,796
Totals	435,651	370,279	131,914	151,820	14,059	1,103,723

The majority of controllable erosion sites are at culverts and watercourse crossings. However, a large amount of controllable erosion is associated with road slides. The Middle South Branch Navarro and Dutch Henry Planning watersheds show the highest amounts of controllable erosion primarily due to several large controllable sites associated with the Masonite road in these planning watersheds. The importance or immediacy of treatment for this controllable erosion was evaluated. The high treatment immediacy sites should be addressed first (Table B-4).

Table B-4. Controllable Erosion by Treatment Immediacy for the Navarro WAU.

Location	Controllable Erosion Treatment Immediacy (yd³)				
	High	Moderate	Low	None	Undetermined
Navarro East	221958	80573	194689	21715	10
Navarro West	96836	378072	102429	1164	53
Navarro WAU Total	318794	458645	297118	22879	63
Percent of total	29%	42%	27%	2%	<1%

Fish passage barriers from culverts in the Navarro WAU

There are 3 known culverts that are fish passage barriers Bridge Creek, Camp Creek and an unnamed tributary below John Smith Creek. However, other barriers likely exist and need to be investigated over time.

Masonite Road

The main haul road through the Navarro East tract is the Masonite Road (M road). This road, built about 1950, has a cut and fill construction. Many of the watercourse crossings along the Masonite Road have very large fill volumes with culverts that are reaching their life expectancy. The high fill volumes and high cut banks of the Masonite road have triggered numerous landslides and are a source of sediment for the North and South Branch of the North Fork Navarro River. Of the estimated past sediment delivery from surface and point source erosion of roads, the Masonite road is estimated to have represented 30% of the sediment delivery of the Navarro WAU. A considerable amount of the controllable erosion, or future point source erosion, estimated for the Navarro WAU is associated with the Masonite road, approximately 25%. Table B-5 outlines the controllable erosion amounts associated with the Masonite road.

Table B-5. Controllable Erosion Amounts for the Masonite Road within the Navarro WAU.

Planning Watershed	Culverts (yd³)	Landings (yd³)	Road Slides (yd³)	Total (yd³)
Middle South Branch Navarro	125,229	0	3,185	<i>128,414</i>
Little North Fork Navarro	52,666	50	3,340	<i>56,006</i>
John Smith Creek	3,050	0	0	<i>3,050</i>
Dutch Henry Creek	84,114	0	6,435	<i>90,549</i>
North Fork Navarro River	3,613	0	0	<i>3,613</i>
<i>Totals</i>	<i>268,672</i>	<i>50</i>	<i>12,960</i>	<i>281,682</i>

Approximately 55% of these controllable erosion amounts for the Masonite road are of high treatment immediacy. Sediment control along the Masonite road needs to be a high priority. Although, it will be costly work to do sediment control repairs along the Masonite road the good news is that by addressing the controllable erosion on the Masonite road about 2/3 of the high treatment immediacy controllable volume can be addressed for the Navarro WAU.



Masonite Road under construction, circa 1950.

SURFACE AND POINT SOURCE EROSION FROM SKID TRAILS

Methods

Sediment delivery from surface and point source erosion from skid trails was determined from aerial photograph interpretation and sediment delivery estimates developed in previous MRC watershed analyses (MRC, 1998 and MRC, 2000). Aerial photographs were analyzed from 1952, 1963, 1972, 1981, 1988 and 2000 with scales of 1:20,000, 1:20,000, 1:20,000, 1:20,000, 1:12,000 and 1:13,000, respectively. The aerial photographs were used to identify skid trail activity. The 1952 and 1963 aerial photographs were checked out at the Mendocino County Museum in Willits. The 1972 and '81 aerial photographs were checked out at the Mendocino County Assessor's Office in Ukiah. The 1988 and 2000 aerial photographs were used from Mendocino Redwood Company's collection.

The aerial photograph interpretation for skid trail activity consisted of determining the area harvested by ground based yarding by skid trail density (high, moderate, low) for each photo year. High-density skid trail activity is defined as having greater than 100 watercourse crossings per square mile. Moderate-density skid trail activity is defined as having between 50-100 watercourse crossings per square mile. Light skid trail density has less than 50 watercourse crossings per square mile or trails with significant re-vegetation observed in the aerial photograph.

The amount of sediment delivery from the various densities of skid trail activity was estimated from sediment delivery rates estimated during previous watershed analyses by MRC (MRC, 1998 and MRC, 2000). A combination of surface erosion modeling and field observations of point source erosion from skid trails was used to develop the skid trail estimates. High skid trail density is estimated to contribute 300 tons/square mile/year of sediment. Moderate skid trail density is estimated to contribute 200 tons/square mile/year of sediment, while low skid trail density contributes 50 tons/square mile/year.

For each photo year the area in each skid trail density category was multiplied by the sediment delivery rate for that density. The estimated rate was then assumed to represent the decade previous to the photo year observed (i.e. 1952 photo represent activity in the 1940s). In the situation where aerial photographs were missing from a collection, we extrapolated the calculated delivery rates within the same planning watershed to that area. For the Navarro watershed, this occurred with the 1963 aerial photographs. The 1963 aerial photograph collection was missing approximately 408 acres from a 54,568-acre total area.

Results and Discussion - Skid Trail Erosion

The results by time period for the skid trail sediment delivery estimates are summarized in Table B-3, Figure B-1 and Figure B-2. The estimates should be considered a minimum sediment delivery for skid trails constructed and used in the decade. Undoubtedly, some if not many, sediment delivering skid trails were vegetated enough to be overlooked during the inventory. In particular are those trails constructed or used greater than five years prior to aerial photograph reconnaissance.

Table B-3. Skid Trail Use and Sediment Delivery Estimates for Navarro WAU by Decade.

Planning Watershed	1940s		1950s		1960s		1970s		1980s		1990s	
	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)	Skid Trail Use Area (acres)	Sediment Delivery (tons/mi ² /yr)
Lower Navarro R.	361	12	190	6	220	4	193	9	816	30	386	4
Middle Navarro R.	221	2	2122	76	1038	40	2052	79	1036	42	606	7
N.Fork Navarro	151	8	1069	56	2108	99	1914	62	1099	47	424	5
Ray Gulch	79	5	132	2	542	36	371	12	515	35	402	22
Upper Navarro R.	602	47	1920	138	919	84	866	41	934	33	850	15
Hendy Woods	911	248	0	0	302	69	232	12	113	6	0	0
Rancheria	227	87	611	227	469	117	502	125	231	35	155	26
Mill Creek	0	0	0	0	105	12	0	0	318	148	0	0
Floodgate Creek	0	0	264	19	0	0	118	8	0	0	0	0
Flynn Creek	44	5	0	0	409	28	0	0	409	28	96	2
John Smith Crk.	744	93	765	29	601	58	1050	59	545	45	505	12
Dutch Henry Crk.	1635	104	2799	111	0	0	2170	39	1551	36	991	11
Little N.Fk.Nav. R.	1023	42	3815	114	1141	13	3953	120	2729	73	2084	21
Lower S.B. Nav.R.	0	0	2075	137	2159	150	1255	28	471	11	741	9
Mid S.B. Nav.R.	777	32	1680	52	3748	99	4409	93	4652	124	2938	38
Upper S.B. Nav.R.	93	6	2700	169	1880	79	3100	106	3360	72	1593	17
N.Fk.Indian Crk.	945	152	1086	188	309	9	27	1	0	0	0	0

Figure B-1. Estimated Skid Trail Sediment Delivery Rate by Calwater Planning Watershed and Decade for Navarro West, Navarro WAU.

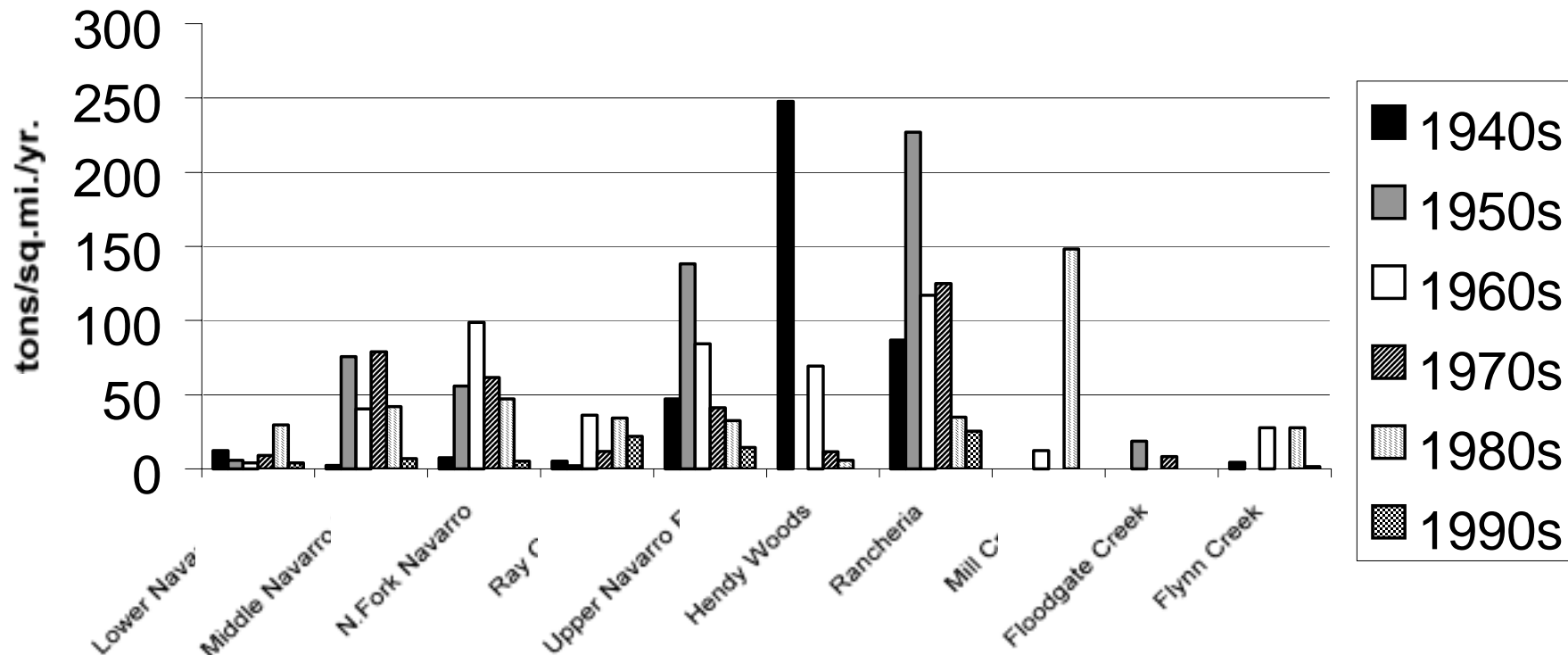
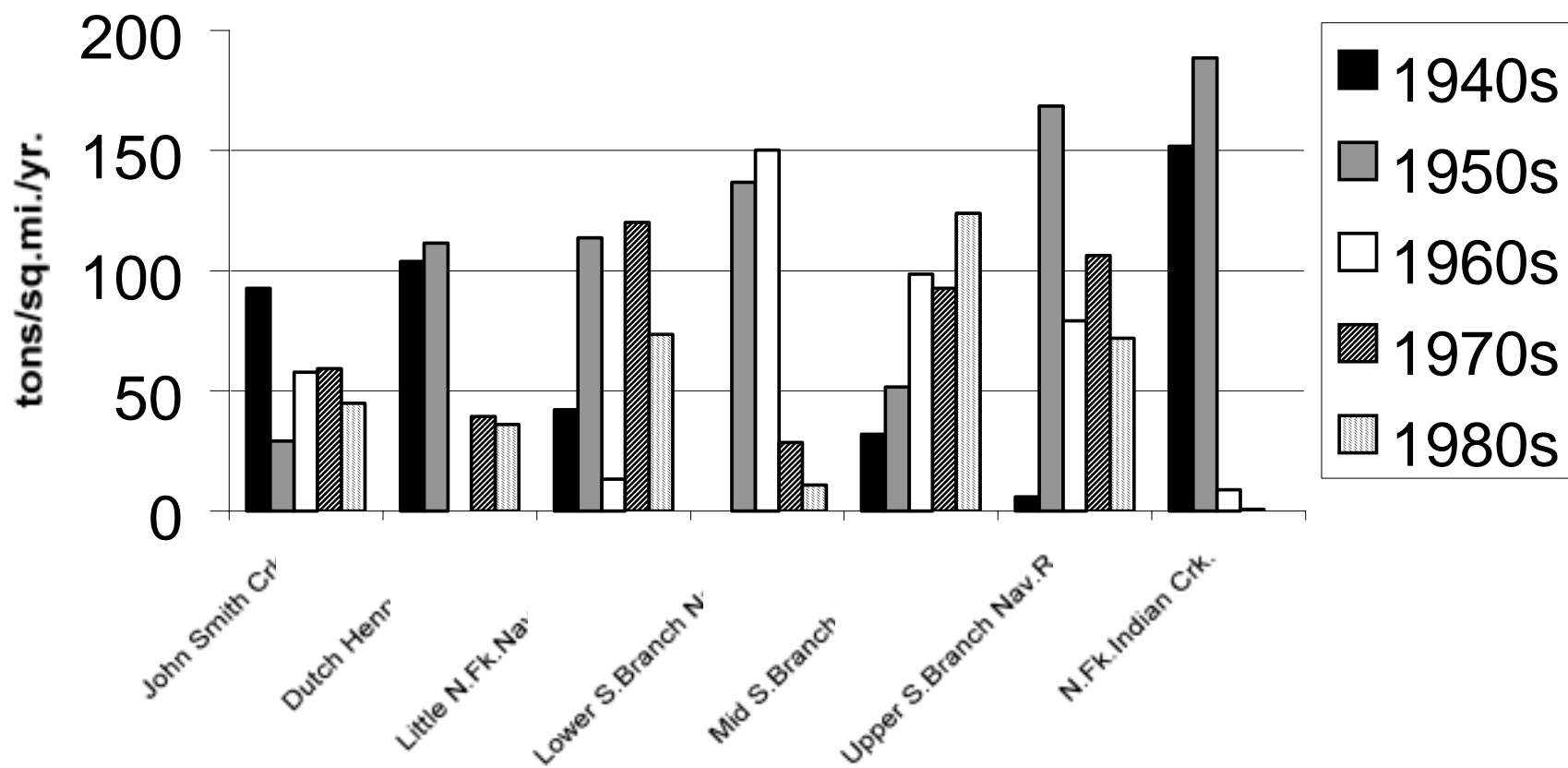


Figure B-2. Estimated Skid Trail Sediment Delivery Rate by Calwater Planning Watershed and Decade for Navarro East, Navarro WAU.



In the Navarro WAU the entire forested portion of what is now the MRC ownership was harvested using tractor based yarding during the 1940s, 1950s and 1960s. This high level of skid trail construction and use is estimated to contribute a high level of sediment delivery. In general, sediment delivery rates were higher in Navarro East during the 1940s and 1950s than Navarro West. (See Figures B-1, B-2). In Navarro West, six of the ten planning watersheds had their skid trail use area and sediment delivery peaks during the 1950s or 1960s (See Table B-1). Navarro East has a more consistent sediment delivery rate for the duration of the time period than Navarro West (See Figure B-1). Henty Woods, Rancheria, Mill Creek and Floodgate Creek planning watersheds all had Mendocino Redwood Company-owned acreage at less than 1,000 acres.

In the late 1970s and 1980s a change in skid trail design likewise changed sediment delivery rates. A “Herringbone” type layout abandoned the low-slope trail designs of earlier times and placed the trails along ridges and branched out down the slopes. This produced a significant drop in skid trail watercourse crossings. The Herringbone pattern affected the designation of low, moderate and high skid trail usage.

In the 1990s skid trail sediment delivery rates diminished in all watersheds. This is a result of a combination of less harvest activity and stricter regulations on tractor based yarding use. Future skid trail sediment delivery rates will be lower than past rates because California Forest Practice Rules and MRC policy mandate better managed tractor yarding activities. Better erosion control measures are used on skid trails such as increased water bar spacing and a practice by MRC of packing the trails with logging debris (slash), when available, after operations to prevent surface erosion. Furthermore, skid trail operation is limited next to watercourses and prohibited directly in watercourses.

Literature Cited

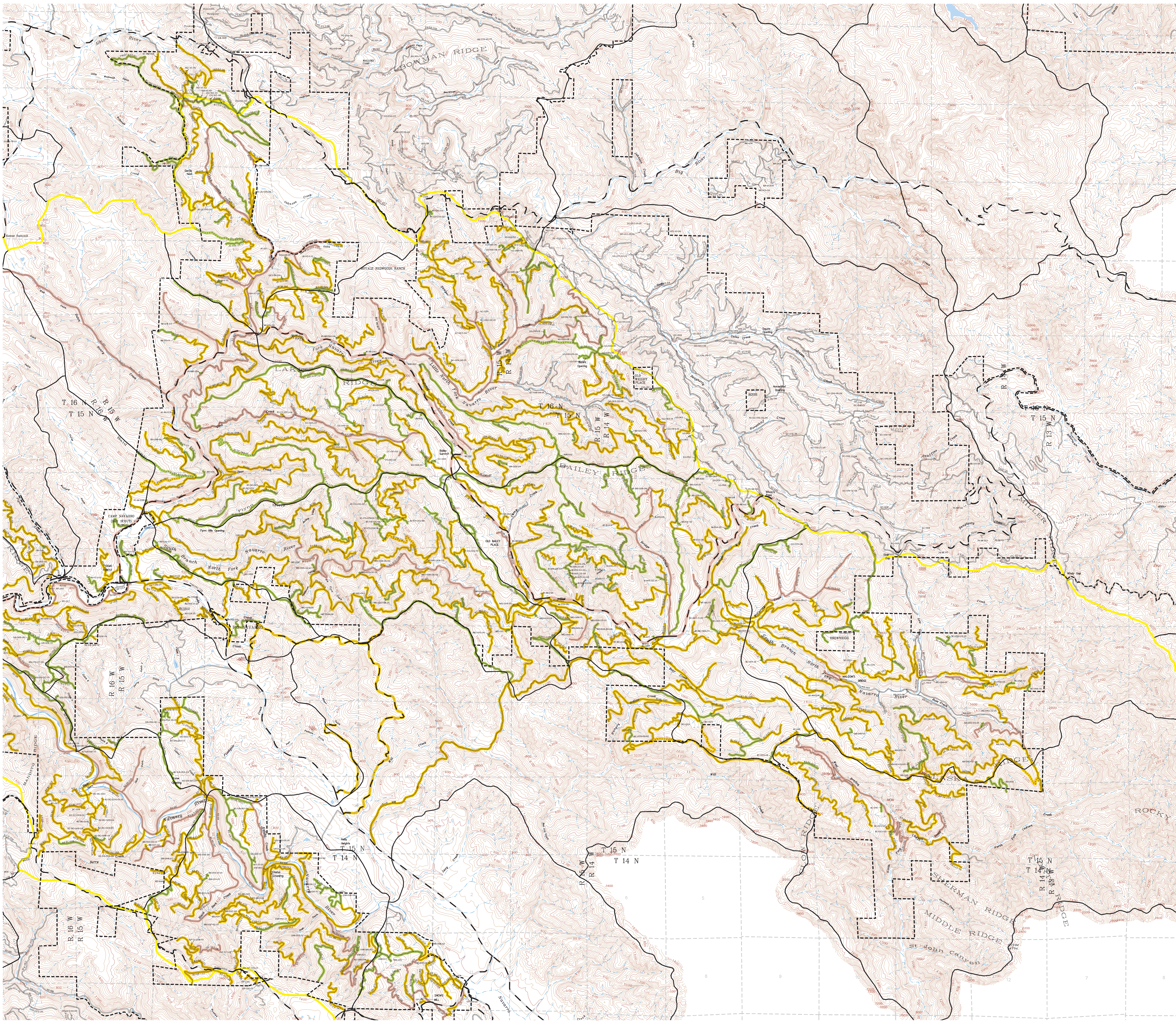
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Mendocino Redwood Company. 2000. Noyo River watershed analysis. Internal report, Fort Bragg, CA.

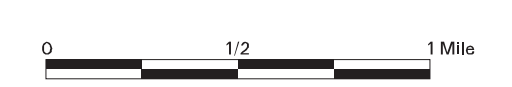
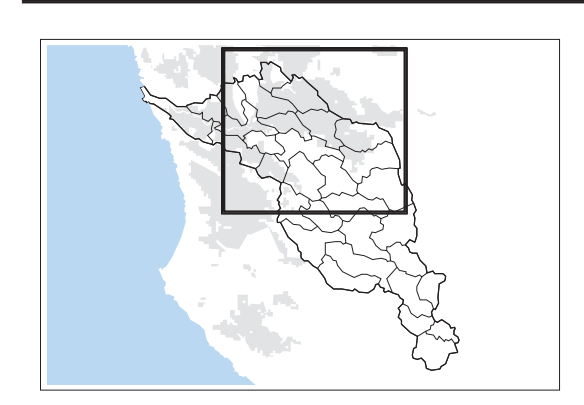
Washington Forest Practice Board. 1995. Standard methodology for conducting watershed analysis. Version 4.0. WA-DNR Seattle, WA.

Map B-1 (A)
Road Erosion Hazard
Classifications

This map presents an erosion hazard rating for the MRC roads. High erosion hazard roads have the highest amount of recent deliverable surface erosion to watercourses and a high potential for future deliverable erosion. Active roads in this class should get the highest priority for maintenance or improvements. Closed roads in this class will need improvements before opening again. Opening abandoned roads in this class should be avoided. Moderate erosion hazard roads have moderate amounts of recent deliverable surface erosion to watercourses and potential for future deliverable erosion. Active roads in this class should be a priority for maintenance. Closed or abandoned roads in this class will need some improvements before opening again. Low Erosion Hazard roads have low amounts of recent deliverable surface erosion to watercourses and low potential for future deliverable erosion. These roads can be active, abandoned or closed. Active roads in this class do not need to be a priority for maintenance. Closed or abandoned roads in this class will need only some improvements before opening again.

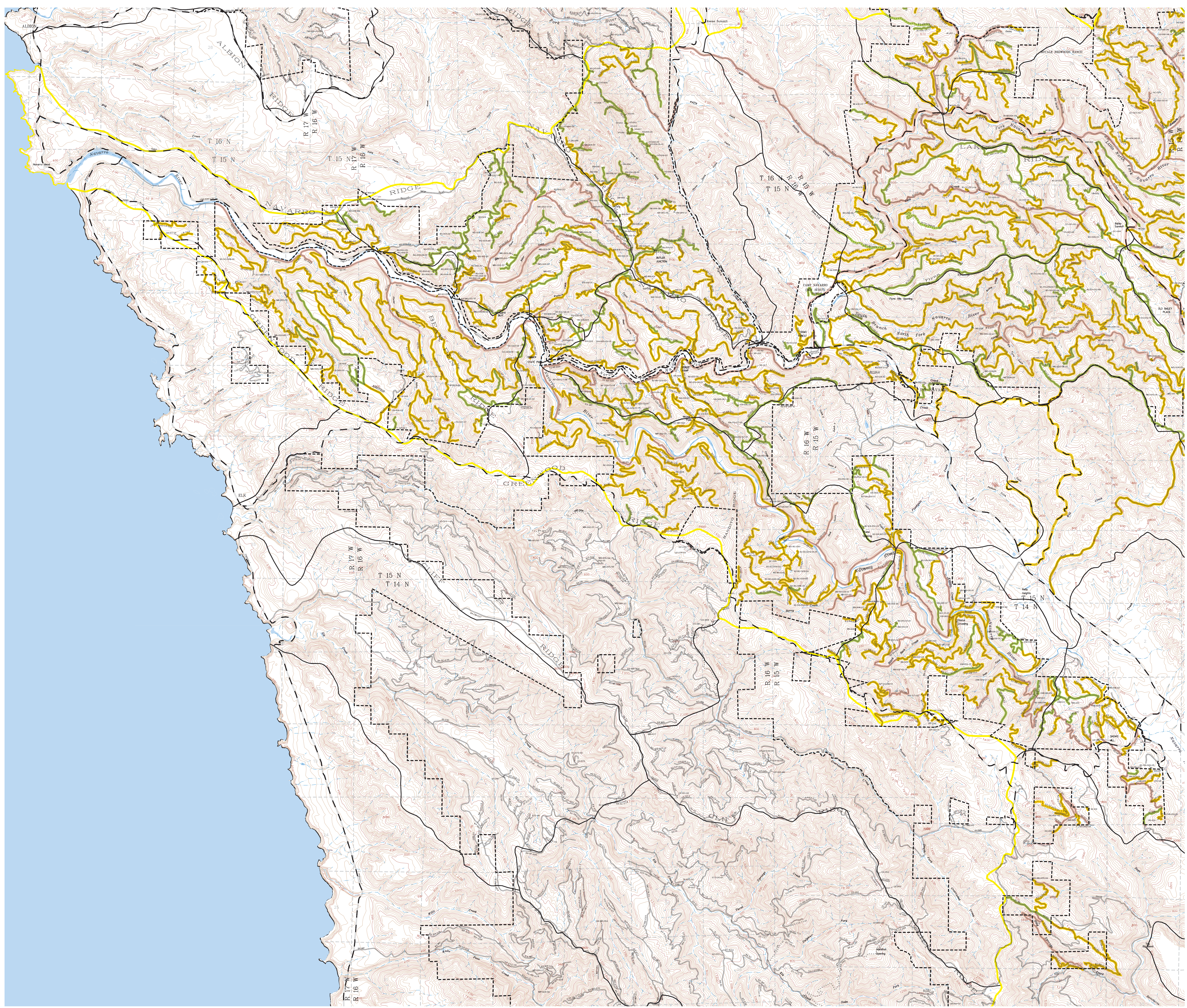


- Erosion Hazard Classes**
- Low
 - Moderate
 - High
- Boundaries**
- MRC Ownership
 - Planning Watershed Boundary
 - Navarro River Watershed Boundary
- Transportation**
- Paved Road
 - Rocked Road
 - Native Road
 - Jeep Trail
 - Railroad
- Flow Class**
- Class I
 - Class II
 - Class III
- Topography**
- Index Contour (200' interval)
 - Regular Contour (40' interval)

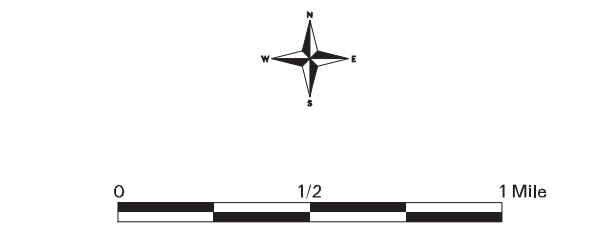
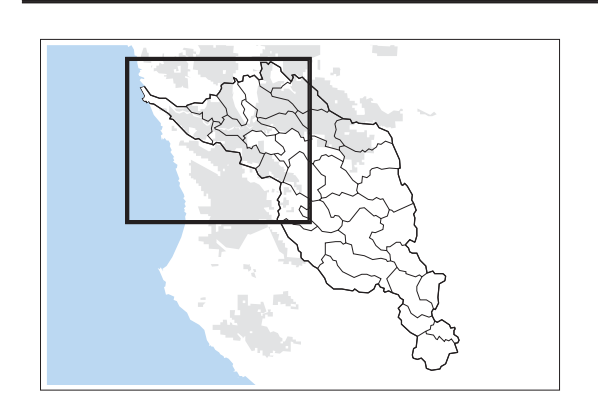


**Map B-1 (B)
Road Erosion Hazard
Classifications**

This map presents an erosion hazard rating for the MRC roads. High erosion hazard roads have the highest amount of recent deliverable surface erosion to watercourses and a high potential for future deliverable erosion. Active roads in this class should get the highest priority for maintenance or improvements. Closed roads in this class will need improvements before opening again. Opening abandoned roads in this class should be avoided. Moderate erosion hazard roads have moderate amounts of recent deliverable surface erosion to watercourses and potential for future deliverable erosion. Active roads in this class should be a priority for maintenance. Closed or abandoned roads in this class will need some improvements before opening again. Low Erosion Hazard roads have low amounts of recent deliverable surface erosion to watercourses and low potential for future deliverable erosion. These roads can be active, abandoned or closed. Active roads in this class do not need to be a priority for maintenance. Closed or abandoned roads in this class will need only some improvements before opening again.

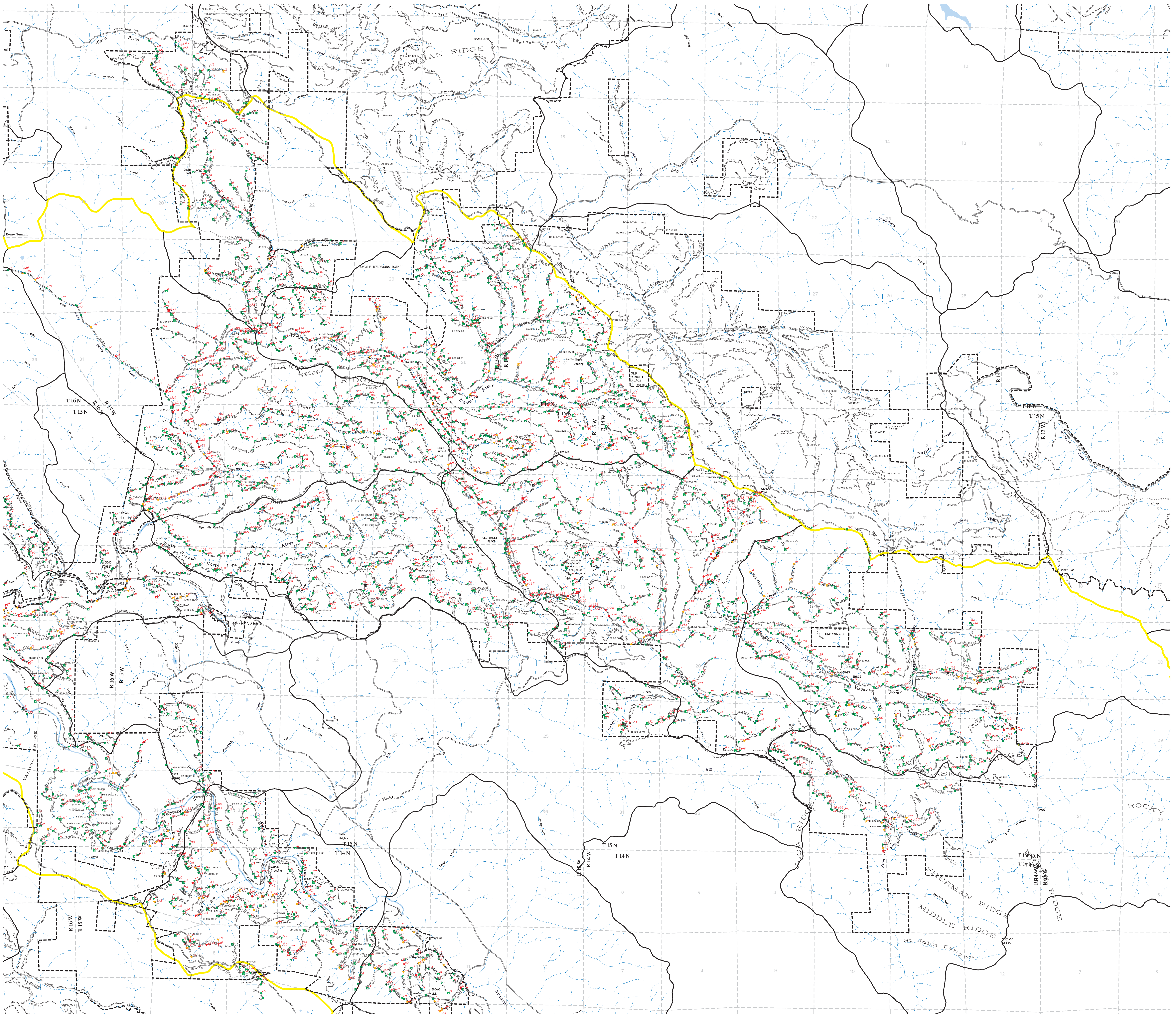


- Erosion Hazard Classes**
- Low
 - Moderate
 - High
- MRC Ownership**
--- Planning Watershed Boundary
--- Navarro River Watershed Boundary
- | | |
|-----------------------------|-------------------|
| Transportation Class | Flow Class |
| — Paved Road | — Class I |
| — Rocked Road | — Class II |
| — Native Road | — Class III |
| — Jeep Trail | |
| — Railroad | |
- Topography**
- Index Contour (200' interval)
 - Regular Contour (40' interval)



Map B-2 (A)
Road Feature
Treatment Immediacy

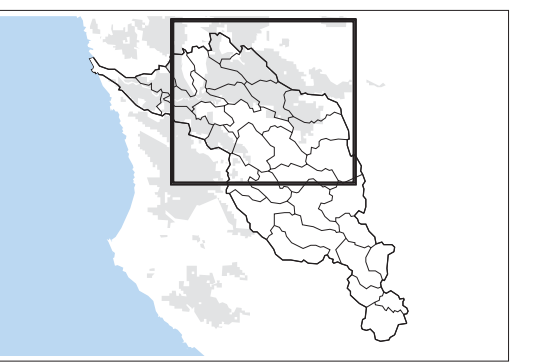
This map presents select results from MRC's road inventory. The entire road network and road features were mapped from 1997-2000 using global positioning systems (GPS). For each feature with the potential to create erosion (culverts, landings, crossings) the treatment immediacy for the feature was assigned. The treatment immediacy represents the level of concern for either upgrading or maintenance to the feature.



- | | | |
|-----------------|------------------|-----------------|
| Culverts | Crossings | Landings |
| • High | • High | • High |
| • Moderate | • Moderate | • Moderate |
| • Low | • Low | • Low |
| • None | • None | • None |
| • Undetermined | • Undetermined | • Undetermined |

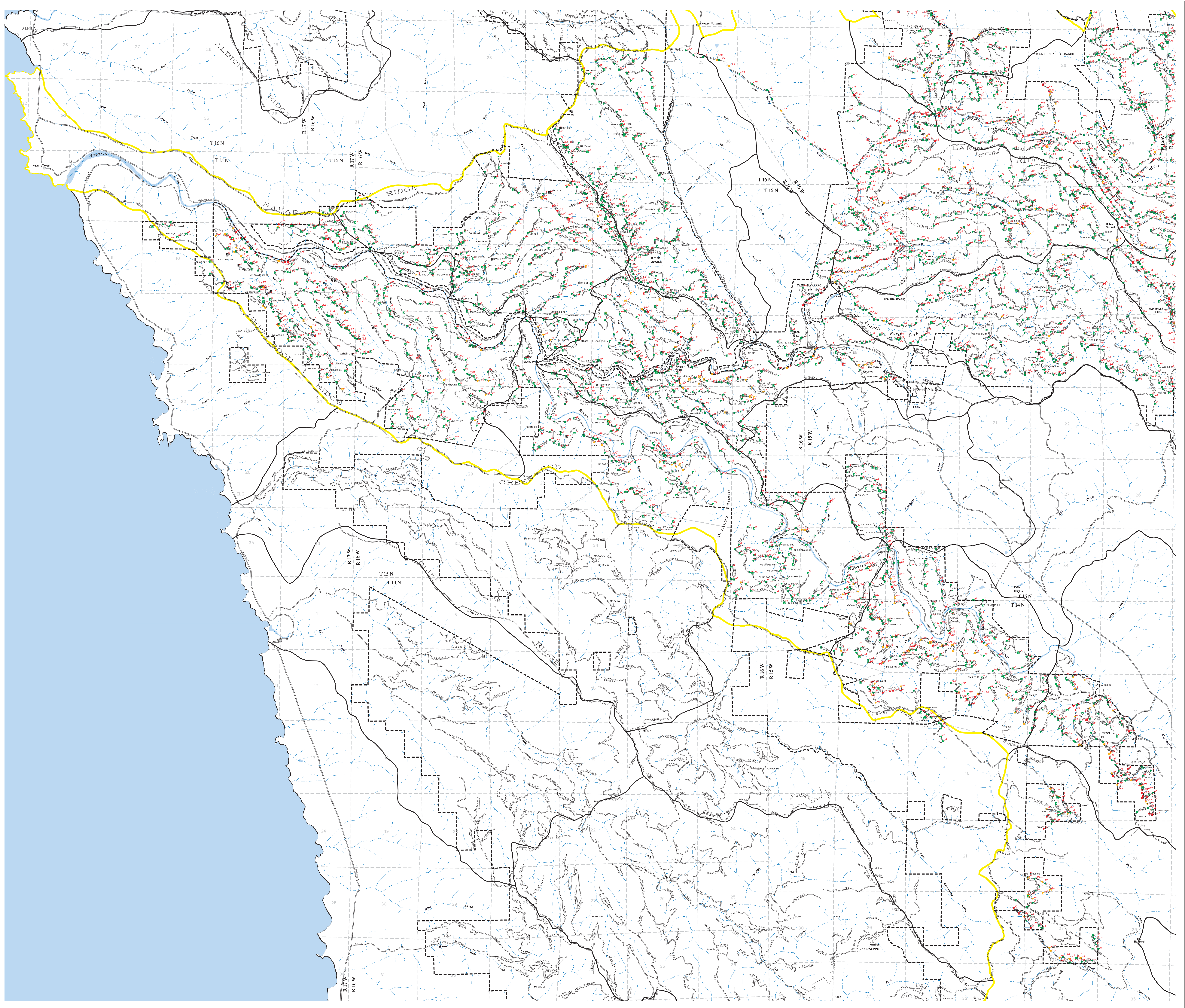
- MRC Ownership
- Planning Watershed Boundary
- Navarro River Watershed Boundary

- | | |
|-----------------------|-------------------|
| Transportation | Flow Class |
| — Paved Road | — Class I |
| — Rocked Road | — Class II |
| — Native Road | — Class III |
| --- Jeep Trail | |
| — Railroad | |



**Map B-2 (B)
Road Feature
Treatment Immediacy**

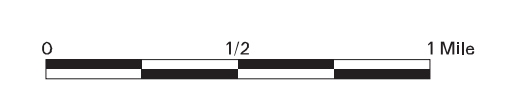
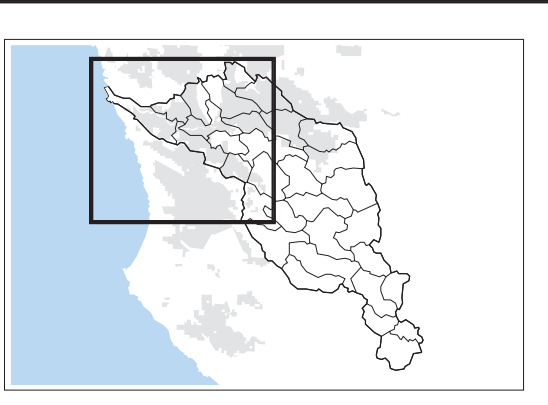
This map presents select results from MRC's road inventory. The entire road network and road features were mapped from 1997-2000 using global positioning systems (GPS). For each feature with the potential to create erosion (culverts, landings, crossings) the treatment immediacy for the feature was assigned. The treatment immediacy represents the level of concern for either upgrading or maintenance to the feature.



Culverts	Crossings	Landings
High	High	High
Moderate	Moderate	Moderate
Low	Low	Low
None	None	None
Undetermined	Undetermined	Undetermined

--- MRC Ownership	--- Planning Watershed Boundary	--- Navarro River Watershed Boundary
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Transportation	Flow Class
Paved Road	Class I
Rocked Road	Class II
Native Road	Class III
Jeep Trail	
Railroad	



APPENDIX B
Surface and Point Source Erosion Module

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd^3)	Diversion Potential
81-M	192	19.22	watercourse	high	41050	yes, ditch
81-M	200	20.00	watercourse	high	33250	yes, ditch
81-M	318	31.72	watercourse	high	12310	yes, ditch
81-M	229	22.95	watercourse	high	10230	no div. potential
81-M	246	24.57	watercourse	high	9000	yes, road
81-M	235	23.48	watercourse	high	7300	no div. potential
81-M	287	28.69	watercourse	high	6000	no div. potential
81-M	304	30.36	watercourse	high	4000	no div. potential
81-M	201	20.06	ditch relief	high	3500	yes, ditch
81-M	287	28.69	watercourse	high	3210	no div. potential
81-AR-043-29	1	0.01	watercourse	high	2600	no div. potential
81-M	216	21.61	watercourse	high	2500	yes, ditch
81-M	263	26.26	watercourse	high	2200	yes, ditch
81-M	310	31.05	ditch relief	high	2000	yes, ditch
81-M	226	22.56	watercourse	high	2000	yes, ditch
81-M	265	26.43	ditch relief	high	1800	yes, ditch
81-M	298	29.01	watercourse	high	1600	yes, ditch
81-M	269	26.73	ditch relief	high	1500	yes, ditch
81-M	317	31.60	watercourse	high	1500	no div. potential
81-M	190	18.94	ditch relief	high	1400	yes, ditch
81-M	275	27.42	ditch relief	high	1200	yes, ditch
81-M	264	26.35	ditch relief	high	1000	yes, ditch
81-M	300	29.97	watercourse	high	930	yes, ditch
81-AR-043-05	18	1.78	watercourse	high	800	yes, road
81-M	337	33.70	ditch relief	high	760	yes, ditch
81-M	323	32.19	watercourse	high	745	yes, ditch
81-M	330	32.80	ditch relief	high	740	yes, ditch
81-M	234	23.41	watercourse	high	740	yes, ditch
81-M	250	25.03	watercourse	high	740	yes, ditch
81-M	252	25.16	watercourse	high	740	no div. potential
81-M	282	28.09	watercourse	high	600	yes, ditch
81-M	328	32.60	ditch relief	high	565	yes, ditch
81-M	238	23.80	watercourse	high	550	yes, ditch
81-M	259	25.92	watercourse	high	500	yes, ditch
81-M	271	26.92	ditch relief	high	500	yes, ditch
81-M	253	25.31	watercourse	high	500	yes, ditch
81-RW-017	17	1.73	watercourse	high	474	no div. potential
81-M-250	5	0.51	watercourse	high	473	no div. potential
81-M	320	31.98	ditch relief	high	400	yes, ditch
81-M	204	20.35	watercourse	high	370	yes, ditch
81-M	206	20.57	watercourse	high	370	already diverted
81-M	248	24.82	watercourse	high	370	yes, road
81-M	273	27.15	ditch relief	high	350	yes, ditch
81-AR-043-29	2	0.13	watercourse	high	325	no div. potential
81-M	222	22.21	watercourse	high	310	yes, ditch
81-M	332	33.09	ditch relief	high	305	yes, ditch
81-M	322	32.19	ditch relief	high	270	no div. potential
81-M	293	29.31	watercourse	high	250	yes, ditch
81-M	193	19.30	ditch relief	high	250	yes, road
81-M	236	23.61	ditch relief	high	250	yes, road
81-CC-025	16	1.47	watercourse	high	237	no div. potential
81-M	203	20.25	ditch relief	high	230	yes, ditch
81-M	267	26.60	ditch relief	high	200	yes, ditch
81-M	289	28.93	ditch relief	high	200	yes, ditch
81-M	255	25.45	watercourse	high	200	yes, ditch
81-M	331	32.95	ditch relief	high	185	yes, ditch
81-M	244	24.36	ditch relief	high	170	yes, road
81-CC-025	2	0.24	watercourse	high	148	no div. potential
81-M	239	23.90	ditch relief	high	130	yes, ditch
81-M	225	22.47	ditch relief	high	120	yes, ditch
81-M	280	27.94	watercourse	high	110	yes, ditch
81-M	271	26.92	watercourse	high	100	yes, ditch
81-M	294	29.40	watercourse	high	100	yes, ditch
81-M	313	31.27	ditch relief	high	95	yes, ditch
81-RW-021	25	2.45	watercourse	high	92	no div. potential
81-M	231	23.10	watercourse	high	90	yes, ditch
81-M	241	24.06	ditch relief	high	90	yes, road
81-DH	8	0.81	watercourse	high	75	yes, ditch
81-M	299	29.84	ditch relief	high	75	yes, ditch
81-MD	29	2.65	ditch relief	high	74	no div. potential
81-M	263	26.27	watercourse	high	60	yes, ditch
81-M-260	5	0.50	watercourse	high	59	no div. potential
81-LG-016	7	0.74	watercourse	high	55	no div. potential
81-M	233	23.25	ditch relief	high	55	yes, ditch
81-M	316	31.50	ditch relief	high	50	yes, ditch
81-M	194	19.34	watercourse	high	50	yes, ditch
81-CC-019	5	0.47	watercourse	high	47	no div. potential
81-CC-025	15	1.46	ditch relief	high	46	no div. potential
81-AR-043	19	1.79	watercourse	high	45	no div. potential
81-M	326	32.46	ditch relief	high	40	yes, ditch
81-M	264	26.35	ditch relief	high	30	yes, ditch
81-M	265	26.43	ditch relief	high	30	yes, ditch
81-M	266	26.51	ditch relief	high	30	yes, ditch
81-M	267	26.60	ditch relief	high	30	yes, ditch
81-M	268	26.64	watercourse	high	30	yes, ditch

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-AR	34288	26.6	1.1	27.6	Moderate
81-AR-002	1441	16.0	33.8	49.8	High
81-AR-003	5380	22.0	37.8	59.8	Moderate
81-AR-012	2608	8.5	0.0	8.5	Moderate
81-AR-014	348	0.0	0.0	0.0	Low
81-AR-017	4715	21.3	81.0	102.3	Moderate
81-AR-018	2017	2.1	3.8	5.9	Moderate
81-AR-019	9187	21.3	5.1	26.4	Moderate
81-AR-019-05	660	0.0	0.0	0.0	Low
81-AR-019-16	570	1.0	1.4	2.4	Moderate
81-AR-039	1674	1.4	3.2	4.6	Moderate
81-AR-041	248	0.0	0.0	0.0	Low
81-AR-042	18290	30.8	88.3	119.1	Moderate
81-AR-042-05	3759	4.8	297.0	301.8	Moderate
81-AR-043	13981	37.2	11.1	48.2	Moderate
81-AR-043-03	2086	0.0	0.0	0.0	Low
81-AR-043-03-01	465	0.0	0.0	0.0	Low
81-AR-043-05	2012	0.0	0.0	0.0	Low
81-AR-043-13	269	0.0	0.0	0.0	Low
81-AR-054	3142	0.0	0.0	0.0	Low
81-AR-064	882	0.3	0.0	0.3	Moderate
81-AR-065	2360	4.1	0.0	4.1	Moderate
81-B	12102	184.7	51.8	236.5	High
81-B-002	8052	0.0	0.0	0.0	Low
81-B-005	23216	52.6	5.7	58.3	Low/Moderate
81-B-005-01	1558	1.2	0.0	1.2	Moderate
81-B-005-02	2476	2.5	6.2	8.8	Moderate
81-B-005-02-01	639	0.0	0.0	0.0	Low
81-B-005-14	840	0.0	0.0	0.0	Low
81-B-005-15	1742	0.0	0.0	0.0	Low
81-B-005-17	576	0.0	0.0	0.0	Low
81-B-005-18	3311	0.0	0.0	0.0	Low
81-B-005-20	3179	0.0	0.0	0.0	Low
81-B-005-21	586	0.0	0.0	0.0	Low
81-B-005-22	3348	0.0	0.0	0.0	Low
81-B-005-23	259	0.0	0.0	0.0	Low
81-B-005-25	438	0.0	0.0	0.0	Low
81-B-005-29	2482	0.0	0.0	0.0	Low
81-B-005-29-01	259	0.0	0.0	0.0	Low
81-B-005-29-02	195	0.0	0.0	0.0	Low
81-B-005-29-03	116	0.0	0.0	0.0	Low
81-B-005-29-04	84	0.0	0.0	0.0	Low
81-B-005-29-05	433	0.0	0.0	0.0	Low
81-B-005-29-06	106	0.0	0.0	0.0	Low
81-B-005-35	2028	1.0	0.0	1.0	Moderate
81-B-016	3448	33.9	43.5	77.3	High
81-B-016-04	201	2.7	0.0	2.7	Moderate
81-B-017	1742	7.1	0.0	7.1	Moderate
81-BC	18126	61.3	10.5	71.8	Low/Moderate
81-BC-001	14224	59.9	4.3	64.2	Moderate
81-BC-001-07	1705	2.4	0.0	2.4	Moderate
81-BC-001-11	2825	0.0	0.0	0.0	Low
81-BC-001-11-01	259	0.0	0.0	0.0	Low
81-BC-001-11-02	560	0.0	0.0	0.0	Low
81-BC-001-13	2043	6.6	0.0	6.6	Moderate
81-BC-001-18	354	0.0	0.0	0.0	Low
81-BC-002	570	12.4	0.0	12.4	Moderate
81-BC-004	3237	4.2	23.0	27.1	Moderate
81-BC-004-04	5539	1.1	0.0	1.1	Moderate
81-BC-004-04-01	1019	12.9	0.0	12.9	Moderate
81-BC-004-04-02	1230	0.0	0.0	0.0	Low
81-BC-004-04-03	903	0.0	0.0	0.0	Low
81-BC-011	7904	14.4	0.8	15.2	Moderate
81-BC-011-01	2313	0.4	0.0	0.4	Moderate
81-BC-012	1473	6.5	4.9	11.4	Moderate
81-BC-013	3316	11.8	6.8	18.6	Moderate
81-BC-018	1362	0.0	0.0	0.0	Low
81-BC-020	9425	2.7	0.0	2.7	Moderate
81-BC-020-05	6637	18.6	5.4	24.0	Moderate
81-BC-020-05-01	1077	15.8	18.4	34.1	Low
81-BC-023	9140	0.0	0.0	0.0	Low
81-BC-023-05	2941	21.1	2.7	23.8	Moderate
81-BC-023-11	2101	4.4	7.6	12.0	Moderate
81-BC-023-14	993	2.1	0.8	2.9	Moderate
81-BC-025	354	0.0	0.0	0.0	Low
81-BC-029	908	0.5	0.0	0.5	Moderate
81-BH	13649	15.1	3.5	18.6	Moderate
81-BH-007	3685	3.1	9.7	12.8	Moderate
81-BH-014	1024	0.0	0.0	0.0	Low
81-BH-015	4625	0.0	0.0	0.0	Low
81-BH-018	5613	8.4	1.4	9.8	Moderate
81-BH-018-02	1901	0.0	0.0	0.0	Low
81-BH-018-05	195	0.0	0.0	0.0	Low

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-BH-018-07	697	0.0	0.0	0.0	Low
81-BR	21099	0.0	0.0	0.0	Low
81-BR-008	4240	5.9	0.0	5.9	Moderate
81-BR-009	9008	7.7	18.4	26.0	Moderate
81-BR-009-04	972	0.0	0.0	0.0	Low
81-BR-016	407	0.0	0.0	0.0	Low
81-BR-018	9472	0.0	0.0	0.0	Low
81-BR-018-07	2677	0.0	0.0	0.0	Low
81-BR-018-11	3691	0.5	0.0	0.5	Moderate
81-BR-018-17	1389	0.0	0.0	0.0	Low
81-BR-024	2147	0.0	0.0	0.0	Low
81-BR-026	2698	0.0	0.0	0.0	Low
81-BR-028	4340	0.0	0.0	0.0	Low
81-BR-028-05	1452	1.1	75.3	76.4	High
81-BR-029	5512	1.2	0.3	1.5	Moderate
81-BR-029-05	507	0.0	0.0	0.0	Low
81-BR-032	692	0.0	0.0	0.0	Low
81-BR-036	3907	0.0	0.0	0.0	Low
81-BR-036-01	148	0.0	0.0	0.0	Low
81-BR-036-02	2381	0.0	0.0	0.0	Low
81-BR-036-04	454	0.0	0.0	0.0	Low
81-BR-038	201	0.0	0.0	0.0	Low
81-BR-040	180	0.0	0.0	0.0	Low
81-BV-001	2165	0.0	0.0	0.0	Low
81-BV-001-02	2368	0.7	0.0	0.7	Moderate
81-BV-003	591	0.0	0.0	0.0	Low
81-BV-005	3237	0.0	0.0	0.0	Low
81-BV-007	10813	11.8	0.0	11.8	Low/Moderate
81-BV-007-05	1927	0.0	0.0	0.0	Low
81-BV-007-07	523	0.0	0.0	0.0	Low
81-BV-007-09	908	0.0	0.0	0.0	Low
81-BV-007-11	2165	0.0	0.0	0.0	Low
81-BV-007-15	3258	3.1	0.0	3.1	Moderate
81-BV-007-22	528	0.0	0.0	0.0	Low
81-BV-009	1341	0.0	0.0	0.0	Low
81-BV-009-02	2656	22.3	0.0	22.3	Moderate
81-CC	12450	62.2	26.7	89.0	Moderate/High
81-CC-001	253	0.0	0.0	0.0	Low
81-CC-004	401	0.0	0.0	0.0	Low
81-CC-005	908	0.0	0.0	0.0	Low
81-CC-005-01	597	0.0	0.0	0.0	Low
81-CC-008	2566	9.7	48.1	57.7	Moderate
81-CC-011	6727	6.2	5.4	11.6	Moderate
81-CC-011-01	977	2.9	21.3	24.2	Moderate
81-CC-011-03	544	8.8	0.0	8.8	High
81-CC-012	3184	0.6	0.0	0.6	Low
81-CC-016	1890	1.0	1.6	2.6	Moderate
81-CC-016-01	977	0.6	4.3	4.9	Moderate
81-CC-019	10676	15.6	37.0	52.6	Moderate
81-CC-019-03	1014	23.9	79.9	103.8	High
81-CC-019-05	2117	1.7	2.7	4.4	Moderate
81-CC-019-06	7049	10.0	0.0	10.0	Moderate
81-CC-019-06-01	364	0.0	0.0	0.0	Low
81-CC-024	11004	7.5	31.3	38.8	Moderate
81-CC-025	9493	35.3	169.3	204.6	High
81-CC-025-01	348	1.4	6.2	7.6	Moderate
81-CC-025-02	734	8.2	0.0	8.2	High
81-CC-025-04	317	0.3	0.0	0.3	Moderate
81-CU-001	496	0.0	0.0	0.0	Low
81-CU-001-02	306	0.0	0.0	0.0	Low
81-DC	23332	46.1	112.6	158.7	Moderate
81-DC-002	3015	0.0	0.0	0.0	Low
81-DC-009	1257	8.7	0.0	8.7	Moderate
81-DC-018	15037	0.0	0.0	0.0	Low
81-DC-019	164	0.0	0.0	0.0	Low
81-DC-021	1700	1.6	6.2	7.8	Moderate
81-DC-022	1003	0.0	0.0	0.0	Low
81-DC-044	6500	4.7	51.0	55.8	Moderate
81-DC-044-06	3696	0.0	0.0	0.0	Low
81-DC-045	2239	5.8	0.0	5.8	Moderate
81-DH	16980	149.2	12.2	161.3	High
81-FH	7624	0.0	0.0	0.0	Low
81-FH-003	6094	8.9	0.0	8.9	Low/Moderate
81-FH-003-07	1647	0.0	0.0	0.0	Low
81-FH-003-07-01	1019	0.0	0.0	0.0	Low
81-FH-003-12	3728	0.0	0.0	0.0	Low
81-FH-003-13	1162	0.0	0.0	0.0	Low
81-FH-003-15	338	2.3	0.0	2.3	Moderate
81-FH-005	7334	10.5	62.6	73.2	Moderate
81-FH-005-06	3078	7.8	47.8	55.6	Moderate
81-FH-012	5993	3.1	0.0	3.1	Moderate
81-FH-012-02	1373	0.0	0.0	0.0	Low
81-FH-013	11209	7.3	2.7	10.0	Moderate

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-FH-013-09	507	0.0	0.0	0.0	Low
81-FH-013-14	1911	0.0	0.0	0.0	Low
81-FH-014	10280	0.0	0.0	0.0	Low
81-FH-015	3738	0.0	0.0	0.0	Low
81-FH-015-02	253	0.0	0.0	0.0	Low
81-FH-015-04	259	0.0	0.0	0.0	Low
81-FH-015-06	502	0.0	0.0	0.0	Low
81-IC	15888	107.7	88.0	195.7	Low/High
81-IC-003	14362	38.9	0.3	39.1	Moderate
81-IC-003-04	871	0.0	0.0	0.0	Low
81-IC-014	4066	24.7	51.3	76.0	Moderate
81-IC-018	623	0.0	0.0	0.0	Low
81-IC-022	3717	17.2	11.3	28.6	Moderate
81-IC-022-02	401	0.4	0.5	1.0	Moderate
81-IC-022-03	444	0.0	0.0	0.0	Low
81-JS	17308	205.8	0.0	205.8	High
81-JS-001	2460	0.0	0.0	0.0	Low
81-JS-006	882	0.0	0.0	0.0	Moderate
81-JS-007	1547	5.3	0.0	5.3	Moderate
81-JS-008	908	2.6	4.1	6.6	Moderate
81-JS-012	5908	3.7	2.7	6.4	Moderate
81-JS-012-01	2846	1.1	5.1	6.2	Moderate
81-JS-012-01-01	972	0.0	0.0	0.0	Low
81-JS-012-03	861	4.2	4.1	8.2	Moderate
81-JS-013	533	2.8	0.0	2.8	Moderate
81-JS-015	3680	2.4	0.0	2.4	Moderate
81-JS-015-01	3036	0.0	0.0	0.0	Low
81-JS-015-02	2107	0.0	0.0	0.0	Moderate
81-JS-021	317	0.8	0.0	0.8	Moderate
81-JS-016	982	5.9	0.0	5.9	Moderate
81-JS-016-02	1531	3.3	12.7	15.9	Moderate
81-JS-023	10122	71.6	2.2	73.7	Moderate/High
81-JS-023-05	2777	31.8	0.0	31.8	High
81-JS-023-05-01	1304	10.9	0.0	10.9	High
81-JS-023-05-02	1357	4.8	0.0	4.8	Moderate
81-JS-023-08	3844	2.1	0.0	2.1	Moderate
81-JS-023-08-01	222	0.0	0.0	0.0	Low
81-JS-023-08-02	2001	0.0	0.0	0.0	Low
81-JS-023-08-03	185	0.0	0.0	0.0	Low
81-JS-023-13	760	0.0	0.0	0.0	Low
81-JS-023-15	1130	0.0	0.0	0.0	Low
81-JS-026	9171	52.3	27.8	80.1	Moderate/High
81-JS-026-01	3305	41.2	2.7	43.9	High
81-JS-026-02	2059	12.1	0.0	12.1	Moderate
81-JS-026-03	7286	9.3	27.3	36.6	Low/Moderate
81-JS-026-03-01	1383	0.0	0.0	0.0	Low
81-JS-026-15	385	0.0	0.0	0.0	Low
81-JS-028	5808	8.4	72.6	81.1	Moderate
81-JS-028-05	164	0.0	0.0	0.0	Low
81-JS-028-09	4599	0.0	0.0	0.0	Low
81-LG-004	2323	5.5	0.0	5.5	Moderate
81-LG-006	3891	4.0	0.0	4.0	Moderate
81-LG-006-04-01	121	0.0	0.0	0.0	Low
81-LG-006-02	639	0.0	0.0	0.0	Low
81-LG-006-04	612	0.0	0.0	0.0	Low
81-LG-006-05	945	0.0	0.0	0.0	Low
81-LG-008	5665	0.0	0.0	0.0	Low
81-LG-008-06	581	0.0	0.0	0.0	Low
81-LG-008-08	1980	2.7	0.0	2.7	Moderate
81-LG-012	2751	0.0	0.0	0.0	Low
81-LG-012-01	2107	0.0	0.0	0.0	Low
81-LG-012-03	1959	0.4	0.0	0.4	Moderate
81-LG-016	14800	9.4	1085.9	1095.3	High
81-LG-016-01	69	0.0	0.0	0.0	Low
81-LG-016-06	3934	7.9	6.8	14.7	Moderate
81-LG-016-18	475	0.0	0.0	0.0	Low
81-LG-016-24	396	0.0	0.0	0.0	Low
81-LG-030	3902	0.0	0.0	0.0	Low
81-LG-030-03-01	1505	0.0	0.0	0.0	Low
81-LG-030-02	132	0.0	0.0	0.0	Low
81-LG-030-03	3379	0.2	0.5	0.7	Moderate
81-LG-030-04	1368	0.0	0.0	0.0	Low
81-LG-030-05	9187	4.7	4.1	8.8	Moderate
81-LG-030-05-02	1278	0.6	0.0	0.6	Moderate
81-LG-030-07	4145	0.0	0.0	0.0	Low
81-LG-030-08	671	0.0	0.0	0.0	Low
81-LG-030-05-01	1542	0.0	0.0	0.0	Low
81-LG-030-05-03	480	0.0	0.0	0.0	Low
81-LG-036	834	0.0	0.0	0.0	Low
81-LG-036-02	127	0.0	0.0	0.0	Low
81-LG-038	2387	0.0	0.0	0.0	Low
81-LG-042	243	0.0	0.0	0.0	Low
81-LG-044	9546	97.5	32.4	129.9	Moderate/High

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-LG-044-09-01	1357	1.0	0.0	1.0	Moderate
81-LG-044-09-02	750	0.6	0.0	0.6	Moderate
81-LG-044-09	8654	7.2	1.4	8.5	Moderate
81-LG-044-12	227	2.0	0.0	2.0	Moderate
81-LG-044-14	940	0.6	0.0	0.6	Moderate
81-LG-044-19	354	0.3	0.0	0.3	Moderate
81-LG-046	79	0.0	0.0	0.0	Low
81-LG-048	127	0.0	0.0	0.0	Low
81-LG-050	829	0.0	0.0	0.0	Low
81-LG-054	180	0.0	0.0	0.0	Low
81-LG-056	502	0.0	0.0	0.0	Low
81-LG-070	9694	0.0	0.0	0.0	Low
81-LG-070-05	993	0.0	0.0	0.0	Low
81-LG-070-09	1088	0.0	0.0	0.0	Low
81-LG-080	10945	0.0	0.0	0.0	Low
81-LG-080-13	2629	0.7	0.0	0.7	Moderate
81-LG-080-15	628	0.0	0.0	0.0	Low
81-LR	10798	0.0	0.0	0.0	Low
81-LR-002	106	0.0	0.0	0.0	Low
81-LR-007	12403	21.3	58.3	79.6	Moderate
81-LR-007-17	1109	0.0	0.0	0.0	Low
81-LR-009	285	0.0	0.0	0.0	Low
81-LR-011	1014	0.0	0.0	0.0	Low
81-LR-013	2001	0.7	3.2	3.9	Low
81-LR-014	549	0.0	0.0	0.0	Low
81-LR-015	5417	1.5	7.0	8.5	Moderate
81-LR-015-08	1199	1.7	1.9	3.6	Moderate
81-LR-021	4081	0.0	0.0	0.0	Low
81-LR-021-04	1183	0.0	0.0	0.0	Low
81-LR-022	1109	12.6	0.5	13.1	Low
81-M	86143	867.6	12996.5	13864.1	High
81-M-192	1214	0.0	0.0	0.0	Low
81-M-193	2925	17.4	6.5	23.9	Moderate
81-M-194	8068	4.8	2.2	6.9	Moderate
81-M-194-05	428	0.0	0.0	0.0	Low
81-M-194-08	597	0.0	0.0	0.0	Low
81-M-202	12107	3.7	2.2	5.8	Moderate
81-M-202-08	338	0.0	0.0	0.0	Low
81-M-202-16	449	0.0	0.0	0.0	Low
81-M-210	1526	21.2	0.0	21.2	High
81-M-211	554	0.8	0.0	0.8	Moderate
81-M-219	338	1.3	0.0	1.3	Moderate
81-M-220	945	1.6	0.0	1.6	Moderate
81-M-222	180	2.6	0.0	2.6	Low
81-M-224	3390	25.3	0.0	25.3	Moderate
81-M-232	1732	15.6	0.0	15.6	Moderate
81-M-233	2339	22.3	3.5	25.8	Moderate
81-M-233-05	301	2.3	0.0	2.3	Moderate
81-M-236	454	0.1	0.0	0.1	Moderate
81-M-240	3268	5.3	0.0	5.3	Moderate
81-M-243	2988	49.6	97.2	146.8	High
81-M-243-01	1848	10.6	0.0	10.6	Moderate
81-M-246-09	8115	38.5	0.0	38.5	Moderate
81-M-246	2962	0.0	0.0	0.0	Low
81-M-247	1283	11.5	16.2	27.7	High
81-M-248	169	2.4	0.0	2.4	Moderate
81-M-250	2735	43.0	84.8	127.8	High
81-M-251	496	1.1	0.0	1.1	Moderate
81-M-252	5644	14.1	0.0	14.1	Moderate
81-M-252-02	940	0.7	0.5	1.2	Moderate
81-M-253	776	9.4	0.0	9.4	Moderate
81-M-260	5523	15.3	1.6	17.0	Moderate
81-M-260-06	924	9.6	0.0	9.6	High
81-M-262	354	0.0	0.0	0.0	Low
81-M-278	4198	50.4	14.3	64.7	High
81-M-278-06	1167	3.1	35.9	39.0	Moderate
81-M-279	327	1.3	0.0	1.3	Moderate
81-M-280	211	0.1	0.0	0.1	Low
81-M-284	6479	9.6	5.7	15.3	Moderate
81-M-284-03	127	0.0	0.0	0.0	Low
81-M-289	4182	23.2	0.0	23.2	Moderate
81-M-294	11801	45.3	26.7	72.1	Low/Moderate/High
81-M-294-07-01	206	0.0	0.0	0.0	Low
81-M-294-15-01	1045	0.0	0.0	0.0	Low
81-M-294-05	2460	0.0	0.0	0.0	Low
81-M-294-07	1800	1.0	1.9	2.9	Moderate
81-M-294-08	6484	3.9	11.3	15.3	Moderate
81-M-294-15	1684	0.0	0.0	0.0	Low
81-M-296	940	1.7	0.0	1.7	Moderate
81-M-296-02	79	0.0	0.0	0.0	Low
81-M-304	6352	133.3	21.1	154.4	High
81-M-304-02	1938	2.0	0.0	2.0	Moderate
81-M-304-07	111	0.1	0.0	0.1	Moderate

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-M-310	7582	6.5	1.1	7.6	Low/Moderate
81-M-310-11	354	0.0	0.0	0.0	Low
81-M-317	491	0.5	0.0	0.5	Moderate
81-M-327	1024	11.0	0.0	11.0	Moderate
81-M-338	238	0.0	0.0	0.0	Low
81-M-342	2012	0.0	0.0	0.0	Low
81-M-348	4472	1.0	0.0	1.0	Moderate
81-MD	15111	45.1	800.8	846.0	High
81-MD-005	12836	19.5	80.5	100.0	Moderate
81-MD-007	4372	2.5	1.6	4.1	Moderate
81-MD-007-06	4794	0.6	9.5	10.1	Moderate
81-MD-016	248	0.0	0.0	0.0	Low
81-MD-029	12651	0.0	0.0	0.0	Low
81-MD-029-22	2888	0.0	0.0	0.0	Low
81-PM	7915	43.6	0.0	43.6	Moderate/High
81-PM-004	1378	0.4	0.0	0.4	Moderate
81-PM-006	8738	8.6	2.4	11.0	Low/Moderate
81-PM-009	7915	0.8	0.5	1.3	Low
81-PM-013	1008	0.4	0.0	0.4	Moderate
81-PM-014	370	6.7	0.0	6.7	High
81-RC	32092	308.1	46.2	354.2	Moderate/High
81-RC-003	5243	21.2	12.4	33.6	Moderate
81-RC-007	1837	1.3	5.4	6.7	Moderate
81-RC-008	4198	21.3	0.0	21.3	Moderate
81-RC-008-03	2175	6.4	1.9	8.3	Moderate
81-RC-008-06	818	9.2	0.0	9.2	Moderate
81-RC-013	7846	39.3	6.8	46.0	High
81-RC-013-01	1922	9.0	0.0	9.0	Moderate
81-RC-013-03	1859	27.8	0.0	27.8	High
81-RC-013-05	1721	24.3	0.0	24.3	High
81-RC-013-08	2207	2.4	3.8	6.1	Moderate
81-RC-013-08-01	253	0.4	23.8	24.1	Moderate
81-RC-013-10	1188	9.0	4.6	13.6	High
81-RC-015	11188	0.8	0.0	0.8	Moderate
81-RC-015-19	845	0.0	0.0	0.0	Low
81-RC-019	3390	0.7	0.0	0.7	Moderate
81-RC-029	11442	28.0	3.2	31.2	Moderate
81-RC-029-05	407	0.9	0.8	1.7	Moderate
81-RC-029-07	1225	0.0	0.0	0.0	Low
81-RC-029-09	4784	4.2	0.3	4.4	Moderate
81-RC-029-09-01	1003	0.0	0.0	0.0	Low
81-RC-029-09-02	4467	4.6	0.5	5.1	Moderate
81-RC-029-16	3078	13.2	8.6	21.8	Moderate
81-RC-038	1663	23.5	0.0	23.5	High
81-RC-041	3094	41.2	0.0	41.2	High
81-RC-042	275	0.5	0.0	0.5	Moderate
81-RC-043	5628	41.1	18.1	59.2	High
81-RC-043-04	95	0.2	0.0	0.2	Moderate
81-RC-043-06	14863	65.5	125.3	190.8	Moderate
81-RC-043-06-01	9013	28.7	0.3	29.0	Moderate
81-RC-043-06-02	744	4.2	0.0	4.2	Moderate
81-RC-043-06-03	2788	55.3	51.3	106.6	High
81-RC-043-06-04	744	0.0	0.0	0.0	Low
81-RC-043-06-05	612	0.0	0.0	0.0	Low
81-RC-043-06-06	2957	13.9	7.6	21.5	Moderate
81-RC-043-06-07	1859	0.0	0.0	0.0	Low
81-RC-043-06-08	1521	0.0	0.0	0.0	Low
81-RC-043-06-09	364	0.0	0.0	0.0	Low
81-RC-043-06-10	644	0.0	0.0	0.0	Low
81-RC-044	11949	92.8	21.3	114.1	Low/Moderate/High
81-RC-044-09	7693	43.5	11.9	55.4	Moderate
81-RC-044-16	2592	0.0	0.0	0.0	Low
81-RC-044-18	1700	0.0	0.0	0.0	Low
81-RC-057	1352	0.3	0.0	0.3	Moderate
81-RC-058	4784	12.9	189.8	202.7	High
81-RC-058-08	407	0.0	0.0	0.0	Low
81-RW	17767	8.1	0.8	8.9	Low/Moderate
81-RW-002	4398	62.2	4.9	67.1	High
81-RW-004	10116	27.6	44.0	71.7	Moderate
81-RW-004-12	4134	6.9	40.0	46.9	Moderate
81-RW-007	259	0.0	0.0	0.0	Low
81-RW-017	13348	9.5	276.2	285.7	Moderate
81-RW-021	16447	22.3	45.9	68.2	Moderate
81-RW-021-14	887	0.0	0.0	0.0	Low
81-RW-022	1378	0.0	0.0	0.0	Low
81-RW-032	3897	1.3	0.0	1.3	Moderate
81-RW-033	565	0.0	0.0	0.0	Low
81-SB	20650	63.6	54.8	118.4	Moderate
81-SB-002	813	6.1	0.0	6.1	Moderate
81-SB-004	607	3.1	0.0	3.1	Moderate
81-SB-022	4282	11.5	9.2	20.7	Moderate
81-SB-032	1975	0.0	0.0	0.0	Low
81-SB-039	7276	5.9	2.7	8.6	Low/Moderate

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
81-SB-039-04	3802	2.4	3.2	5.6	Moderate
81-SB-039-07	1742	0.0	0.0	0.0	Low
81-SB-039-09	1563	3.7	0.0	3.7	Moderate
81-SB-041	3025	0.0	0.0	0.0	Low
81-SC	25376	295.0	29.4	324.4	Moderate/High
81-SC-009	5454	19.5	24.3	43.8	Moderate
81-SC-009-04-01	137	0.0	0.0	0.0	Low
81-SC-009-02	4377	4.7	5.4	10.1	Moderate
81-SC-009-04	2038	2.7	0.0	2.7	Moderate
81-SC-018	11099	46.8	21.6	68.4	Moderate/High
81-SC-018-01	5708	5.3	0.0	5.3	Moderate
81-SC-018-04-01	116	1.0	0.0	1.0	Moderate
81-SC-018-04-02	2075	13.2	51.8	65.0	High
81-SC-018-04	8511	150.5	104.2	254.8	High
81-SC-018-05	1257	22.9	0.0	22.9	High
81-SC-018-04-03	1674	3.8	0.5	4.3	Moderate
81-SC-021	1209	2.2	0.0	2.2	Moderate
81-SC-022-14	7413	111.0	2.4	113.4	High
81-SC-022-06-01	935	2.7	0.0	2.7	Moderate
81-SC-022-17	898	3.4	0.0	3.4	Moderate
81-SC-022-06	2983	14.7	0.0	14.7	High
81-SC-026	908	12.3	0.0	12.3	High
81-SC-026-02-01	227	0.9	0.0	0.9	Moderate
81-SC-026-02	10623	39.5	7.6	47.1	Moderate
81-SC-026-02-02	216	0.0	0.0	0.0	Low
81-SC-027	3015	7.3	0.0	7.3	Moderate
81-SC-027-03	533	2.7	0.0	2.7	Moderate
81-SC-037	4520	5.1	0.0	5.1	Moderate
81-SC-038	370	0.0	0.0	0.0	Low
81-SC-039	2181	3.7	0.0	3.7	Moderate
81-SC-042	5840	14.4	3.0	17.3	Moderate
81-SC-043	528	0.0	0.0	0.0	Low
81-SC-044	3263	12.6	3.2	15.8	Moderate
81-WE	23712	113.0	0.0	113.0	Moderate
81-WE-009	216	0.0	0.0	0.0	Low
81-WE-018	143	0.0	0.0	0.0	Low
81-WE-028	5021	4.2	0.8	5.0	Low
81-WE-028-05	232	0.0	0.0	0.0	Low
81-WE-028-08	560	0.0	0.0	0.0	Low
81-WE-035	2740	22.3	0.0	22.3	Moderate
81-WE-035-05	4377	49.0	8.1	57.1	High
81-WE-035-05-01	628	0.0	0.0	0.0	Low
81-WE-045	866	0.0	0.0	0.0	Low
81-WE-046	2545	0.0	0.0	0.0	Low
81-WG	17239	86.2	0.0	86.2	Moderate
81-WG-006	7751	0.0	0.0	0.0	Low/Moderate
81-WG-006-01	333	0.0	0.0	0.0	Moderate
81-WG-008	23332	74.3	78.3	152.6	Moderate
81-WG-008-05	17957	199.5	18.9	218.4	High
81-WG-008-05-01	253	0.6	0.0	0.6	Moderate
81-WG-008-05-02	1563	2.7	0.0	2.7	Moderate
81-WG-008-05-03	370	1.2	0.0	1.2	Moderate
81-WG-008-23	1172	0.3	0.0	0.3	Moderate
81-WG-009	10196	47.9	0.0	47.9	Moderate
81-WG-009-04	259	0.0	0.0	0.0	Low
81-WG-009-07	5322	30.9	30.5	61.4	Moderate/High
81-WG-009-07-01	333	0.3	0.0	0.3	Moderate
81-WG-009-11	180	0.0	0.0	0.0	Low
81-WG-009-12	1468	0.0	0.0	0.0	Low
81-WG-009-13	1003	1.6	0.0	1.6	Moderate
81-WG-009-16	169	0.0	0.0	0.0	Low
81-WG-009-18	1795	0.0	0.0	0.0	Low
81-WG-009-18-01	3379	0.0	0.0	0.0	Low
81-WG-011	354	0.1	0.0	0.1	Low
81-WG-012	1896	2.9	0.0	2.9	Moderate
81-WG-015	3590	1.7	2.7	4.4	Moderate
81-WG-015-04	153	0.0	0.0	0.0	Low
81-WG-018	649	0.0	0.0	0.0	Low
81-WG-021	1917	0.0	0.0	0.0	Low
81-WG-033	8279	10.2	0.8	11.0	Moderate
81-WG-033-04	6721	15.2	0.0	15.2	Moderate
81-WG-033-04-01	1800	0.0	0.0	0.0	Low
81-WG-033-04-02	153	0.0	0.0	0.0	Low
81-WR-002	3189	0.0	0.0	0.0	Low
81-WR-002-03	422	0.0	0.0	0.0	Low
82-BC	14268	60.8	108.4	120.6	Moderate
82-BC-006	2151	0.0	0.0	0.0	Low
82-BC-008	5013	13.5	1.7	4.4	Moderate
82-BC-008-03	1766	0.0	0.0	0.0	Moderate
82-BC-008-04	1439	0.0	0.0	0.0	Moderate
82-BC-008-05	975	0.0	0.0	0.0	Low
82-BC-016	235	0.0	0.0	0.0	Moderate
82-BC-017	2367	0.0	0.0	0.0	Moderate

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-BC-022	163	0.0	0.0	0.0	Moderate
82-BC-026	419	0.0	4.0	4.0	Moderate
82-BC-027	1290	0.0	6.2	6.2	Moderate
82-BC-028	2874	0.0	25.1	25.1	Moderate
82-BC-028-01	1408	33.8	5.0	11.8	Moderate
82-BC-028-02	440	27.0	4.5	9.9	Moderate
82-BC-028-03	79	0.0	1.0	1.0	Moderate
82-BC-028-01-01	511	0.0	0.0	0.0	Moderate
82-BC-028-05	193	0.0	0.0	0.0	Moderate
82-BC-030	383	0.0	3.1	3.1	Moderate
82-BG	8942	0.0	23.2	23.2	Moderate/Low
82-BG-005	623	0.0	0.0	0.0	Moderate
82-BG-011	6694	63.5	16.9	29.6	Moderate
82-BG-013	7158	17.6	45.6	49.1	Moderate
82-BG-013-02	191	0.0	0.0	0.0	Moderate
82-BG-014	2098	0.0	0.0	0.0	Low
82-BG-014-03	323	0.0	0.0	0.0	Low
82-BG-017	1171	0.0	0.0	0.0	Moderate
82-BP	17375	16.2	28.1	31.4	Moderate
82-BP-021	2489	0.0	10.5	10.5	Moderate
82-BP-021-01	1290	0.0	0.0	0.0	Moderate
82-BP-024	6125	163.4	7.6	40.3	Moderate
82-BP-024-08	534	0.0	0.0	0.0	Moderate
82-BP-024-09	87	0.0	0.0	0.0	Moderate
82-BP-027	11913	371.3	11.2	85.5	Moderate
82-BP-027-22	809	0.0	0.0	0.0	Low
82-BP-031	1685	0.0	0.0	0.0	Moderate
82-BP-033	4658	202.5	2.1	42.6	Moderate/Low
82-BP-034	6342	0.0	5.7	5.7	Moderate/Low
82-BP-034-01	5558	0.0	0.0	0.0	Low
82-BP-034-01-01	678	0.0	0.0	0.0	Low
82-BP-034-01-02	215	0.0	0.0	0.0	Low
82-BP-034-09	640	0.0	0.0	0.0	Low
82-BR	22075	1528.2	190.0	495.7	High/Moderate/Low
82-BR-001	1122	0.0	0.0	0.0	Moderate
82-BR-004	1344	101.3	8.0	28.2	Moderate
82-BR-008	8627	152.6	12.5	43.0	Moderate
82-BR-008-01	2105	0.0	0.0	0.0	Moderate
82-BR-008-07	1561	0.0	0.0	0.0	Moderate
82-BR-008-08	517	0.0	0.0	0.0	Moderate
82-BR-008-09	234	0.0	0.0	0.0	Moderate
82-BR-009	462	0.0	0.0	0.0	Moderate
82-BR-016	2505	122.9	5.0	29.6	Moderate
82-BR-019	2519	55.4	12.7	23.7	Moderate
82-BR-019-01	676	0.0	0.0	0.0	Low
82-BR-019-01-01	104	0.0	0.0	0.0	Low
82-BR-021	17973	3531.6	95.3	801.6	High
82-BR-021-18-01	433	0.0	5.7	5.7	Moderate
82-BR-021-02	392	0.0	0.0	0.0	Moderate
82-BR-021-28-01	389	0.0	0.0	0.0	Moderate
82-BR-021-28-02	654	0.0	1.7	1.7	Moderate
82-BR-021-17	2159	2.7	4.0	4.5	Moderate
82-BR-021-18	2868	0.0	29.9	29.9	Moderate
82-BR-021-21	2262	0.0	0.0	0.0	Low
82-BR-021-28	2553	357.8	25.4	96.9	Moderate
82-BR-021-32	508	0.0	0.0	0.0	Moderate
82-BR-028	229	0.0	2.6	2.6	Moderate
82-BR-032	7346	464.4	20.0	112.9	Moderate
82-BR-032-02-01	553	13.5	8.0	10.7	Moderate
82-BR-032-02	5227	0.0	6.8	6.8	Moderate
82-BR-032-02-02	817	0.0	0.0	0.0	Moderate
82-BR-032-04	786	0.0	0.0	0.0	Moderate
82-BR-032-02-03	2780	0.0	0.0	0.0	Moderate/Low
82-BR-035	75	0.0	0.0	0.0	Moderate
82-BR-038	129	0.0	0.0	0.0	Moderate
82-BV-043	4823	0.0	12.9	12.9	Moderate
82-BV-043-03	2505	0.0	44.1	44.1	High
82-BV-043-05	463	0.0	0.0	0.0	Moderate
82-BV-043-06	428	0.0	0.0	0.0	Moderate
82-BV-075	2023	0.0	38.6	38.6	High
82-BV-079	5089	6.8	7.8	9.1	Moderate
82-BV-085	3855	9.5	11.8	13.7	Moderate
82-BV-128	6889	0.0	51.4	51.4	Moderate
82-BV-128-11-01	543	0.0	40.2	40.2	Moderate
82-BV-128-02	1553	0.0	1.1	1.1	Moderate
82-BV-128-06	748	0.0	0.0	0.0	Moderate
82-BV-128-09	98	0.0	0.0	0.0	Moderate
82-BV-128-11	811	0.0	0.0	0.0	Moderate
82-BV-128-13	826	0.0	0.0	0.0	Moderate
82-BV-128-15	213	0.0	0.0	0.0	Moderate
82-BV-140	2969	110.7	20.1	42.2	Moderate
82-CC	16801	364.5	90.6	163.5	Moderate
82-CC-002	5342	40.5	14.2	22.3	Moderate

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Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-CC-004	5726	40.5	19.4	27.5	Moderate
82-CC-006	5287	1362.2	70.6	343.0	High
82-CC-018	1897	0.0	0.0	0.0	Low
82-CC-022	869	0.0	0.0	0.0	Low
82-CC-028	1814	0.0	0.0	0.0	Moderate
82-CC-031	1622	0.0	0.0	0.0	Low
82-CR-012	408	0.0	0.0	0.0	Moderate
82-CR-013	2546	5.4	9.5	10.6	Moderate
82-CR-014	599	0.0	0.0	0.0	Moderate
82-CR-017	1350	0.0	0.0	0.0	Moderate
82-CR-017-01	131	0.0	0.0	0.0	Moderate
82-CR-022	139	0.0	0.0	0.0	Moderate
82-CR-026	2065	0.0	0.0	0.0	Moderate
82-CR-027	2065	0.0	13.5	13.5	Moderate
82-CR-028	3452	0.0	0.0	0.0	Moderate
82-CR-036	5727	0.0	9.1	9.1	Moderate
82-CR-036-08-01	633	0.0	0.0	0.0	Moderate
82-CR-036-08-02	168	0.0	0.0	0.0	Moderate
82-CR-036-08	4162	40.5	4.2	12.3	Moderate
82-CR-036-09	568	0.0	3.1	3.1	Moderate
82-CS	9218	2029.1	126.9	532.7	High
82-CS-003	1148	0.0	0.0	0.0	Moderate
82-CS-016	2310	0.0	3.8	3.8	Moderate
82-CS-018	1385	64.8	13.6	26.6	Moderate
82-DC	3894	240.3	159.9	207.9	High
82-DC-002	2660	168.8	21.1	54.8	Moderate
82-DC-002-02	1726	0.0	0.0	0.0	Moderate
82-DC-002-04	2715	0.0	0.0	0.0	Moderate
82-DC-003	2524	207.9	24.5	66.1	High
82-DC-003-04	909	0.0	13.5	13.5	Moderate
82-DC-005	318	33.8	6.9	13.6	Moderate
82-DC-007	902	209.3	10.7	52.5	Moderate
82-DC-008	545	37.8	17.7	25.3	High
82-DH	16489	4.1	98.2	99.0	High/Low
82-DH-005	5923	31.1	28.7	34.9	Moderate
82-DH-005-03-01	439	0.0	0.0	0.0	Low
82-DH-005-02	153	0.0	2.8	2.8	Moderate
82-DH-005-03	3120	1.4	9.6	9.9	Moderate/Low
82-DH-005-03-02	281	0.0	0.0	0.0	Low
82-DH-016	3134	0.0	0.0	0.0	Moderate/Low
82-DH-016-01	163	0.0	0.0	0.0	Moderate
82-DH-018	2702	0.0	3.1	3.1	Moderate/High
82-DH-028	691	0.0	0.0	0.0	Low
82-DH-029	190	0.0	0.0	0.0	Low
82-DH-030	3371	0.0	0.0	0.0	Moderate/Low
82-DH-030-01	611	0.0	0.0	0.0	Moderate
82-DH-030-02	525	0.0	0.0	0.0	Low
82-DH-030-04-01	314	0.0	0.0	0.0	Low
82-DH-030-04	667	0.0	0.0	0.0	Low
82-DH-030-06	1178	0.0	0.0	0.0	Low
82-DH-032	1126	0.0	0.0	0.0	Moderate
82-DH-032-02	144	0.0	0.0	0.0	Moderate
82-EN	33877	0.0	134.8	134.8	Moderate
82-EN-006	284	0.0	0.0	0.0	Low
82-EN-009	6368	0.0	4.6	4.6	Moderate
82-EN-009-05	963	0.0	0.0	0.0	Moderate
82-EN-016	2161	0.0	15.5	15.5	Moderate
82-EN-026	2717	0.0	10.1	10.1	Moderate
82-EN-035	4068	0.0	3.3	3.3	Moderate/Low
82-EN-035-01	322	0.0	0.0	0.0	Low
82-EN-035-02	617	0.0	0.0	0.0	Low
82-EN-035-05-01	972	0.0	0.0	0.0	Low
82-EN-035-05	2285	0.0	0.0	0.0	Moderate/Low
82-EN-036	1254	0.0	0.0	0.0	Low
82-EN-038	1525	0.0	2.0	2.0	Moderate
82-EN-038-03	169	0.0	0.0	0.0	Moderate
82-EN-044	4386	0.0	0.0	0.0	Moderate/Low
82-EN-044-05	525	0.0	0.0	0.0	Low
82-EN-044-08	563	0.0	0.0	0.0	Moderate
82-EN-044-10	75	0.0	0.0	0.0	Moderate
82-EN-044-12	238	0.0	0.0	0.0	Moderate
82-EN-046	881	0.0	5.9	5.9	Low
82-EN-054	1723	0.0	0.0	0.0	Low
82-EN-054-01	241	0.0	0.0	0.0	Low
82-EN-054-02	1239	0.0	0.0	0.0	Low
82-EN-054-02-01	250	0.0	0.0	0.0	Low
82-EN-056	1653	0.0	0.0	0.0	Low
82-EN-057	114	0.0	0.0	0.0	Low
82-EN-058	187	0.0	0.0	0.0	Low
82-EN-064	1562	0.0	0.0	0.0	Low
82-EN-064-01	635	0.0	0.0	0.0	Low
82-EN-066	1316	0.0	20.1	20.1	Moderate
82-FG	16308	29.7	125.3	131.2	High/Moderate

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-FG-004	11401	6.8	6.0	7.4	Moderate
82-FG-004-02	7139	12.2	6.8	9.2	Moderate
82-FG-013	761	0.0	10.8	10.8	Moderate
82-FG-016	1372	0.0	0.0	0.0	Moderate
82-FG-017	487	0.0	2.2	2.2	Moderate
82-FG-021	672	0.0	3.3	3.3	Moderate
82-FG-027	1941	2.7	2.6	3.1	Moderate
82-FG-027-01	312	0.0	0.0	0.0	Moderate
82-FG-031	5157	0.0	5.9	5.9	Moderate
82-FG-031-05	2982	0.0	0.0	0.0	Moderate
82-FG-031-07	762	0.0	0.0	0.0	Moderate
82-GP-027	1727	0.0	0.0	0.0	Moderate/Low
82-GP-069	1466	0.0	0.0	0.0	Low
82-GP-073	2075	0.0	0.0	0.0	Low
82-GP-075	2180	0.0	15.9	15.9	Moderate
82-GP-089	2239	2.7	13.5	14.0	Moderate
82-GP-123	6729	661.5	37.2	169.5	Moderate
82-GP-123-08-01	663	297.0	10.4	69.8	Moderate
82-GP-123-08	3141	3402.0	46.9	727.3	High
82-GP-126	663	0.0	0.0	0.0	Moderate
82-GP-126-01	142	0.0	0.0	0.0	Moderate
82-GP-127	1886	0.0	0.0	0.0	Moderate
82-GP-127-03	225	0.0	0.0	0.0	Moderate
82-GP-130	1470	0.0	0.0	0.0	Moderate
82-GP-130-01	316	0.0	0.0	0.0	Moderate
82-GP-147	3807	0.0	0.0	0.0	Moderate
82-GP-152	3054	0.0	0.0	0.0	Moderate
82-GP-165	521	0.0	0.0	0.0	Moderate
82-GP-172	1376	243.0	51.6	100.2	High
82-GP-172-01	143	0.0	1.0	1.0	Moderate
82-HR	12198	1475.6	192.6	487.7	High/Low
82-HR-003	1326	0.0	9.8	9.8	Moderate
82-HR-007	1058	0.0	0.0	0.0	Low
82-HR-007-02	88	0.0	0.0	0.0	Moderate
82-HR-009	2706	16.2	23.5	26.8	Moderate
82-HR-009-05	182	0.0	1.2	1.2	Moderate
82-HR-013	90	0.0	0.0	0.0	Moderate
82-HR-015	1569	0.0	0.0	0.0	Moderate
82-HR-015-04	95	0.0	0.0	0.0	Moderate
82-HR-015-06	88	0.0	0.0	0.0	Moderate
82-HR-017	1057	205.2	3.4	44.4	Moderate
82-HR-019	1371	202.5	4.4	44.9	Moderate
82-HR-019-01	50	0.0	0.0	0.0	Moderate
82-HT	7427	0.0	0.0	0.0	Moderate/Low
82-HT-001	345	0.0	0.0	0.0	Low
82-HT-004	4150	0.0	0.0	0.0	Low
82-HT-004-09	1039	0.0	6.8	6.8	Low
82-HT-005	222	0.0	0.0	0.0	Low
82-HT-008	405	0.0	0.0	0.0	Low
82-HT-011	101	0.0	0.0	0.0	Low
82-HT-012	1711	0.0	0.0	0.0	Low
82-HT-013	74	0.0	0.0	0.0	Moderate
82-HT-014	105	0.0	0.0	0.0	Low
82-HT-015	42	0.0	0.0	0.0	Moderate
82-HT-016	231	0.0	0.0	0.0	Low
82-HT-017	521	0.0	0.0	0.0	Low
82-HT-018	5272	0.0	0.0	0.0	Low
82-HT-018-05-01	185	0.0	0.0	0.0	Low
82-HT-018-03	353	0.0	0.0	0.0	Low
82-HT-018-05	389	0.0	0.0	0.0	Low
82-HT-018-07	618	0.0	0.0	0.0	Low
82-HT-018-09	99	0.0	0.0	0.0	Moderate
82-HW	8965	2.7	83.6	84.2	Moderate/Low
82-HW-002	951	6.8	4.5	5.9	Moderate
82-HW-003	841	0.0	0.1	0.1	Moderate
82-HW-004	197	0.0	0.0	0.0	Moderate
82-HW-007	1599	0.0	0.0	0.0	Moderate
82-HW-007-02	199	0.0	0.0	0.0	Moderate
82-HW-008	2901	52.7	32.9	43.5	Moderate
82-HW-008-02	557	0.0	4.7	4.7	Moderate
82-HW-009	1751	591.3	31.8	150.0	High
82-HW-012	1751	6.8	2.4	3.7	Moderate
82-HW-014	1647	0.0	4.3	4.3	Moderate
82-HW-015	421	0.0	0.0	0.0	Low
82-HW-016	2965	0.0	0.0	0.0	Moderate/Low
82-HW-016-03	1617	0.0	0.0	0.0	Moderate
82-HW-017	540	0.0	0.0	0.0	Low
82-K-013	5424	0.0	0.0	0.0	Moderate/Low
82-K-013-04	1835	0.0	0.0	0.0	Low
82-LB	8946	0.0	0.0	0.0	Moderate/Low
82-LB-004	2245	0.0	0.0	0.0	Moderate
82-LB-004-02	319	0.0	0.0	0.0	Moderate
82-LB-009	2289	0.0	0.0	0.0	Low

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-LB-009-02	777	0.0	0.0	0.0	Low
82-LB-009-03	890	0.0	0.0	0.0	Low
82-LB-009-05	211	0.0	0.0	0.0	Low
82-LB-017	11953	0.0	47.9	47.9	Moderate/Low
82-LB-017-11	717	0.0	0.0	0.0	Moderate
82-LB-018	3786	0.0	3.4	3.4	Moderate/Low
82-LB-018-01	2789	0.0	0.0	0.0	Moderate
82-MG	19831	121.5	127.0	151.3	High/Moderate/Low
82-MG-002	2704	17.6	17.3	20.8	Moderate
82-MG-003	6127	40.5	65.2	73.3	Moderate
82-MG-013	1678	0.0	0.0	0.0	Moderate/Low
82-MG-015	9256	0.0	5.2	5.2	Moderate/Low
82-MG-015-08-0	797	0.0	0.0	0.0	Low
82-MG-015-02	2206	0.0	14.5	14.5	Moderate
82-MG-015-08	2249	0.0	0.0	0.0	Moderate/Low
82-MG-015-13	804	0.0	0.0	0.0	Moderate
82-MG-015-18	62	0.0	0.0	0.0	Moderate
82-MG-017	296	0.0	0.0	0.0	Moderate
82-MG-026	3708	0.0	0.0	0.0	Moderate/Low
82-MG-026-04	420	0.0	0.0	0.0	Low
82-MG-026-07	492	0.0	0.0	0.0	Low
82-MG-033	10841	0.0	0.0	0.0	Low
82-MG-033-12-0	519	0.0	0.0	0.0	Low
82-MG-033-06	180	0.0	0.0	0.0	Moderate
82-MG-033-08	2803	13.5	15.9	18.6	Moderate
82-MG-033-11	418	0.0	0.0	0.0	Moderate
82-MG-033-12	2210	0.0	0.0	0.0	Low
82-MG-033-18	275	0.0	0.0	0.0	Low
82-MG-033-20	483	0.0	0.0	0.0	Low
82-MG-033-22	353	0.0	0.0	0.0	Low
82-MS	14507	230.9	39.4	85.5	Moderate/Low
82-MS-003	4930	152.6	17.7	48.2	Moderate
82-MS-003-08	3355	20.3	22.9	26.9	Moderate
82-MS-003-09	1840	0.0	4.7	4.7	Moderate
82-MS-018	720	0.0	0.0	0.0	Moderate
82-MS-020	9117	365.9	100.6	173.8	Moderate
82-MS-020-13-01	645	0.0	0.0	0.0	Moderate
82-MS-020-05	1225	0.0	17.7	17.7	Moderate
82-MS-020-12	420	0.0	0.0	0.0	Moderate
82-MS-020-13	1533	0.0	0.0	0.0	Moderate
82-MS-020-15	803	16.2	5.7	8.9	Moderate
82-MS-023	1081	0.0	0.0	0.0	Moderate
82-MS-025	6775	33.8	20.0	26.8	Moderate
82-MS-025-06	2067	0.0	6.8	6.8	Moderate
82-MS-026	935	28.4	5.7	11.4	Moderate
82-NF	14967	278.1	202.3	257.9	High
82-NF-004	238	0.0	0.4	0.4	Moderate
82-NF-005	3296	108.0	9.3	30.9	Moderate
82-NF-016	950	0.0	8.7	8.7	Moderate
82-NF-017	416	0.0	0.0	0.0	Moderate
82-NF-019	4376	67.5	34.0	47.5	Moderate
82-NF-019-01	4568	2.7	19.9	20.5	Moderate
82-NF-019-01-01	1675	0.0	30.4	30.4	High
82-NF-019-03	1047	0.0	0.0	0.0	Moderate
82-NF-019-01-02	1632	0.0	0.0	0.0	Moderate
82-NF-019-01-03	952	0.0	2.3	2.3	Moderate
82-NF-019-09-01	648	0.0	0.0	0.0	Moderate
82-NF-019-01-04	511	0.0	0.0	0.0	Moderate
82-NF-019-09	990	0.0	0.8	0.8	Moderate
82-NF-028	134	0.0	1.9	1.9	Moderate
82-NF-029	16292	0.0	279.4	279.4	High
82-NF-029-09-01	1762	29.7	30.7	36.6	High
82-NF-029-09-02	1603	48.6	3.1	12.8	Moderate
82-NF-029-09-03	192	0.0	0.0	0.0	Moderate
82-NF-029-13-01	284	0.0	0.0	0.0	Moderate
82-NF-029-05	1205	0.0	15.5	15.5	Moderate
82-NF-029-13-02	1336	0.0	0.0	0.0	Low
82-NF-029-07	1364	0.0	22.6	22.6	High
82-NF-029-13-03	110	0.0	0.0	0.0	Moderate
82-NF-029-09	5808	0.0	18.3	18.3	Moderate
82-NF-029-13-04	481	0.0	0.0	0.0	Low
82-NF-029-11	874	0.0	11.5	11.5	Moderate
82-NF-029-27-01	2158	0.0	0.0	0.0	Low
82-NF-029-13	11143	226.8	52.3	97.6	Moderate
82-NF-029-27-02	384	0.0	0.0	0.0	Low
82-NF-029-15	166	0.0	2.9	2.9	Moderate
82-NF-029-13-05	167	0.0	0.0	0.0	Moderate
82-NF-029-17	2455	421.2	39.8	124.0	High/Moderate
82-NF-029-27-03	905	0.0	0.0	0.0	Low
82-NF-029-27-04	132	0.0	0.0	0.0	Moderate
82-NF-029-27	6774	0.0	0.4	0.4	Low
82-NR-044	844	0.0	0.0	0.0	Moderate
82-NR-044-02	219	0.0	0.0	0.0	Moderate

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-NR-047	254	0.0	0.0	0.0	Moderate
82-NR-048	3807	1.4	5.1	5.3	Moderate/Low
82-NR-090	464	0.0	0.0	0.0	Low
82-NR-095	634	0.0	0.0	0.0	Moderate/Low
82-NR-096	2438	0.0	0.0	0.0	Moderate/Low
82-NR-096-01	1293	0.0	0.0	0.0	Moderate/Low
82-NR-096-02	596	0.0	0.0	0.0	Low
82-NR-097	270	0.0	0.0	0.0	Low
82-NR-098	702	0.0	0.0	0.0	Moderate/Low
82-NR-099	530	0.0	1.9	1.9	Low
82-NR-100	898	0.0	0.0	0.0	Low
82-NR-100-01	141	0.0	0.0	0.0	Low
82-NR-102	1584	0.0	0.0	0.0	Moderate/Low
82-NR-102-01	548	0.0	0.0	0.0	Low
82-NR-104	90	0.0	0.0	0.0	Low
82-NR-105	1805	0.0	0.0	0.0	Moderate/Low
82-NR-106	8739	27445.5	76.1	5565.2	High/Moderate
82-NR-106-01	978	0.0	0.0	0.0	Low
82-NR-106-01-01	200	0.0	0.0	0.0	Low
82-NR-106-07	1010	0.0	0.0	0.0	Moderate
82-NR-106-11	1100	0.0	0.0	0.0	Low
82-NR-107	95	0.0	0.0	0.0	Low
82-NR-110	1218	20.3	7.9	11.9	Moderate/Low
82-NR-110-01	717	0.0	0.0	0.0	Low
82-NR-111	226	0.0	0.0	0.0	Low
82-NR-112	233	0.0	0.0	0.0	Low
82-NR-123	1135	0.0	0.0	0.0	Moderate
82-NR-130	682	0.0	0.0	0.0	Moderate
82-PG	25562	125.6	304.3	329.5	High/Moderate
82-PG-011	293	0.0	4.4	4.4	Moderate
82-PG-015	1884	0.0	0.0	0.0	Moderate
82-PG-041	2078	67.5	4.4	17.9	Moderate
82-PG-049	6920	24.3	15.3	20.2	Moderate
82-PG-049-04	1585	337.5	7.5	75.0	Moderate
82-PG-049-08	3307	56.7	2.5	13.8	Moderate
82-PG-051	1208	0.0	10.3	10.3	Moderate
82-RC	18406	20.3	62.4	66.5	Moderate
82-RC-003	5017	0.0	0.8	0.8	Moderate
82-RC-003-09	801	0.0	1.4	1.4	Moderate
82-RC-009	909	0.0	0.0	0.0	Moderate
82-RC-012	214	0.0	0.0	0.0	Moderate
82-RC-022	5641	0.0	13.5	13.5	Moderate
82-RC-022-04-01	1019	0.0	3.0	3.0	Moderate
82-RC-022-04	1565	0.0	0.0	0.0	Moderate
82-RC-024	475	0.0	0.0	0.0	Moderate
82-RC-026	1963	0.0	3.7	3.7	Moderate
82-RC-028	649	0.0	0.0	0.0	Moderate
82-RC-031	5559	135.0	24.0	51.0	Moderate
82-RG	18572	147.2	29.3	58.8	Moderate/Low
82-RG-002	15342	268.7	253.9	307.6	High/Moderate
82-RG-002-04	397	0.0	2.3	2.3	Moderate
82-RG-002-06	11519	109.4	159.6	181.5	High
82-RG-002-07	373	0.0	4.2	4.2	Moderate
82-RG-002-19	1885	0.0	32.0	32.0	High
82-RG-002-21	2238	0.0	9.4	9.4	Low
82-RG-002-23	984	18.9	17.0	20.8	High
82-RG-006	988	0.0	0.0	0.0	Moderate
82-RG-006-02	363	0.0	0.0	0.0	Moderate
82-RG-009	6165	2.7	4.4	5.0	Low
82-RG-009-01	1025	0.0	2.5	2.5	Moderate/Low
82-RG-009-08-01	541	0.0	0.0	0.0	Low
82-RG-009-03	143	0.0	0.0	0.0	Low
82-RG-009-05	413	0.0	0.0	0.0	Low
82-RG-009-07	203	0.0	0.0	0.0	Low
82-RG-009-08	2096	0.0	2.5	2.5	Moderate/Low
82-RG-009-11	126	0.0	0.0	0.0	Low
82-RG-012	1278	0.0	2.5	2.5	Moderate
82-RG-012-01	434	0.0	0.0	0.0	Moderate
82-RG-014	230	0.0	0.0	0.0	Low
82-RG-015	2225	0.0	0.0	0.0	Low
82-RG-015-02	1443	0.0	0.0	0.0	Low
82-RG-015-05	228	0.0	0.0	0.0	Low
82-RG-024	3133	0.0	0.0	0.0	Low
82-RG-024-03-01	1272	0.0	0.0	0.0	Moderate
82-RG-024-03	3292	0.0	0.0	0.0	Moderate/Low
82-RG-024-04	547	0.0	0.0	0.0	Low
82-RG-024-06	1106	0.0	0.0	0.0	Low
82-RG-027	866	0.0	0.0	0.0	Low
82-RG-031	316	0.0	0.0	0.0	Low
82-RG-032	2274	0.0	0.0	0.0	Low
82-RG-033	773	0.0	0.0	0.0	Low
82-RG-033-02	220	0.0	0.0	0.0	Low
82-RG-034	822	0.0	0.0	0.0	Low

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-RG-035	1363	0.0	0.0	0.0	Low
82-RN	9509	0.0	0.0	0.0	Moderate/Low
82-RN-005	7762	850.5	91.1	261.2	High/Moderate
82-RN-005-09	277	0.0	0.0	0.0	Moderate
82-RN-018	5164	783.0	21.2	177.8	Moderate
82-RN-018-09	374	0.0	1.9	1.9	Moderate
82-RN-019	1739	27.0	28.8	34.2	Moderate
82-SC	25675	266.0	393.2	446.4	High
82-SC-003	7784	0.0	0.0	0.0	Moderate/Low
82-SC-003-03	1805	4.1	0.5	1.4	Moderate
82-SC-003-06	256	0.0	0.0	0.0	Low
82-SC-003-07	1665	0.0	0.0	0.0	Moderate
82-SC-003-08	450	0.0	0.0	0.0	Low
82-SC-003-10	481	0.0	0.0	0.0	Moderate
82-SC-003-12	213	0.0	0.0	0.0	Moderate
82-SC-022	102	0.0	0.0	0.0	Moderate
82-SC-039	5875	0.0	0.0	0.0	Moderate
82-SC-043	1048	0.0	23.3	23.3	High
82-SC-048	5135	66.2	61.9	75.1	High
82-SC-049	10073	81.0	39.4	55.6	Moderate
82-SC-049-01	521	0.0	0.0	0.0	Moderate
82-SC-049-05	1650	0.0	0.0	0.0	Moderate
82-SC-049-09	695	0.0	0.0	0.0	Moderate
82-SM	26567	476.6	302.3	397.6	High/Moderate
82-SM-002	4717	1.4	0.6	0.9	Moderate
82-SM-002-03-01	554	810.0	3.1	165.1	Moderate
82-SM-002-03	1106	0.0	0.0	0.0	Moderate
82-SM-002-04	1180	5.4	5.2	6.3	Moderate
82-SM-004	1443	0.0	0.0	0.0	Low
82-SM-006	2059	4.1	22.7	23.5	Moderate
82-SM-014	1333	0.0	0.0	0.0	Moderate/Low
82-SM-015	1831	0.0	0.0	0.0	Moderate
82-SM-017	3230	0.0	0.0	0.0	Low
82-SM-018	250	0.0	0.0	0.0	Moderate
82-SM-020	1009	0.0	3.5	3.5	Moderate
82-SM-025	12501	8217.5	64.4	1707.9	High/Moderate
82-SM-025-07	4236	0.0	0.0	0.0	Low
82-SM-025-12	176	0.0	0.0	0.0	Moderate
82-SM-028	1109	0.0	0.0	0.0	Low
82-SM-029	266	0.0	0.0	0.0	Low
82-SM-031	1116	0.0	0.0	0.0	Low
82-SM-033	2589	24.3	2.3	7.1	Moderate
82-SM-038	9518	2.7	22.6	23.2	Moderate/Low
82-SM-038-04	842	2.7	0.7	1.3	Moderate
82-SM-038-08	776	0.0	0.0	0.0	Low
82-SM-038-15	397	0.0	0.0	0.0	Low
82-SM-038-17	183	0.0	0.0	0.0	Low
82-SM-044	3180	85.1	12.5	29.6	Moderate
82-SM-044-06	711	0.0	0.0	0.0	Moderate
82-SM-052	8354	20.3	9.3	13.4	Moderate/Low
82-SM-052-02	1917	54.0	2.5	13.3	Moderate
82-SM-052-05	3753	70.2	4.1	18.1	Moderate
82-SM-052-12	840	0.0	0.0	0.0	Low
82-SR	41799	86.4	495.4	512.6	High/Moderate
82-SR-001	174	0.0	0.0	0.0	Moderate
82-SR-004	642	0.0	0.0	0.0	Moderate
82-SR-006	13493	0.0	0.0	0.0	Moderate/Low
82-SR-006-02	114	0.0	0.0	0.0	Moderate
82-SR-006-05	876	0.0	0.0	0.0	Low
82-SR-006-08	551	0.0	0.0	0.0	Low
82-SR-006-10	637	0.0	0.0	0.0	Low
82-SR-006-11	1433	1.4	1.8	2.1	Moderate
82-SR-006-12	1481	0.0	0.0	0.0	Low
82-SR-006-15	1015	0.0	0.0	0.0	Moderate
82-SR-006-16	175	0.0	0.0	0.0	Low
82-SR-006-18	502	0.0	0.0	0.0	Moderate
82-SR-011	2207	8.1	26.1	27.8	Moderate
82-SR-013	1212	0.0	29.3	29.3	High
82-SR-015	141	0.0	0.0	0.0	Low
82-SR-016	3648	0.0	0.0	0.0	Moderate
82-SR-016-07	261	0.0	0.0	0.0	Moderate
82-SR-018	9198	0.0	6.3	6.3	Moderate/Low
82-SR-018-03-01	130	0.0	0.0	0.0	Low
82-SR-018-08-01	678	0.0	0.0	0.0	Low
82-SR-018-03	1521	0.0	0.0	0.0	Low
82-SR-018-08-02	1426	0.0	0.0	0.0	Moderate/Low
82-SR-018-11-01	561	0.0	0.0	0.0	Low
82-SR-018-06	417	0.0	0.0	0.0	Moderate/Low
82-SR-018-08	3971	0.0	0.0	0.0	Low
82-SR-018-11	2372	68.9	1.2	14.9	Moderate
82-SR-018-13	1365	4.1	2.4	3.2	Moderate
82-SR-019	8415	0.0	0.0	0.0	Moderate/Low
82-SR-019-07-01	164	0.0	0.0	0.0	Low

Navarro WAU Erosion by Road

Road Number	Road Length (ft)	Fluvial Erosion (tons/yr)	Surface Erosion (tons/yr)	Total erosion (tons/yr)	Erosion Hazard Rating
82-SR-019-07-02	1338	0.0	0.0	0.0	Low
82-SR-019-07-03	572	0.0	0.0	0.0	Low
82-SR-019-07-04	246	0.0	0.0	0.0	Low
82-SR-019-07	5155	0.0	0.0	0.0	Moderate/Low
82-SR-019-09	441	0.0	0.0	0.0	Low
82-SR-019-16	147	0.0	0.0	0.0	Low
82-SR-036	2312	0.0	15.9	15.9	Moderate
82-SR-041	7412	94.5	15.1	34.0	Moderate/Low
82-SR-041-12-01	92	0.0	0.0	0.0	Moderate
82-SR-041-11	375	0.0	0.0	0.0	Low
82-SR-041-12	1087	0.0	0.0	0.0	Low
82-SR-041-14	784	0.0	0.0	0.0	Moderate/Low
82-SR-042	1156	0.0	7.9	7.9	Moderate
82-SR-044	887	0.0	5.8	5.8	Moderate
82-SR-045	3635	0.0	62.2	62.2	High
82-SR-052	5154	47.3	41.5	50.9	Moderate
82-SR-052-04	1519	0.0	0.0	0.0	Moderate
82-SR-052-09	249	60.8	2.0	14.2	Moderate
82-SR-059	13574	0.0	32.9	32.9	Moderate/Low
82-SR-059-12-01	891	0.0	1.0	1.0	Moderate
82-SR-059-12-02	1631	0.0	0.0	0.0	Low
82-SR-059-18-01	478	0.0	0.0	0.0	Low
82-SR-059-18-02	860	0.0	0.0	0.0	Low
82-SR-059-12	5280	5.4	18.0	19.0	Moderate/Low
82-SR-059-15	226	0.0	0.0	0.0	Moderate
82-SR-059-17	481	0.0	0.0	0.0	Low
82-SR-059-18	1582	0.0	0.0	0.0	Low
82-SR-059-23	497	0.0	0.0	0.0	Low
82-SR-061	10609	8.1	23.3	24.9	Moderate/Low
82-SR-061-01	451	0.0	6.5	6.5	Moderate
82-SR-061-17-01	210	0.0	0.0	0.0	Low
82-SR-061-07	1962	0.0	0.0	0.0	Moderate/Low
82-SR-061-09	770	0.0	0.0	0.0	Low
82-SR-061-17	473	0.0	0.0	0.0	Low
82-SR-068	807	0.0	12.5	12.5	Moderate
82-SR-078	540	0.0	3.9	3.9	Moderate
82-SR-079	2963	0.0	32.0	32.0	Moderate
82-SR-079-03-01	3427	0.0	0.0	0.0	Moderate
82-SR-079-03-02	323	0.0	0.0	0.0	Moderate
82-SR-079-03	5143	232.2	38.0	84.4	High
82-SR-079-05-01	211	0.0	0.0	0.0	Moderate
82-SR-079-05	1997	0.0	0.0	0.0	Moderate
82-SR-080	645	0.0	16.4	16.4	Moderate
82-T4	8271	0.0	133.9	133.9	High
82-T4-016	4102	21.6	20.2	24.5	Moderate
82-T4-017	3953	67.5	38.6	52.1	Moderate
82-T4-017-06	1184	0.0	0.0	0.0	Moderate
82-XX	322	0.0	0.0	0.0	Moderate

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-M	269	26.72	ditch relief	high	30	yes, ditch
81-M	270	26.89	ditch relief	high	30	yes, ditch
81-M	324	32.28	watercourse	high	30	yes, ditch
81-M	329	32.72	ditch relief	high	30	yes, ditch
81-M	228	22.78	ditch relief	high	30	yes, ditch
81-M	276	27.55	watercourse	high	25	yes, ditch
81-M	288	28.77	ditch relief	high	25	yes, ditch
81-IC-010	1	0.11	ditch relief	high	25	no div. potential
81-SC-018	8	0.81	watercourse	high	21	no div. potential
81-M	283	28.18	ditch relief	high	20	yes, ditch
81-M	296	29.59	ditch relief	high	20	yes, ditch
81-DH	1	0.01	ditch relief	high	10	yes, ditch
81-M	303	29.77	ditch relief	high	10	yes, road
81-MD-007	2	0.23	watercourse	high	10	already diverted
81-PM	21	1.65	ditch relief	high	10	yes, road
81-PM	20	1.45	ditch relief	high	8	no div. potential
81-M	306	30.57	watercourse	high	7	yes, ditch
81-M	266	26.51	ditch relief	high	0	yes, ditch
81-PM	21	1.65	ditch relief	high	0	no div. potential
81-M	227	22.73	watercourse	high	0	already diverted
81-M	325	32.39	watercourse	moderate	3700	no div. potential
81-M	339	33.81	watercourse	moderate	3000	yes, road
81-M	221	22.07	watercourse	moderate	2200	no div. potential
81-M	218	21.83	ditch relief	moderate	1800	yes, ditch
81-M	202	20.21	ditch relief	moderate	1500	yes, ditch
81-AR-017	5	0.32	watercourse	moderate	1200	yes, ditch
81-IC-022	7	0.66	watercourse	moderate	1200	already diverted
81-AR-003	6	0.50	ditch relief	moderate	800	yes, ditch
81-M	262	26.16	ditch relief	moderate	670	yes, ditch
81-AR-043-05-01	4	0.36	watercourse	moderate	590	no div. potential
81-RC-013	1	0.05	watercourse	moderate	577	no div. potential
81-M	285	28.49	watercourse	moderate	500	yes, ditch
81-DH	13	1.32	watercourse	moderate	497	no div. potential
81-SB-039	10	1.02	watercourse	moderate	420	no div. potential
81-M	334	33.43	watercourse	moderate	388	yes, ditch
81-SC	15	1.44	watercourse	moderate	333	no div. potential
81-SC-009	6	0.52	watercourse	moderate	333	no div. potential
81-DH	26	2.52	watercourse	moderate	330	yes, road
81-M	281	27.05	ditch relief	moderate	310	yes, ditch
81-M	341	34.12	watercourse	moderate	200	no div. potential
81-M	237	23.74	ditch relief	moderate	200	yes, ditch
81-DH	23	2.33	watercourse	moderate	177	no div. potential
81-LR-007	20	1.97	watercourse	moderate	177	no div. potential
81-LR-007	21	1.99	watercourse	moderate	177	no div. potential
81-JS-026	13	1.30	watercourse	moderate	175	yes, road
81-SC	18	1.85	watercourse	moderate	148	no div. potential
81-AR-043	29	2.88	watercourse	moderate	140	no div. potential
81-LR-007	6	0.61	watercourse	moderate	135	yes, road
81-LG-016	4	0.36	watercourse	moderate	125	yes, road
81-M	336	33.58	ditch relief	moderate	125	yes, ditch
81-IC	11	1.14	watercourse	moderate	106	yes, road
81-SC-009	3	0.27	watercourse	moderate	99	no div. potential
81-RW-004-12	4	0.34	watercourse	moderate	98	no div. potential
81-BH	23	2.29	watercourse	moderate	93	yes, road
81-M	242	24.22	ditch relief	moderate	90	yes, ditch
81-M	257	25.70	ditch relief	moderate	75	yes, ditch
81-BC-004	3	0.26	watercourse	moderate	75	yes, road
81-M	305	30.38	watercourse	moderate	74	yes, ditch
81-RW-004	18	1.84	watercourse	moderate	74	no div. potential
81-BC-023	13	1.27	watercourse	moderate	70	no div. potential
81-JS-023-05	1	0.14	watercourse	moderate	65	no div. potential
81-BR-009	3	0.28	watercourse	moderate	59	no div. potential
81-M-278-06	1	0.02	watercourse	moderate	59	no div. potential
81-BC-001	28	2.27	ditch relief	moderate	59	no div. potential
81-LG-016	14	1.34	watercourse	moderate	55	no div. potential
81-LG-016	5	0.41	ditch relief	moderate	50	yes, road
81-M	272	27.04	ditch relief	moderate	50	yes, ditch
81-IC-022	3	0.33	ditch relief	moderate	50	yes, road
81-CC-025	18	1.75	ditch relief	moderate	49	no div. potential
81-M	307	30.69	watercourse	moderate	42	yes, ditch
81-M-233	1	0.13	watercourse	moderate	38	no div. potential
81-M	211	21.12	watercourse	moderate	35	yes, ditch
81-MD-007	1	0.09	ditch relief	moderate	32	yes, road
81-M	262	26.16	ditch relief	moderate	30	yes, ditch
81-M	333	33.29	ditch relief	moderate	27	yes, ditch
81-SB-002	1	0.00	ditch relief	moderate	25	yes, road
81-SB	13	1.06	ditch relief	moderate	24	no div. potential
81-BR-009	16	1.59	watercourse	moderate	23	no div. potential
81-SC-018	12	1.17	watercourse	moderate	21	no div. potential
81-CC	14	1.44	ditch relief	moderate	20	yes, ditch
81-CC-019	3	0.26	ditch relief	moderate	20	no div. potential
81-CC-019	4	0.38	ditch relief	moderate	20	no div. potential
81-M	215	21.44	ditch relief	moderate	20	yes, ditch
81-CC	11	0.89	ditch relief	moderate	18	yes, ditch
81-CC	10	0.89	ditch relief	moderate	16	yes, ditch

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd^3)	Diversion Potential
81-WG-008-05	21	2.04	watercourse	moderate	10	no div. potential
81-M	308	30.80	watercourse	low	30850	no div. potential
81-M	314	31.32	watercourse	low	16800	undetermined
81-M	279	27.75	watercourse	low	10300	no div. potential
81-M	287	28.69	watercourse	low	6000	no div. potential
81-M	287	28.69	watercourse	low	3210	no div. potential
81-M	338	33.75	watercourse	low	3111	no div. potential
81-M	401	29.67	watercourse	low	3000	no div. potential
81-IC	7	0.63	watercourse	low	2370	yes, road
81-IC	6	0.56	ditch relief	low	2222	yes, road
81-M	263	26.26	watercourse	low	2200	yes, ditch
81-IC	5	0.52	watercourse	low	2074	already diverted
81-IC-022	6	0.61	watercourse	low	1800	yes, road
81-IC	8	0.68	watercourse	low	1777	yes, road
81-M	269	26.73	ditch relief	low	1500	yes, ditch
81-M	230	22.96	watercourse	low	1500	no div. potential
81-IC	10	0.81	watercourse	low	1211	yes, road
81-M	264	26.35	ditch relief	low	1000	yes, ditch
81-IC-022	4	0.40	watercourse	low	960	already diverted
81-M-260	10	1.03	watercourse	low	911	no div. potential
81-RC-056	17	1.68	watercourse	low	900	no div. potential
81-AR-043-05-01	5	0.43	watercourse	low	890	no div. potential
81-LG-016	10	1.01	watercourse	low	763	no div. potential
81-SC	40	3.94	watercourse	low	700	no div. potential
81-IC	17	1.63	watercourse	low	694	no div. potential
81-IC-014	3	0.26	watercourse	low	694	no div. potential
81-M	262	26.16	ditch relief	low	670	yes, ditch
81-WG-009-13	1	0.10	watercourse	low	660	no div. potential
81-DC	17	1.69	watercourse	low	625	yes, road
81-M	284	28.43	watercourse	low	600	yes, ditch
81-IC	9	0.72	watercourse	low	558	yes, road
81-MD	27	2.38	watercourse	low	555	no div. potential
81-SC-042	9	0.91	watercourse	low	555	no div. potential
81-M	207	20.72	watercourse	low	550	yes, ditch
81-IC	21	2.07	watercourse	low	550	yes, road
81-RW-004-12	7	0.62	watercourse	low	533	no div. potential
81-RC	33	3.34	watercourse	low	533	no div. potential
81-WE	37	3.71	watercourse	low	530	no div. potential
81-WE	38	3.72	watercourse	low	530	no div. potential
81-WE	41	4.08	watercourse	low	520	no div. potential
81-WE	42	4.09	watercourse	low	520	no div. potential
81-IC	16	1.63	watercourse	low	520	yes, road
81-M	271	26.92	ditch relief	low	500	yes, ditch
81-LG-080-13	1	0.04	watercourse	low	474	no div. potential
81-MD	30	2.67	watercourse	low	462	no div. potential
81-WG-033	8	0.85	watercourse	low	460	yes, road
81-WG-009	18	1.85	watercourse	low	450	no div. potential
81-IC	13	1.30	watercourse	low	444	no div. potential
81-M-294-07	2	0.19	watercourse	low	400	yes, road
81-SC-027	5	0.46	watercourse	low	370	no div. potential
81-AR-019	14	1.44	watercourse	low	370	yes, road
81-M	274	27.27	ditch relief	low	350	yes, ditch
81-WG-008-05-02	2	0.19	watercourse	low	350	no div. potential
81-WG	29	2.77	watercourse	low	330	no div. potential
81-MD-005	8	0.81	watercourse	low	320	no div. potential
81-AR-043-05-01	8	0.71	watercourse	low	320	no div. potential
81-M	281	27.05	ditch relief	low	310	yes, ditch
81-SB	39	3.53	watercourse	low	310	yes, ditch
81-DC	30	2.97	watercourse	low	300	no div. potential
81-M	315	31.41	watercourse	low	300	yes, ditch
81-SB-022	2	0.21	watercourse	low	300	no div. potential
81-CC	12	0.98	watercourse	low	296	no div. potential
81-SC-018	1	0.12	watercourse	low	296	no div. potential
81-AR-019	1	0.13	watercourse	low	290	yes, road
81-SC-026-02	10	0.99	watercourse	low	280	no div. potential
81-SC-042	6	0.58	watercourse	low	280	no div. potential
81-SC-042	8	0.80	watercourse	low	280	no div. potential
81-SC-018	4	0.38	watercourse	low	276	no div. potential
81-LG-006	5	0.55	watercourse	low	275	no div. potential
81-CC	7	0.73	watercourse	low	273	yes, road
81-JS-026	1	0.14	watercourse	low	260	no div. potential
81-AR-019	4	0.36	watercourse	low	260	yes, road
81-BC	24	2.35	watercourse	low	250	no div. potential
81-WG-009	19	1.87	watercourse	low	250	no div. potential
81-WG-009	20	1.90	watercourse	low	250	no div. potential
81-DC	31	3.13	watercourse	low	247	no div. potential
81-M	277	27.57	ditch relief	low	240	yes, ditch
81-M-294	2	0.20	watercourse	low	240	yes, road
81-SC	39	3.87	watercourse	low	230	yes, road
81-AR-043-05-01	13	1.26	watercourse	low	230	no div. potential
81-SC-026-02	8	0.75	watercourse	low	222	no div. potential
81-SC-026-02	9	0.87	watercourse	low	220	no div. potential
81-SB-039-09	2	0.21	watercourse	low	220	no div. potential
81-WG	31	3.02	watercourse	low	220	no div. potential
81-AR-043-05-01	7	0.60	watercourse	low	216	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment	Controllable	Diversion
				Immediacy	Volume (yd ³)	Potential
81-LG-016	6	0.64	watercourse	low	205	no div. potential
81-M	267	26.60	ditch relief	low	200	yes, ditch
81-M	341	34.12	watercourse	low	200	no div. potential
81-AR-043-05-01	1	0.06	watercourse	low	198	no div. potential
81-RW-021	16	1.62	watercourse	low	197	no div. potential
81-M	327	32.56	ditch relief	low	185	yes, ditch
81-SC-044	6	0.57	watercourse	low	180	no div. potential
81-AR-043-29	3	0.30	watercourse	low	180	no div. potential
81-M	254	25.41	ditch relief	low	180	yes, ditch
81-WG-033-04	5	0.39	watercourse	low	180	no div. potential
81-DC	40	3.97	watercourse	low	177	no div. potential
81-SC	14	1.37	ditch relief	low	177	no div. potential
81-SC-009	7	0.62	watercourse	low	177	no div. potential
81-IC	4	0.39	watercourse	low	177	already diverted
81-IC	12	1.16	watercourse	low	177	yes, road
81-RW-004	8	0.78	watercourse	low	172	no div. potential
81-WG	32	3.09	watercourse	low	170	no div. potential
81-WG-033-04	6	0.54	watercourse	low	170	no div. potential
81-SC	38	3.74	watercourse	low	165	yes, road
81-SB	42	3.83	watercourse	low	165	no div. potential
81-MD	13	1.15	watercourse	low	161	yes, road
81-CC-025	13	1.35	watercourse	low	160	yes, road
81-DC	34	3.43	watercourse	low	160	no div. potential
81-WG-008	19	1.89	watercourse	low	160	no div. potential
81-WG-033-04	2	0.22	watercourse	low	160	no div. potential
81-AR-042-05	4	0.41	watercourse	low	160	no div. potential
81-DH	25	2.49	watercourse	low	159	yes, road
81-JS-023	6	0.65	watercourse	low	155	yes, road
81-SC-042	10	0.99	watercourse	low	155	no div. potential
81-SC	31	3.08	watercourse	low	150	yes, road
81-SC	34	3.41	watercourse	low	150	yes, road
81-SC-037	5	0.52	watercourse	low	150	no div. potential
81-SC-044	5	0.51	watercourse	low	150	no div. potential
81-WE	43	4.11	watercourse	low	150	no div. potential
81-WG	16	1.63	watercourse	low	150	no div. potential
81-WG	25	2.33	watercourse	low	150	no div. potential
81-WG	28	2.51	watercourse	low	150	no div. potential
81-WG-033-04	4	0.35	watercourse	low	150	no div. potential
81-CC-025	10	1.04	watercourse	low	148	no div. potential
81-LG-012-03	1	0.14	watercourse	low	148	no div. potential
81-RW-004-12	2	0.17	watercourse	low	148	no div. potential
81-AR-043	23	2.34	watercourse	low	148	no div. potential
81-DC	36	3.57	watercourse	low	146	yes, road
81-JS	7	0.65	watercourse	low	140	no div. potential
81-SC	36	3.58	watercourse	low	140	yes, road
81-SC-026-02	16	1.60	watercourse	low	140	no div. potential
81-SB	25	2.29	watercourse	low	140	yes, road
81-SC-018	5	0.51	watercourse	low	138	no div. potential
81-BR-009	10	1.00	watercourse	low	135	no div. potential
81-CC-025	1	0.01	watercourse	low	133	no div. potential
81-LG-016	16	1.43	watercourse	low	130	no div. potential
81-M-284	4	0.36	watercourse	low	130	no div. potential
81-M	249	24.89	watercourse	low	130	yes, road
81-SB	33	3.07	watercourse	low	130	yes, road
81-LR-007	11	1.05	watercourse	low	125	no div. potential
81-SC-026-02	1	0.03	watercourse	low	125	yes, road
81-BR-009	12	1.19	watercourse	low	123	no div. potential
81-RW-004	11	1.07	watercourse	low	123	no div. potential
81-BC-001	31	2.64	watercourse	low	122	yes, road
81-JS	6	0.57	watercourse	low	120	yes, ditch
81-SB	36	3.23	watercourse	low	120	no div. potential
81-SC	35	3.54	watercourse	low	120	yes, road
81-SC-009	1	0.07	watercourse	low	120	yes, road
81-SB	26	2.44	watercourse	low	120	no div. potential
81-SB	30	2.77	watercourse	low	120	no div. potential
81-WG-008	20	2.04	watercourse	low	120	no div. potential
81-SC-044	3	0.25	watercourse	low	119	no div. potential
81-DC	12	1.17	watercourse	low	118	no div. potential
81-DH	10	0.97	watercourse	low	118	no div. potential
81-RW-004	5	0.48	watercourse	low	118	no div. potential
81-SC	45	4.47	ditch relief	low	118	yes, ditch
81-SC-018	6	0.62	watercourse	low	118	no div. potential
81-WG	11	1.13	watercourse	low	115	no div. potential
81-DH	5	0.51	watercourse	low	111	no div. potential
81-MD	26	2.30	watercourse	low	111	yes, road
81-SC-037	3	0.33	watercourse	low	111	no div. potential
81-LG-016	15	1.39	watercourse	low	110	no div. potential
81-BC	29	2.91	watercourse	low	110	no div. potential
81-SB	29	2.55	watercourse	low	110	no div. potential
81-SC-026-02-01	1	0.00	watercourse	low	105	no div. potential
81-AR-042	6	0.60	watercourse	low	105	no div. potential
81-AR-042	7	0.63	watercourse	low	105	no div. potential
81-CC-019	6	0.50	watercourse	low	104	yes, road
81-LG-008-08	2	0.18	watercourse	low	103	no div. potential
81-SC-039	3	0.25	watercourse	low	101	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-M	271	26.92	watercourse	low	100	yes, ditch
81-SB	27	2.49	watercourse	low	100	no div. potential
81-AR-017	3	0.27	watercourse	low	100	yes, road
81-WG	17	1.65	watercourse	low	100	no div. potential
81-JS-023-08	5	0.53	watercourse	low	99	no div. potential
81-MD	7	0.69	watercourse	low	99	no div. potential
81-SC	23	2.27	watercourse	low	99	no div. potential
81-DC	16	1.64	watercourse	low	95	yes, road
81-SB	1	0.13	ditch relief	low	95	no div. potential
81-SC	41	4.05	ditch relief	low	95	yes, road
81-WE	26	2.45	watercourse	low	95	no div. potential
81-SC	26	2.53	watercourse	low	93	no div. potential
81-SB	20	1.81	watercourse	low	93	no div. potential
81-SC-039	2	0.17	watercourse	low	92	no div. potential
81-AR-017	8	0.83	watercourse	low	90	no div. potential
81-AR-019	7	0.70	watercourse	low	90	yes, road
81-SB	28	2.53	watercourse	low	90	no div. potential
81-SB	41	3.57	watercourse	low	90	no div. potential
81-SB-039-04	3	0.28	watercourse	low	90	no div. potential
81-WG	12	1.17	watercourse	low	90	no div. potential
81-WG	23	2.18	watercourse	low	90	no div. potential
81-LG-016	9	0.89	ditch relief	low	89	no div. potential
81-M-294	5	0.47	ditch relief	low	89	yes, road
81-BC-001-07	1	0.09	watercourse	low	89	no div. potential
81-AR-043-05-01	6	0.47	watercourse	low	88	no div. potential
81-B-005	3	0.27	watercourse	low	88	yes, road
81-LG-016-06	7	0.74	watercourse	low	86	no div. potential
81-B-005	27	2.73	watercourse	low	85	no div. potential
81-B-005	28	2.83	watercourse	low	85	no div. potential
81-M-252-02	1	0.12	watercourse	low	85	no div. potential
81-WE	32	3.12	watercourse	low	85	yes, road
81-SC	25	2.48	ditch relief	low	80	yes, road
81-M	188	18.78	watercourse	low	80	yes, ditch
81-SB	34	3.15	watercourse	low	80	yes, road
81-LR-007	4	0.43	watercourse	low	79	no div. potential
81-RW-004-12	1	0.09	watercourse	low	79	no div. potential
81-SC-018	13	1.33	watercourse	low	77	no div. potential
81-JS-023	5	0.46	watercourse	low	75	yes, road
81-LR-007	13	1.27	watercourse	low	75	no div. potential
81-SC-027-03	1	0.09	watercourse	low	75	no div. potential
81-BC	12	1.18	watercourse	low	75	yes, road
81-SB	38	3.39	watercourse	low	75	no div. potential
81-WG-008-05	6	0.63	watercourse	low	75	no div. potential
81-WG-033	9	0.95	watercourse	low	75	yes, road
81-MD	20	1.84	watercourse	low	74	no div. potential
81-SC	20	2.02	watercourse	low	74	no div. potential
81-SC	22	2.20	watercourse	low	74	no div. potential
81-SC-018	16	1.55	watercourse	low	74	no div. potential
81-AR-043	5	0.45	watercourse	low	74	no div. potential
81-SB	16	1.33	watercourse	low	74	no div. potential
81-SC	42	4.13	ditch relief	low	71	no div. potential
81-B-005	1	0.04	watercourse	low	71	yes, road
81-CC	9	0.86	watercourse	low	70	yes, ditch
81-SC-026-02	17	1.68	watercourse	low	70	no div. potential
81-M	213	21.27	ditch relief	low	70	yes, ditch
81-RC-008	3	0.26	watercourse	low	70	yes, road
81-WG	26	2.36	watercourse	low	70	no div. potential
81-WG	27	2.39	watercourse	low	70	no div. potential
81-M-224	1	0.08	watercourse	low	68	no div. potential
81-BC-001	18	1.72	watercourse	low	67	no div. potential
81-BH	12	0.97	watercourse	low	66	yes, road
81-SC	8	0.76	ditch relief	low	66	yes, ditch
81-SC-044	2	0.17	watercourse	low	65	no div. potential
81-M-224	4	0.38	watercourse	low	65	no div. potential
81-WG	13	1.24	watercourse	low	65	yes, road
81-IC-003	22	2.00	watercourse	low	65	no div. potential
81-JS	23	2.28	watercourse	low	62	no div. potential
81-AR-043	12	1.20	watercourse	low	62	no div. potential
81-SB	22	1.98	watercourse	low	62	no div. potential
81-RW-017	8	0.80	watercourse	low	61	no div. potential
81-M	263	26.27	watercourse	low	60	yes, ditch
81-AR-043	15	1.47	watercourse	low	60	no div. potential
81-AR-043	21	2.14	watercourse	low	60	no div. potential
81-BC-020	1	0.13	watercourse	low	60	no div. potential
81-M	223	22.32	ditch relief	low	60	yes, ditch
81-WE	15	1.46	watercourse	low	60	no div. potential
81-WE	23	2.28	watercourse	low	60	no div. potential
81-WG	24	2.19	watercourse	low	60	no div. potential
81-SC-009	5	0.45	watercourse	low	59	no div. potential
81-AR-012	1	0.10	watercourse	low	59	no div. potential
81-RC-008-03	2	0.16	watercourse	low	59	no div. potential
81-M-224	6	0.61	watercourse	low	58	no div. potential
81-DC	9	0.87	watercourse	low	56	no div. potential
81-BC-001	17	1.67	watercourse	low	56	no div. potential
81-MD	8	0.75	watercourse	low	55	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd^3)	Diversion Potential
81-SC	27	2.57	watercourse	low	55	yes, ditch
81-AR-043-05	12	1.17	watercourse	low	55	no div. potential
81-SB	40	3.54	ditch relief	low	55	no div. potential
81-WE	22	2.18	watercourse	low	55	no div. potential
81-WE	24	2.32	watercourse	low	55	no div. potential
81-WE	29	2.85	watercourse	low	55	no div. potential
81-WG-008	10	1.02	watercourse	low	55	yes, road
81-MD	14	1.19	watercourse	low	54	yes, ditch
81-AR-043	18	1.76	watercourse	low	54	yes, road
81-SB	31	2.85	ditch relief	low	54	no div. potential
81-DH	15	1.54	watercourse	low	53	no div. potential
81-DH	21	2.14	watercourse	low	53	no div. potential
81-SC	30	2.94	ditch relief	low	53	no div. potential
81-AR-043	16	1.62	watercourse	low	52	no div. potential
81-SB	14	1.10	watercourse	low	52	yes, road
81-M	261	26.08	ditch relief	low	50	yes, ditch
81-M	272	27.04	ditch relief	low	50	yes, ditch
81-SC-018	19	1.88	watercourse	low	50	no div. potential
81-AR-017	4	0.30	ditch relief	low	50	yes, road
81-AR-019	9	0.94	watercourse	low	50	yes, road
81-AR-043	31	3.13	watercourse	low	50	yes, road
81-BC	4	0.40	watercourse	low	50	yes, road
81-M	197	19.65	ditch relief	low	50	yes, ditch
81-SB	11	0.84	watercourse	low	50	no div. potential
81-SB-022	3	0.26	watercourse	low	50	no div. potential
81-WG	30	2.96	watercourse	low	50	no div. potential
81-WG-033	5	0.50	watercourse	low	50	no div. potential
81-RC	3	0.27	watercourse	low	48	no div. potential
81-SB	19	1.73	watercourse	low	48	no div. potential
81-DC	15	1.45	watercourse	low	47	yes, road
81-MD	16	1.31	watercourse	low	47	no div. potential
81-SC	9	0.88	ditch relief	low	46	yes, ditch
81-BC-001	22	1.95	watercourse	low	46	no div. potential
81-MD	5	0.49	ditch relief	low	45	yes, road
81-AR	16	1.62	watercourse	low	45	no div. potential
81-AR-043-29	4	0.33	watercourse	low	45	no div. potential
81-BC-001	4	0.36	watercourse	low	45	yes, road
81-BC-023-05	4	0.40	watercourse	low	45	no div. potential
81-M-224	3	0.34	watercourse	low	45	no div. potential
81-WE	30	2.98	watercourse	low	45	no div. potential
81-WG-033	12	1.19	watercourse	low	45	no div. potential
81-IC-003	20	1.78	watercourse	low	45	no div. potential
81-IC-003	23	2.21	watercourse	low	45	no div. potential
81-AR-043	13	1.25	watercourse	low	44	no div. potential
81-BC-001	19	1.78	ditch relief	low	44	no div. potential
81-WG-008	31	3.12	watercourse	low	44	no div. potential
81-LG-016	17	1.56	ditch relief	low	41	no div. potential
81-SC	10	0.99	ditch relief	low	40	no div. potential
81-AR-003	1	0.13	ditch relief	low	40	yes, road
81-AR-043	28	2.83	watercourse	low	40	yes, road
81-BC-001	14	1.43	watercourse	low	40	no div. potential
81-BC-001	20	1.86	ditch relief	low	40	yes, road
81-BC-001-13	3	0.34	ditch relief	low	40	yes, road
81-SB	15	1.16	ditch relief	low	40	no div. potential
81-SB-022	4	0.26	watercourse	low	40	no div. potential
81-WE	31	3.09	ditch relief	low	40	yes, road
81-WG-033	11	1.10	watercourse	low	40	no div. potential
81-IC	2	0.38	watercourse	low	40	yes, ditch
81-BH	8	0.63	watercourse	low	39	yes, road
81-RW-004-12	3	0.20	watercourse	low	39	no div. potential
81-BH	11	0.89	watercourse	low	38	yes, road
81-RW-004	3	0.30	watercourse	low	37	no div. potential
81-RW-017	16	1.58	ditch relief	low	37	no div. potential
81-SB	3	0.29	watercourse	low	37	no div. potential
81-SC	4	0.37	ditch relief	low	37	yes, ditch
81-SC	29	2.85	ditch relief	low	37	no div. potential
81-BC	10	0.98	watercourse	low	37	no div. potential
81-BC-001	15	1.44	watercourse	low	37	no div. potential
81-BC-001	21	1.90	watercourse	low	37	no div. potential
81-BC-001	23	2.04	watercourse	low	37	no div. potential
81-JS	30	2.93	ditch relief	low	35	no div. potential
81-AR-039	2	0.17	watercourse	low	35	no div. potential
81-BC-001	25	2.16	watercourse	low	35	no div. potential
81-BC-001	26	2.18	watercourse	low	35	no div. potential
81-BC-001	27	2.20	ditch relief	low	35	yes, road
81-BC-001	29	2.29	watercourse	low	35	yes, road
81-BC-001	30	2.47	ditch relief	low	35	yes, road
81-SB	6	0.55	ditch relief	low	35	no div. potential
81-SB	21	1.88	ditch relief	low	35	no div. potential
81-WE	25	2.40	watercourse	low	35	no div. potential
81-M-289	7	0.73	ditch relief	low	34	no div. potential
81-SB	18	1.56	ditch relief	low	34	yes, road
81-BH	6	0.57	ditch relief	low	33	yes, ditch
81-DH	7	0.69	watercourse	low	33	no div. potential
81-BH	7	0.62	watercourse	low	31	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment	Controllable	Diversion
				Immediacy	Volume (yd ³)	Potential
81-M	262	26.16	ditch relief	low	30	yes, ditch
81-M	264	26.35	ditch relief	low	30	yes, ditch
81-M	266	26.51	ditch relief	low	30	yes, ditch
81-M	267	26.60	ditch relief	low	30	yes, ditch
81-M	269	26.72	ditch relief	low	30	yes, ditch
81-MD-005	9	0.84	ditch relief	low	30	yes, road
81-SC	11	1.10	ditch relief	low	30	yes, ditch
81-SC	21	2.12	watercourse	low	30	no div. potential
81-SC-009-04	3	0.30	ditch relief	low	30	yes, road
81-AR-019	10	0.99	ditch relief	low	30	no div. potential
81-M	189	18.89	ditch relief	low	30	yes, ditch
81-M	195	19.47	watercourse	low	30	yes, ditch
81-M	198	19.77	ditch relief	low	30	yes, ditch
81-M	210	21.00	ditch relief	low	30	yes, ditch
81-SB	24	2.15	ditch relief	low	30	yes, road
81-WE	10	1.03	watercourse	low	30	no div. potential
81-WG-008-05	20	1.89	watercourse	low	30	no div. potential
81-JS	10	0.96	ditch relief	low	29	yes, ditch
81-JS	14	1.35	ditch relief	low	29	no div. potential
81-JS	27	2.74	ditch relief	low	29	no div. potential
81-JS	29	2.86	ditch relief	low	29	no div. potential
81-LR-007	5	0.50	watercourse	low	29	no div. potential
81-M-289	5	0.50	watercourse	low	29	no div. potential
81-RW-004-12	6	0.57	watercourse	low	29	no div. potential
81-AR-043-05-01	9	0.88	watercourse	low	28	no div. potential
81-SC	28	2.68	ditch relief	low	27	no div. potential
81-AR-001-10	2	0.25	ditch relief	low	27	no div. potential
81-CC	13	1.16	ditch relief	low	26	yes, ditch
81-JS	16	1.56	ditch relief	low	26	no div. potential
81-M-284	3	0.25	ditch relief	low	26	yes, road
81-MD	4	0.38	ditch relief	low	25	yes, road
81-SB	35	3.21	ditch relief	low	25	no div. potential
81-AR	8	0.81	watercourse	low	25	no div. potential
81-M	214	21.33	ditch relief	low	25	yes, ditch
81-RC	24	2.35	watercourse	low	25	no div. potential
81-SB	5	0.48	watercourse	low	25	no div. potential
81-SB	9	0.74	watercourse	low	25	no div. potential
81-SB	37	3.32	ditch relief	low	25	no div. potential
81-WG	22	2.16	watercourse	low	25	no div. potential
81-IC-003	21	1.85	watercourse	low	25	no div. potential
81-BH-007	5	0.48	watercourse	low	24	no div. potential
81-AR-001	3	0.25	watercourse	low	24	no div. potential
81-SB	12	0.97	ditch relief	low	24	no div. potential
81-BH	5	0.50	ditch relief	low	22	yes, ditch
81-DH	3	0.25	ditch relief	low	22	no div. potential
81-DH	17	1.69	ditch relief	low	22	no div. potential
81-DH	27	2.72	ditch relief	low	22	no div. potential
81-DH	29	2.87	ditch relief	low	22	no div. potential
81-JS	2	0.18	watercourse	low	22	no div. potential
81-JS	24	2.42	ditch relief	low	22	no div. potential
81-JS	31	3.12	ditch relief	low	22	no div. potential
81-MD-005	14	1.43	ditch relief	low	22	no div. potential
81-SC	12	1.19	ditch relief	low	22	no div. potential
81-SC-022-14	7	0.66	ditch relief	low	22	no div. potential
81-SB	17	1.46	ditch relief	low	22	no div. potential
81-IC-003	24	2.31	watercourse	low	22	no div. potential
79-DC	1	0.01	ditch relief	low	20	no div. potential
81-M	297	29.68	ditch relief	low	20	yes, ditch
81-MD-005	12	1.21	ditch relief	low	20	yes, ditch
81-MD-005	13	1.29	ditch relief	low	20	no div. potential
81-MD-005	15	1.50	ditch relief	low	20	no div. potential
81-RW-002	1	0.01	ditch relief	low	20	no div. potential
81-SC	37	3.64	ditch relief	low	20	yes, road
81-AR-001	1	0.05	ditch relief	low	20	no div. potential
81-AR-001	10	1.04	ditch relief	low	20	yes, road
81-RC-056	21	2.08	watercourse	low	20	no div. potential
81-WG-008-05	10	0.96	watercourse	low	20	no div. potential
81-IC-003	25	2.34	watercourse	low	20	no div. potential
81-SC-009	8	0.78	ditch relief	low	19	no div. potential
81-BR-009	1	0.12	watercourse	low	18	no div. potential
81-LR-007	18	1.77	ditch relief	low	18	no div. potential
81-MD-005	3	0.27	ditch relief	low	18	no div. potential
81-PM	27	2.02	ditch relief	low	18	no div. potential
81-RW	1	0.09	ditch relief	low	18	no div. potential
81-RW-004	2	0.16	ditch relief	low	18	no div. potential
81-RW-021	23	2.32	watercourse	low	18	no div. potential
81-SC	2	0.24	ditch relief	low	18	no div. potential
81-IC-003	5	0.49	watercourse	low	18	no div. potential
81-RC	28	2.67	watercourse	low	18	no div. potential
81-SB	23	2.03	ditch relief	low	18	no div. potential
81-JS	9	0.80	ditch relief	low	17	no div. potential
81-JS	17	1.73	ditch relief	low	17	no div. potential
81-JS	21	2.09	ditch relief	low	17	no div. potential
81-MD	1	0.05	ditch relief	low	17	yes, ditch
81-SC-018	10	0.99	ditch relief	low	17	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-BH	1	0.00	ditch relief	low	16	yes, ditch
81-AR-001	6	0.59	ditch relief	low	16	no div. potential
81-IC-003	6	0.50	watercourse	low	16	no div. potential
81-IC-003	8	0.63	watercourse	low	16	no div. potential
81-RC	4	0.31	watercourse	low	16	no div. potential
81-WE	36	3.56	ditch relief	low	16	yes, ditch
81-M	278	27.68	ditch relief	low	15	yes, ditch
81-PM	28	2.18	ditch relief	low	15	yes, ditch
81-AR	11	1.10	watercourse	low	15	no div. potential
81-AR-001	24	2.40	ditch relief	low	15	no div. potential
81-BC-001	24	2.09	ditch relief	low	15	no div. potential
81-SB	10	0.80	ditch relief	low	15	no div. potential
81-SB	32	2.85	ditch relief	low	15	no div. potential
81-IC-003	13	1.10	watercourse	low	15	no div. potential
81-IC-003	19	1.60	watercourse	low	15	no div. potential
81-SB	7	0.66	ditch relief	low	14	yes, ditch
81-SB	8	0.71	ditch relief	low	14	no div. potential
81-PM	26	1.84	ditch relief	low	13	no div. potential
81-PM	29	2.28	ditch relief	low	13	no div. potential
81-PM	30	2.48	ditch relief	low	13	no div. potential
81-PM	31	2.59	ditch relief	low	13	no div. potential
81-PM	32	2.65	ditch relief	low	13	no div. potential
81-RC	52	5.21	ditch relief	low	13	no div. potential
81-BH-018	3	0.22	watercourse	low	12	yes, road
81-RW-021	30	3.03	ditch relief	low	12	no div. potential
81-IC-003	10	0.80	watercourse	low	12	no div. potential
81-LR-007	14	1.36	ditch relief	low	11	no div. potential
81-M	290	27.98	ditch relief	low	11	yes, ditch
81-MD	15	1.25	ditch relief	low	11	no div. potential
81-AR-001	22	2.19	ditch relief	low	11	no div. potential
81-IC	15	1.53	ditch relief	low	11	no div. potential
81-PM	21	1.65	ditch relief	low	10	yes, road
81-PM	25	1.77	ditch relief	low	10	yes, ditch
81-RW-021	26	2.53	ditch relief	low	10	no div. potential
81-SB	4	0.39	watercourse	low	10	yes, ditch
81-PM	18	1.27	ditch relief	low	9	no div. potential
81-PM	20	1.45	ditch relief	low	8	no div. potential
81-RW	7	0.68	ditch relief	low	8	no div. potential
81-RW-021	21	2.15	watercourse	low	8	no div. potential
81-RW-021	27	2.57	ditch relief	low	8	no div. potential
81-RW	5	0.48	ditch relief	low	6	no div. potential
81-WG-008-05	19	1.85	watercourse	low	5	no div. potential
81-MD	12	1.11	ditch relief	low	4	yes, ditch
81-BH-018	11	1.05	ditch relief	low	3	yes, ditch
81-M-338	1	0.00	ditch relief	low	1	yes, road
81-BH	10	0.81	ditch relief	low	0	yes, road
81-BH	13	1.01	ditch relief	low	0	yes, road
81-BH	15	1.55	ditch relief	low	0	yes, road
81-BH-018	2	0.17	watercourse	low	0	yes, road
81-BH-018	5	0.51	ditch relief	low	0	yes, road
81-DH	2	0.14	ditch relief	low	0	yes, ditch
81-DH	19	1.91	watercourse	low	0	yes, ditch
81-JS	4	0.40	ditch relief	low	0	yes, ditch
81-JS	8	0.72	ditch relief	low	0	yes, ditch
81-JS	11	1.09	ditch relief	low	0	yes, ditch
81-JS	13	1.25	ditch relief	low	0	yes, ditch
81-LR-007	12	1.19	ditch relief	low	0	no div. potential
81-M	266	26.51	ditch relief	low	0	yes, ditch
81-MD	11	1.06	ditch relief	low	0	yes, road
81-MD	17	1.41	ditch relief	low	0	no div. potential
81-MD	18	1.64	ditch relief	low	0	yes, ditch
81-MD	19	1.76	ditch relief	low	0	yes, ditch
81-MD	21	1.88	ditch relief	low	0	no div. potential
81-MD	22	1.92	ditch relief	low	0	yes, ditch
81-MD	23	2.10	ditch relief	low	0	yes, ditch
81-MD	24	2.13	ditch relief	low	0	yes, ditch
81-MD	25	2.18	ditch relief	low	0	yes, road
81-MD	28	2.43	ditch relief	low	0	no div. potential
81-MD-007-06	4	0.43	ditch relief	low	0	yes, road
81-PM	17	1.24	ditch relief	low	0	yes, ditch
81-PM	19	1.39	ditch relief	low	0	yes, ditch
81-PM	21	1.65	ditch relief	low	0	no div. potential
81-RW-017	3	0.26	ditch relief	low	0	no div. potential
81-RW-017	5	0.47	watercourse	low	0	no div. potential
81-RW-017	6	0.63	watercourse	low	0	no div. potential
81-RW-021	5	0.47	watercourse	low	0	no div. potential
81-RW-021	7	0.67	ditch relief	low	0	no div. potential
81-RW-021	10	0.96	ditch relief	low	0	no div. potential
81-SC	6	0.56	ditch relief	low	0	yes, ditch
81-AR	3	0.32	ditch relief	low	0	no div. potential
81-AR	9	0.90	ditch relief	low	0	no div. potential
81-AR	14	1.37	ditch relief	low	0	no div. potential
81-AR	15	1.50	ditch relief	low	0	no div. potential
81-AR	17	1.74	ditch relief	low	0	no div. potential
81-AR	19	1.86	ditch relief	low	0	no div. potential

Navarro East Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-AR	21	2.11	ditch relief	low	0	no div. potential
81-AR-001-10	1	0.04	watercourse	low	0	yes, road
81-AR-003	2	0.14	ditch relief	low	0	yes, road
81-AR-003	5	0.46	watercourse	low	0	yes, road
81-AR-043-05	11	1.11	ditch relief	low	0	yes, road
81-AR-043-05	15	1.51	ditch relief	low	0	no div. potential
81-IC-003	7	0.59	ditch relief	low	0	no div. potential
81-RC	1	0.13	ditch relief	low	0	no div. potential
81-RC	6	0.57	ditch relief	low	0	no div. potential
81-RC	8	0.78	ditch relief	low	0	no div. potential
81-RC	9	0.82	ditch relief	low	0	no div. potential
81-RC	11	1.12	ditch relief	low	0	no div. potential
81-RC	12	1.25	ditch relief	low	0	no div. potential
81-RC	16	1.61	ditch relief	low	0	no div. potential
81-RC	17	1.67	ditch relief	low	0	no div. potential
81-RC	20	1.98	ditch relief	low	0	no div. potential
81-RC	21	2.06	ditch relief	low	0	no div. potential
81-RC	22	2.16	ditch relief	low	0	no div. potential
81-RC	23	2.23	ditch relief	low	0	no div. potential
81-RC	25	2.41	ditch relief	low	0	no div. potential
81-RC	26	2.47	ditch relief	low	0	no div. potential
81-RC	27	2.59	ditch relief	low	0	no div. potential
81-RC	29	2.78	ditch relief	low	0	no div. potential
81-RC	30	2.89	ditch relief	low	0	no div. potential
81-AR-042	17	1.66	watercourse	low	0	no div. potential
81-IC-003	9	0.68	ditch relief	low	0	no div. potential
81-IC-003	11	0.86	ditch relief	low	0	no div. potential
81-IC-003	12	0.93	ditch relief	low	0	no div. potential
81-IC-003	14	1.11	ditch relief	low	0	no div. potential
81-IC-003	15	1.15	ditch relief	low	0	no div. potential
81-IC-003	16	1.29	ditch relief	low	0	no div. potential
81-IC-003	17	1.31	ditch relief	low	0	no div. potential
81-IC-003	18	1.37	ditch relief	low	0	no div. potential
81-IC-003	26	2.43	ditch relief	low	0	no div. potential
81-RC-059	13	1.26	watercourse	none	1422	no div. potential
81-RC-059	14	1.31	watercourse	none	711	no div. potential
81-RC-059	16	1.56	watercourse	none	592	no div. potential
81-LG-016	12	1.20	watercourse	none	561	no div. potential
81-LG-030-05	8	0.85	watercourse	none	546	yes, road
81-LG-030-05	11	1.12	watercourse	none	445	no div. potential
81-LG-030-05-02	1	0.08	watercourse	none	388	no div. potential
81-B-005-35	2	0.16	watercourse	none	333	no div. potential
81-JS-023	10	0.98	watercourse	none	104	no div. potential
81-LG-016	13	1.28	watercourse	none	89	no div. potential
81-LG-044-09	10	0.95	watercourse	none	59	no div. potential
81-LG-044-09	5	0.49	watercourse	none	58	no div. potential
81-LG-044-09	6	0.54	watercourse	none	57	no div. potential
81-RC	42	4.18	watercourse	none	55	no div. potential
81-CC	8	0.79	ditch relief	none	53	yes, ditch
81-M-252	5	0.53	watercourse	none	35	no div. potential
81-M-246-09	2	0.21	watercourse	none	30	no div. potential
81-M-246-09	4	0.45	watercourse	none	30	no div. potential
81-M-252	7	0.68	watercourse	none	30	no div. potential
81-M	245	24.39	ditch relief	none	24	no div. potential
81-M-252	8	0.73	watercourse	none	22	no div. potential
81-LG-044	4	0.43	watercourse	none	20	no div. potential
81-JS-023	17	1.73	watercourse	none	19	no div. potential
81-RC	53	5.24	ditch relief	none	6	no div. potential
81-BH	9	0.73	ditch relief	none	0	yes, road
81-BH	16	1.60	watercourse	none	0	yes, road
81-BH	19	1.93	watercourse	none	0	yes, road
81-M	208	20.83	ditch relief	undetermined	10	yes, ditch
81-RC-056-02	4	0.41	undetermined	undetermined	0	undetermined

Navarro East Crossings

Road Number	Site #	Mile Post	Crossing Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-FH-005	9	0.86	dipped	high	1300	no div. potential
81-SC-018-04	8	0.76	other	high	1254	yes, road
81-CC-025	7	0.67	other	high	1111	no div. potential
81-B-016	6	0.64	dipped	high	799	no div. potential
81-CC-019-03	1	0.00	dipped	high	711	no div. potential
81-RW-017	22	2.15	dipped	high	300	no div. potential
81-RC-050	1	0.02	bridge	high	290	no div. potential
81-CC-011-01	1	0.00	dipped	high	277	no div. potential
81-M-278	6	0.60	dipped	high	249	no div. potential
81-SC-018-04	5	0.50	other	high	200	no div. potential
81-RW-021	12	1.18	dipped	high	189	no div. potential
81-JS-008	1	0.05	other	high	166	no div. potential
81-M-278	7	0.66	dipped	high	148	no div. potential
81-M-250	5	0.47	dipped	high	133	no div. potential
81-JS-028	1	0.01	bridge	high	126	no div. potential
81-M-304	9	0.88	low water (temp)	high	124	no div. potential
81-SC	17	1.73	bridge	high	111	no div. potential
81-SC-018	1	0.03	bridge	high	100	no div. potential
81-B	17	1.68	bridge	high	66	no div. potential
81-SC-018-04-02	2	0.05	bridge	high	25	no div. potential
81-B	14	1.40	dipped	high	21	no div. potential
81-M-193	6	0.55	dipped	moderate	1182	no div. potential
81-RC-013-08-01	1	0.02	dipped	moderate	888	no div. potential
81-BR-028-05	3	0.22	dipped	moderate	510	no div. potential
81-RW-004	18	1.85	other	moderate	500	no div. potential
81-AR-042-05	2	0.23	other	moderate	400	no div. potential
81-MD-005	24	2.41	bridge	moderate	354	no div. potential
81-RC-056	1	0.08	other	moderate	350	no div. potential
81-RC-056	3	0.29	other	moderate	350	no div. potential
81-RC-056-02	1	0.04	other	moderate	350	no div. potential
81-FH-005	5	0.55	dipped	moderate	350	no div. potential
81-DC-044	8	0.76	dipped	moderate	345	no div. potential
81-RC-013	13	1.30	dipped	moderate	324	no div. potential
81-AR-003	10	0.99	other	moderate	320	yes, road
81-FH-005-06	1	0.09	dipped	moderate	250	no div. potential
81-RW-004	17	1.67	dipped	moderate	245	no div. potential
81-IC-014	2	0.20	dipped	moderate	238	yes, road
81-RC-013-10	1	0.00	dipped	moderate	237	no div. potential
81-CC	16	1.61	bridge	moderate	233	no div. potential
81-RC-003	10	0.97	dipped	moderate	222	no div. potential
81-AR-002	1	0.06	other	moderate	215	no div. potential
81-AR-042	22	2.16	other	moderate	210	already diverted
81-RW-004	14	1.42	dipped	moderate	185	no div. potential
81-RC	53	5.26	other	moderate	178	no div. potential
81-RC	40	3.99	dipped	moderate	177	no div. potential
81-AR-043	26	2.64	dipped	moderate	175	no div. potential
81-CC	14	1.38	dipped	moderate	162	no div. potential
81-RC-003	7	0.69	dipped	moderate	148	no div. potential
81-RC-056-02	2	0.25	dipped	moderate	140	no div. potential
81-B-016	4	0.35	dipped	moderate	129	no div. potential
81-JS	22	2.16	bridge	moderate	127	no div. potential
81-B-005-02	3	0.33	dipped	moderate	125	no div. potential
81-M-250	3	0.27	dipped	moderate	92	no div. potential
81-M-278	2	0.16	dipped	moderate	88	no div. potential
81-RC-051	5	0.47	dipped	moderate	87	no div. potential
81-JS-028	2	0.07	dipped	moderate	85	no div. potential
81-CC-024	8	0.82	dipped	moderate	80	no div. potential
81-DC	23	2.28	dipped	moderate	75	no div. potential
81-M-193	3	0.33	dipped	moderate	74	no div. potential
81-BR-009	14	1.44	dipped	moderate	71	no div. potential
81-RC-047	3	0.33	dipped	moderate	65	no div. potential
81-SC-018-04	14	1.42	dipped	moderate	65	no div. potential
81-RW-021	18	1.83	dipped	moderate	62	yes, road
81-CC-024	7	0.67	dipped	moderate	60	no div. potential
81-RW-021	24	2.37	dipped	moderate	52	yes, road
81-IC	25	2.55	dipped	moderate	50	yes, road
81-JS-026	1	0.01	bridge	moderate	50	no div. potential
81-SC-009	1	0.01	bridge	moderate	40	no div. potential
81-RW-002	8	0.82	dipped	moderate	22	no div. potential
81-WG-008-05	13	1.34	other	moderate	20	no div. potential
81-SC-018	10	1.05	dipped	moderate	17	no div. potential
81-M-202	21	2.10	dipped	moderate	15	no div. potential
81-B	11	1.12	dipped	moderate	14	no div. potential
81-LG-030-05	8	0.76	dipped	moderate	14	no div. potential
81-BR-029	6	0.65	dipped	moderate	11	no div. potential
81-RC-013-08	1	0.01	dipped	low	592	no div. potential
81-LG-016	15	1.48	other	low	389	no div. potential
81-JS-016-02	2	0.19	dipped	low	296	no div. potential
81-CC	21	2.07	dipped	low	266	no div. potential
81-DC	43	4.25	other	low	222	no div. potential
81-M-304	11	0.98	dipped	low	222	no div. potential
81-AR-001-10	2	0.21	other	low	220	yes, road
81-RC-007	2	0.24	dipped	low	220	no div. potential
81-RC-037	2	0.23	dipped	low	207	no div. potential
81-IC-022	5	0.30	other	low	200	already diverted
81-WG-008	19	1.95	other	low	200	no div. potential
81-CC-008	4	0.32	dipped	low	200	no div. potential
81-RC-013	3	0.27	humboldt	low	185	no div. potential
81-RC-045	3	0.27	dipped	low	185	no div. potential
81-WG-009-07	6	0.58	dipped	low	185	no div. potential
81-MD	1	0.11	bridge	low	181	no div. potential
81-CC-011	1	0.14	dipped	low	177	no div. potential
81-JS-023	10	0.98	dipped	low	167	no div. potential
81-JS-026	3	0.35	dipped	low	159	no div. potential
81-JS	15	1.53	bridge	low	156	no div. potential
81-DC	18	1.78	dipped	low	154	no div. potential
81-IC	10	0.96	dipped	low	150	no div. potential
81-RC-033	1	0.02	dipped	low	148	no div. potential
81-RC-047	4	0.38	dipped	low	148	no div. potential
81-CC-011-01	2	0.10	dipped	low	133	no div. potential
81-FH-005-06	3	0.34	dipped	low	130	no div. potential
81-WG-008	39	3.87	other	low	130	no div. potential
81-JS-028	4	0.42	dipped	low	128	no div. potential
81-SC-018-04	10	0.98	humboldt	low	125	no div. potential
81-IC	22	2.24	humboldt	low	120	no div. potential
81-JS-012	1	0.03	bridge	low	120	no div. potential
81-DC-044	11	1.08	dipped	low	118	no div. potential
81-AR-001	10	1.01	bridge	low	111	no div. potential
81-SC-044	1	0.12	dipped	low	111	no div. potential

Navarro East Crossings

Road Number	Site #	Mile Post	Crossing Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-AR-042	1	0.11	other	low	110	already diverted
81-FH-005	11	1.10	dipped	low	110	no div. potential
81-LG-016-06	4	0.44	humboldt	low	108	no div. potential
81-DC-021	2	0.17	other	low	108	no div. potential
81-JS-026-03	3	0.34	dipped	low	105	no div. potential
81-AR-042	3	0.29	other	low	100	yes, road
81-AR-042	5	0.54	other	low	100	already diverted
81-AR-042-30	2	0.17	dipped	low	100	no div. potential
81-IC	30	3.01	humboldt	low	100	no div. potential
81-SC-026-02	19	1.93	bridge	low	100	no div. potential
81-M-202	3	0.28	dipped	low	92	no div. potential
81-AR-042	27	2.68	other	low	90	no div. potential
81-IC-022	2	0.17	dipped	low	90	no div. potential
81-RC-056	12	1.23	other	low	90	no div. potential
81-SC-018-04	1	0.01	bridge	low	90	no div. potential
81-RC-013-10	2	0.17	dipped	low	88	no div. potential
81-RC-037-06	7	0.69	dipped	low	88	no div. potential
81-B-005	1	0.01	bridge	low	88	yes, road
81-M-202	2	0.17	dipped	low	88	no div. potential
81-LG-030-05	14	1.42	dipped	low	88	no div. potential
81-SC-018-04-03	1	0.01	dipped	low	88	no div. potential
81-M-304	10	0.93	dipped	low	88	no div. potential
81-AR-042	2	0.20	other	low	86	already diverted
81-M-194	2	0.12	dipped	low	84	no div. potential
81-RW-004	16	1.60	dipped	low	83	no div. potential
81-AR-042	23	2.18	other	low	80	no div. potential
81-M-243	4	0.42	bridge	low	80	no div. potential
81-LG-044-09	8	0.83	dipped	low	80	no div. potential
81-AR-042	24	2.40	dipped	low	75	no div. potential
81-M-194	1	0.06	dipped	low	75	no div. potential
81-SC-018-04	6	0.64	other	low	75	no div. potential
81-SC-044	3	0.29	dipped	low	75	no div. potential
81-IC	4	0.28	dipped	low	70	no div. potential
81-IC-014	3	0.32	dipped	low	70	no div. potential
81-AR-043-05	18	1.85	bridge	low	70	yes, road
81-SB-022	7	0.73	other	low	70	no div. potential
81-RC-045	5	0.52	other	low	68	no div. potential
81-SC-026-02	3	0.31	dipped	low	67	no div. potential
81-CC-016	1	0.12	humboldt	low	67	no div. potential
81-LG-044	14	1.41	dipped	low	66	no div. potential
81-WG	9	0.86	bridge	low	65	no div. potential
81-AR-001-10	7	0.63	bridge	low	62	no div. potential
81-BC	10	1.02	bridge	low	62	no div. potential
81-IC	3	0.26	dipped	low	62	yes, road
81-AR-042	20	2.04	dipped	low	60	no div. potential
81-AR-042	28	2.72	other	low	60	already diverted
81-AR-042-30	3	0.27	other	low	60	already diverted
81-IC	27	2.63	dipped	low	60	no div. potential
81-IC	32	2.88	other	low	60	already diverted
81-IC-022	3	0.28	dipped	low	60	no div. potential
81-FH-005-06	4	0.43	dipped	low	60	no div. potential
81-M-294	18	1.82	dipped	low	59	no div. potential
81-SC-022-14	10	1.00	other	low	59	no div. potential
81-BC	1	0.11	bridge	low	56	no div. potential
81-RC-013-08	2	0.07	dipped	low	55	no div. potential
81-RC-057	4	0.44	other	low	55	no div. potential
81-B	18	1.83	other	low	55	no div. potential
81-DC-044	10	1.02	dipped	low	55	no div. potential
81-RC-003	6	0.57	dipped	low	53	no div. potential
81-JS-016-02	1	0.03	dipped	low	53	no div. potential
81-PM-016	3	0.29	dipped	low	53	no div. potential
81-AR-042	4	0.44	other	low	50	no div. potential
81-AR-042-22	2	0.03	other	low	50	already diverted
81-AR-042-22	3	0.12	other	low	50	yes, road
81-IC-004	10	0.74	other	low	50	no div. potential
81-IC-022-02	1	0.03	dipped	low	50	no div. potential
81-WG-008	22	2.17	dipped	low	50	no div. potential
81-LG-044-09	2	0.24	dipped	low	50	no div. potential
81-M-284	6	0.64	dipped	low	50	no div. potential
81-BH-007	3	0.26	dipped	low	48	yes, road
81-AR-042	17	1.62	other	low	45	already diverted
81-B	13	1.27	other	low	44	no div. potential
81-BR-009	15	1.51	dipped	low	44	no div. potential
81-IC-014	1	0.14	dipped	low	43	yes, road
81-RC-059	1	0.02	dipped	low	41	no div. potential
81-IC	31	2.81	other	low	40	already diverted
81-IC-004	11	0.86	other	low	40	no div. potential
81-IC-014	6	0.59	dipped	low	40	no div. potential
81-IC-022	4	0.29	other	low	40	no div. potential
81-RC-056-03	1	0.14	other	low	40	no div. potential
81-M-247	1	0.10	bridge	low	40	no div. potential
81-FH-005	10	0.98	dipped	low	40	no div. potential
81-LG-044	16	1.62	dipped	low	40	no div. potential
81-LG-044	18	1.78	other	low	40	no div. potential
81-SC	2	0.18	bridge	low	40	no div. potential
81-JS-012-01	1	0.10	dipped	low	40	no div. potential
81-PM-016	1	0.06	humboldt	low	40	no div. potential
81-CC	22	2.11	dipped	low	40	no div. potential
81-CC-016-01	1	0.15	dipped	low	40	no div. potential
81-SC-018-04-02	3	0.08	dipped	low	37	no div. potential
81-CC-025-01	1	0.02	low water (temp)	low	36	no div. potential
81-DC-021	1	0.08	other	low	36	no div. potential
81-IC-004	7	0.62	other	low	35	no div. potential
81-AR-001-10	6	0.59	bridge	low	35	no div. potential
81-RC-037-06	8	0.76	dipped	low	35	no div. potential
81-BR-018-11	6	0.64	dipped	low	35	no div. potential
81-SC-026-02	14	1.36	dipped	low	35	no div. potential
81-BH-007	2	0.19	dipped	low	35	yes, road
81-AR-003	6	0.59	dipped	low	33	no div. potential
81-AR-019	2	0.21	dipped	low	33	no div. potential
81-JS	2	0.17	bridge	low	33	yes, ditch
81-CC-008	3	0.29	dipped	low	33	no div. potential
81-JS-026-01	3	0.33	dipped	low	32	no div. potential
81-BH-007	4	0.42	other	low	32	yes, road
81-AR-042	16	1.54	other	low	30	already diverted
81-IC	24	2.41	dipped	low	30	already diverted
81-IC	29	2.77	dipped	low	30	no div. potential
81-IC-010	1	0.06	other	low	30	already diverted
81-RC-045	6	0.58	dipped	low	30	no div. potential

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Road Number	Site #	Mile Post	Crossing Type	Treatment Immediacy	Controllable Volume (yd*3)	Diversion Potential
81-B-005	7	0.68	dipped	low	30	no div. potential
81-BC-004	1	0.07	bridge	low	30	no div. potential
81-FH-013	5	0.43	dipped	low	30	no div. potential
81-WG	14	1.41	dipped	low	30	no div. potential
81-WG-008	11	1.10	dipped	low	30	no div. potential
81-WG-008	9	0.83	dipped	low	30	no div. potential
81-SC-042	8	0.76	dipped	low	30	no div. potential
81-JS-012-03	1	0.14	dipped	low	30	no div. potential
81-M-284	2	0.16	dipped	low	29	no div. potential
81-IC-014	5	0.48	dipped	low	28	no div. potential
81-LG-044-09	1	0.01	dipped	low	28	no div. potential
81-MD-005	21	2.08	dipped	low	26	no div. potential
81-IC-010	3	0.12	other	low	25	no div. potential
81-WG-008	8	0.79	dipped	low	25	no div. potential
81-SC-009-02	7	0.73	dipped	low	25	no div. potential
81-SC-009-04	1	0.11	dipped	low	25	no div. potential
81-LR-015-08	1	0.06	dipped	low	25	no div. potential
81-MD-005	22	2.13	dipped	low	24	no div. potential
81-RW-021	9	0.91	humboldt	low	24	no div. potential
81-JS-026-01	4	0.42	dipped	low	24	no div. potential
81-M-194	3	0.29	dipped	low	23	no div. potential
81-WG-008-05	3	0.29	bridge	low	23	no div. potential
81-AR-001	3	0.28	other	low	22	no div. potential
81-M-202	22	2.15	dipped	low	22	no div. potential
81-CC-019	1	0.00	dipped	low	22	no div. potential
81-AR-042	15	1.51	other	low	20	already diverted
81-AR-042-22	1	0.01	other	low	20	already diverted
81-IC	8	0.85	dipped	low	20	no div. potential
81-IC-004	8	0.68	other	low	20	already diverted
81-IC-004	9	0.72	dipped	low	20	no div. potential
81-IC-014	7	0.73	dipped	low	20	no div. potential
81-AR-003	1	0.12	dipped	low	20	no div. potential
81-AR-012	2	0.20	dipped	low	20	no div. potential
81-AR-017	6	0.58	dipped	low	20	no div. potential
81-AR-018	2	0.18	dipped	low	20	no div. potential
81-RC-047	1	0.14	dipped	low	20	no div. potential
81-BC-023	15	1.51	dipped	low	20	no div. potential
81-M-243	5	0.51	other	low	20	no div. potential
81-WG	2	0.22	bridge	low	20	no div. potential
81-WG-015	4	0.40	dipped	low	20	no div. potential
81-M-284	3	0.27	dipped	low	20	no div. potential
81-SC-021	1	0.09	dipped	low	20	no div. potential
81-SC-021	2	0.10	dipped	low	20	no div. potential
81-SC-026-02	15	1.52	dipped	low	20	no div. potential
81-SC-042	4	0.36	dipped	low	18	no div. potential
81-AR-001	9	0.88	other	low	17	no div. potential
81-SC-022-14	5	0.50	bridge	low	16	no div. potential
81-M-310	3	0.31	dipped	low	16	no div. potential
81-IC	15	1.51	dipped	low	15	no div. potential
81-IC	26	2.43	dipped	low	15	no div. potential
81-IC-010	2	0.10	other	low	15	already diverted
81-IC-018	1	0.05	dipped	low	15	yes, road
81-BC-012	2	0.24	dipped	low	15	no div. potential
81-BC-013	2	0.11	dipped	low	15	no div. potential
81-BC-013	3	0.16	dipped	low	15	no div. potential
81-M-251	1	0.06	dipped	low	15	no div. potential
81-FH-013	4	0.37	dipped	low	15	no div. potential
81-M-294-08	5	0.40	dipped	low	15	no div. potential
81-RC-051	6	0.50	dipped	low	14	no div. potential
81-M-294	19	1.91	dipped	low	14	no div. potential
81-M-294	21	2.14	dipped	low	14	no div. potential
81-SC-042	5	0.41	dipped	low	14	no div. potential
81-JS-026	15	1.49	dipped	low	14	no div. potential
81-BC-013	4	0.20	other	low	13	no div. potential
81-JS-026	11	1.06	dipped	low	13	no div. potential
81-BC-023	4	0.45	dipped	low	12	no div. potential
81-BR-028-05	2	0.16	dipped	low	12	no div. potential
81-CC	18	1.77	dipped	low	12	no div. potential
81-CC-019-06	13	1.28	dipped	low	12	no div. potential
81-AR-042	30	3.00	other	low	10	no div. potential
81-IC	11	1.05	dipped	low	10	no div. potential
81-IC	19	1.95	dipped	low	10	already diverted
81-IC	9	0.90	dipped	low	10	no div. potential
81-IC-004	6	0.55	humboldt	low	10	no div. potential
81-AR-019-16	1	0.04	dipped	low	10	no div. potential
81-BC	27	2.71	dipped	low	10	no div. potential
81-BC	28	2.83	dipped	low	10	no div. potential
81-BC-012	1	0.07	other	low	10	no div. potential
81-BC-023-05	5	0.50	dipped	low	10	no div. potential
81-BC-023-11	1	0.14	dipped	low	10	no div. potential
81-M-233	4	0.40	other	low	10	yes, road
81-WE-028	8	0.76	dipped	low	10	no div. potential
81-M-294	17	1.73	dipped	low	10	no div. potential
81-SC-018-04-02	1	0.02	dipped	low	10	no div. potential
81-M-294-08	2	0.16	dipped	low	10	no div. potential
81-CC-019-05	1	0.13	dipped	low	9	no div. potential
81-RC-019	5	0.48	dipped	low	8	no div. potential
81-CC-024	2	0.20	dipped	low	8	no div. potential
81-M-296	1	0.03	dipped	low	7	no div. potential
81-LG-030-03	5	0.53	dipped	low	6	no div. potential
81-LR-013	4	0.35	dipped	low	6	no div. potential
81-BC-011	4	0.44	dipped	low	5	no div. potential
81-BC-011	6	0.58	dipped	low	5	no div. potential
81-BC-011	8	0.80	dipped	low	5	no div. potential
81-BC-023	9	0.95	dipped	low	5	no div. potential
81-BC-023-05	4	0.43	dipped	low	5	no div. potential
81-BC-023-11	3	0.29	dipped	low	5	no div. potential
81-WE	11	1.06	dipped	low	5	no div. potential
81-WG-008-05	26	2.58	dipped	low	5	no div. potential
81-CC-019-06	3	0.34	dipped	low	5	no div. potential
81-SB-004	1	0.03	dipped	low	5	no div. potential
81-LG-030-05	3	0.25	dipped	low	4	no div. potential
81-RW-002	2	0.21	dipped	low	4	no div. potential
81-IC-004	1	0.04	dipped	low	3	no div. potential
81-WG-008-05	22	2.17	dipped	low	3	no div. potential
81-WG-008-05	23	2.19	dipped	low	3	no div. potential
81-RW-002	5	0.53	dipped	low	3	no div. potential
81-CC-019-06	6	0.59	dipped	low	2	no div. potential
81-CC-019-06	7	0.71	dipped	low	2	no div. potential

Navarro East Crossings

Road Number	Site #	Mile Post	Crossing Type	Treatment Immediacy	Controllable Volume (yd ³)	Diversion Potential
81-IC-004	2	0.17	dipped	low	1	already diverted
81-IC-004	4	0.37	dipped	low	1	no div. potential
81-MD-007	4	0.43	dipped	low	1	yes, road
81-IC	28	2.73	dipped	low	0	no div. potential
81-IC-004	5	0.44	dipped	low	0	no div. potential
81-AR-001	12	1.17	bridge	low	0	no div. potential
81-RC	14	1.39	bridge	low	0	no div. potential
81-RC	2	0.18	bridge	low	0	no div. potential
81-BC-013	1	0.02	dipped	low	0	no div. potential
81-M-233-05	1	0.01	other	low	0	no div. potential
81-FH-003	14	1.37	dipped	low	0	no div. potential
81-WG	10	0.99	low water (temp)	low	0	no div. potential
81-LG-044	11	1.06	dipped	low	0	no div. potential
81-M-294-08	3	0.27	dipped	low	0	no div. potential
81-M-294-08	4	0.29	dipped	low	0	no div. potential
81-RW-032	2	0.25	dipped	low	0	no div. potential
81-JS-012	2	0.20	dipped	low	0	no div. potential
81-M	297	29.67	bridge	low	0	no div. potential
81-PM-014	1	0.13	dipped	low	0	no div. potential
81-DC	26	2.59	dipped	low	0	no div. potential
81-FH-012	11	1.09	dipped	low	0	no div. potential
81-FH-012	5	0.51	dipped	low	0	no div. potential
81-LR-015	10	0.95	dipped	low	0	no div. potential
81-LR-015	8	0.76	dipped	low	0	no div. potential
81-LR-015	9	0.79	dipped	low	0	no div. potential
81-DH	17	1.67	bridge	none	226	no div. potential
81-DC-045	2	0.23	bridge	none	144	no div. potential
81-SB	1	0.11	bridge	none	118	no div. potential
81-WE-035-05	1	0.08	dipped	none	100	no div. potential
81-RW	2	0.21	bridge	none	66	no div. potential
81-BR-029	7	0.75	dipped	none	26	no div. potential
81-LG-044	4	0.39	dipped	none	18	no div. potential
81-CC	5	0.50	dipped	none	16	no div. potential
81-M-246-09	2	0.19	dipped	none	15	no div. potential
81-M-246-09	6	0.62	dipped	none	12	no div. potential
81-LG-044	1	0.12	dipped	none	12	no div. potential
81-LG-044	5	0.52	dipped	none	12	no div. potential
81-WG-008-05	14	1.35	other	none	10	no div. potential
81-BR-008	8	0.78	dipped	none	4	yes, road
81-BR-008	9	0.79	dipped	none	4	yes, road
81-BR-008	3	0.25	dipped	none	4	yes, road
81-BR-008	4	0.32	dipped	none	3	yes, road
81-BR-008	6	0.62	dipped	none	3	yes, road
81-CC-019-06	5	0.53	dipped	none	2	no div. potential
81-AR-042	26	2.60	low water (temp)	none	0	no div. potential
81-AR-001	6	0.56	bridge	none	0	no div. potential
81-AR-001	7	0.70	low water (temp)	none	0	no div. potential
81-M-243	1	0.05	low water (temp)	none	0	no div. potential
81-RC-008	2	0.16	low water (temp)	none	0	no div. potential
81-BV-129-15	4	0.35	dipped	none	0	no div. potential
81-BV-129-15	5	0.39	dipped	none	0	no div. potential
81-BV-129-15	6	0.41	dipped	none	0	no div. potential
81-WE-035-05	6	0.57	dipped	none	0	no div. potential
81-WE-035-05	8	0.81	low water (temp)	none	0	no div. potential
81-WG-008-05	33	3.28	low water (temp)	none	0	no div. potential
81-WG-033	14	1.42	dipped	none	0	no div. potential
81-SC-018-04	7	0.69	low water (temp)	none	0	no div. potential
81-SC-022-06	4	0.44	other	none	0	no div. potential
81-SC-022-06-01	1	0.02	other	none	0	no div. potential
81-SC-022-14	1	0.02	other	none	0	no div. potential
81-SC-027	1	0.02	low water (temp)	none	0	no div. potential
81-JS-026-03	1	0.01	dipped	none	0	no div. potential
81-BH	16	1.59	dipped	none	0	no div. potential
81-BH-018	4	0.40	dipped	none	0	no div. potential
81-M-327	2	0.18	low water (temp)	none	0	no div. potential
81-RC-057	1	0.11	undetermined	undetermined	0	undetermined

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-IC-022	7	0.70	high	10000
81-AR-017	9	0.89	high	1200
81-M-304-02	1	0.00	high	888
81-FH-003-12	5	0.49	high	700
81-CC-025	15	1.47	high	519
81-M-250	5	0.52	high	473
81-M-250	3	0.28	high	414
81-M-304	4	0.44	high	384
81-M-310	1	0.12	high	370
81-B-016	4	0.41	high	355
81-CC-025-02	1	0.13	high	296
81-M-278	7	0.75	high	222
81-M-304	9	0.89	high	222
81-SC-018-04-02	4	0.39	high	188
81-CC-019-03	1	0.02	high	144
81-B-005-20	2	0.17	high	111
81-B-016	1	0.02	high	88
81-B	14	1.41	high	14
81-AR-043-05-01	3	0.28	high	0
81-M-232	2	0.16	high	0
81-RC-003	4	0.37	moderate	1255
81-IC-014	8	0.77	moderate	800
81-WG-008	41	4.15	moderate	800
81-RC-051	4	0.40	moderate	740
81-RC-013-05	1	0.11	moderate	355
81-AR-043-05-02	4	0.32	moderate	350
81-AR-001-10	6	0.61	moderate	311
81-AR-043-05	8	0.76	moderate	297
81-BR-018-11	7	0.70	moderate	265
81-IC-022-02	1	0.08	moderate	250
81-CC-024	14	1.39	moderate	240
81-RC-013	13	1.34	moderate	237
81-RC-013-01	4	0.36	moderate	237
81-CC	8	0.84	moderate	231
81-RC-013-10	1	0.11	moderate	222
81-RW-004	17	1.66	moderate	177
81-SC-018	19	1.93	moderate	150
81-CC-019-03	2	0.19	moderate	133
81-CC-025-01	1	0.06	moderate	133
81-M-278	6	0.56	moderate	125
81-B	23	2.29	moderate	118
81-RC-013-05	3	0.32	moderate	118
81-M-260	5	0.49	moderate	111
81-M-278-06	2	0.22	moderate	88
81-JS-028	1	0.06	moderate	85
81-M-210	3	0.29	moderate	55
81-RW-017	7	0.71	moderate	50
81-JS-026	13	1.29	moderate	37
81-SC-018-05	2	0.23	moderate	30
81-M-260-06	2	0.17	moderate	25
81-B-017	2	0.16	moderate	18
81-RW-002	1	0.08	moderate	10
81-CC-011	1	0.13	low	1777
81-SC-009	3	0.25	low	1777
81-RC-035	2	0.22	low	740
81-MD-007-06	5	0.46	low	360
81-SC-018-04-03	3	0.31	low	324
81-JS-007	3	0.29	low	300
81-SB-039-09	3	0.30	low	300
81-SC-042	6	0.64	low	270
81-CC-011-03	1	0.10	low	237
81-JS-026-02	4	0.39	low	213
81-IC-010	1	0.02	low	200
81-CC	14	1.37	low	178
81-CC	11	1.07	low	177
81-IC-001	1	0.04	low	160
81-CC-011	5	0.51	low	151
81-AR-042-30	1	0.14	low	150
81-DC-022	2	0.19	low	148
81-SC-042	5	0.48	low	148
81-SC-042	2	0.16	low	140
81-LR-007-17	2	0.21	low	138
81-FH-003-12	7	0.71	low	120
81-SC-021	2	0.23	low	120
81-B	19	1.87	low	111
81-CC-025	7	0.68	low	111
81-CC-025	11	1.07	low	104
81-SC-009	7	0.65	low	93
81-SC	44	4.42	low	89
81-CC	16	1.58	low	88
81-M-294-07	3	0.34	low	83
81-SC-009-04	4	0.39	low	80
81-BR-018-17	3	0.26	low	74

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-MD-007-06	6	0.62	low	74
81-RW-004-12	4	0.44	low	74
81-RC-013-03	4	0.35	low	65
81-SC-026	2	0.17	low	65
81-AR-042-15	1	0.10	low	60
81-BC-011	7	0.66	low	60
81-IC-004	1	0.02	low	60
81-JS-012-01	5	0.44	low	60
81-MD-007-06	1	0.00	low	59
81-SB	9	0.92	low	56
81-LG-016-06	1	0.09	low	55
81-M	263	26.30	low	50
81-RW-004	12	1.16	low	50
81-WG-033	4	0.42	low	50
81-DC-021	1	0.01	low	46
81-SC-009	10	1.03	low	45
81-LR-021-04	1	0.08	low	44
81-M-304	1	0.03	low	44
81-LG-016-06	3	0.31	low	35
81-BH	22	2.25	low	30
81-CC-008	5	0.49	low	30
81-SC-018-04-01	1	0.02	low	30
81-CC-011	2	0.18	low	28
81-AR-043	30	3.03	low	26
81-B-005	1	0.06	low	25
81-BR-029	8	0.79	low	25
81-LG-012-01	1	0.14	low	25
81-LG-012-01	2	0.23	low	25
81-LG-012-01	4	0.40	low	25
81-LG-016-06-01	1	0.01	low	25
81-BH	12	1.17	low	24
81-AR-003	10	1.02	low	20
81-M-294-05	1	0.03	low	17
81-JS-007	2	0.19	low	15
81-JS-023-13	1	0.14	low	15
81-SC-022-14	1	0.15	low	15
81-SC-022-14	11	1.08	low	15
81-LR-015-08	1	0.08	low	12
81-AR-042	26	2.64	low	10
81-BC-001-11-01	1	0.05	low	10
81-FH-003-15	1	0.01	low	10
81-M-247	2	0.24	low	10
81-SC-009-02	1	0.13	low	10
81-SC-009-02	8	0.83	low	10
81-CC-005-01	1	0.09	low	6
81-RW-021	19	1.94	low	6
81-RC-019	3	0.29	low	5
81-SC-018	11	1.11	low	4
81-AR	11	1.14	low	0
81-AR	15	1.49	low	0
81-AR	24	2.36	low	0
81-AR	5	0.52	low	0
81-AR-001	15	1.46	low	0
81-AR-001	16	1.62	low	0
81-AR-001	18	1.77	low	0
81-AR-002	3	0.27	low	0
81-AR-003	7	0.70	low	0
81-AR-012	1	0.15	low	0
81-AR-019	17	1.74	low	0
81-AR-042-05	2	0.20	low	0
81-AR-042-30	6	0.58	low	0
81-AR-043	13	1.34	low	0
81-AR-043	21	2.06	low	0
81-AR-043-05-01	8	0.78	low	0
81-AR-043-29	2	0.18	low	0
81-AR-043-29	6	0.60	low	0
81-B	10	1.01	low	0
81-B	11	1.13	low	0
81-B-005	22	2.18	low	0
81-B-005	23	2.25	low	0
81-B-005	24	2.36	low	0
81-B-005	25	2.44	low	0
81-B-005	26	2.65	low	0
81-B-005	28	2.80	low	0
81-B-005	34	3.42	low	0
81-B-005	37	3.69	low	0
81-B-005	44	4.40	low	0
81-B-005-02	5	0.47	low	0
81-B-005-17	1	0.11	low	0
81-B-005-23	1	0.05	low	0
81-B-005-29	2	0.15	low	0
81-B-005-29	5	0.47	low	0
81-B-005-29-01	1	0.05	low	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-B-005-29-03	1	0.02	low	0
81-B-005-29-04	1	0.01	low	0
81-B-005-29-05	1	0.08	low	0
81-B-005-29-06	1	0.02	low	0
81-B-005-35	4	0.38	low	0
81-B-016	6	0.63	low	0
81-B-016-04	1	0.04	low	0
81-BC-001	14	1.38	low	0
81-BC-004	2	0.16	low	0
81-BC-004-04-03	2	0.17	low	0
81-BC-013	5	0.45	low	0
81-BC-023	1	0.15	low	0
81-BC-023	5	0.54	low	0
81-BH	11	1.06	low	0
81-BH	14	1.38	low	0
81-BH	15	1.41	low	0
81-BH	16	1.57	low	0
81-BH	17	1.72	low	0
81-BH	18	1.82	low	0
81-BH	19	1.95	low	0
81-BH	20	2.05	low	0
81-BH	24	2.38	low	0
81-BH	26	2.58	low	0
81-BH-018-02	2	0.16	low	0
81-BR	12	1.15	low	0
81-BR	13	1.35	low	0
81-BR	15	1.50	low	0
81-BR	18	1.84	low	0
81-BR	25	2.51	low	0
81-BR	28	2.83	low	0
81-BR	31	3.08	low	0
81-BR	32	3.18	low	0
81-BR	33	3.29	low	0
81-BR	35	3.52	low	0
81-BR	37	3.67	low	0
81-BR	40	3.99	low	0
81-BR-009	11	1.05	low	0
81-BR-009	13	1.26	low	0
81-BR-009	14	1.33	low	0
81-BR-009	15	1.47	low	0
81-BR-009	16	1.60	low	0
81-BR-009	6	0.60	low	0
81-BR-009	8	0.80	low	0
81-BR-009-04	2	0.18	low	0
81-BR-016	1	0.08	low	0
81-BR-018-07	2	0.18	low	0
81-BR-018-07	3	0.27	low	0
81-BR-018-07	5	0.50	low	0
81-BR-018-11	1	0.14	low	0
81-BR-018-11	3	0.32	low	0
81-BR-028	4	0.39	low	0
81-BR-028-05	1	0.12	low	0
81-BR-029	10	1.04	low	0
81-BR-029	3	0.30	low	0
81-BR-029	5	0.55	low	0
81-BR-029	9	0.85	low	0
81-BR-029-05	1	0.00	low	0
81-BR-029-05	2	0.10	low	0
81-BV-129-15	1	0.09	low	0
81-BV-129-15	2	0.14	low	0
81-BV-129-15	6	0.61	low	0
81-CC-004	1	0.08	low	0
81-CC-005	2	0.17	low	0
81-CC-008	3	0.30	low	0
81-CC-008	4	0.36	low	0
81-CC-019	12	1.21	low	0
81-CC-019	15	1.50	low	0
81-CC-019	17	1.72	low	0
81-CC-019	6	0.56	low	0
81-CC-019-05	1	0.05	low	0
81-CC-019-06	10	1.00	low	0
81-CC-019-06	12	1.21	low	0
81-CC-019-06	13	1.34	low	0
81-CC-019-06	2	0.15	low	0
81-CC-019-06	3	0.33	low	0
81-CC-019-06	5	0.49	low	0
81-CC-019-06	6	0.62	low	0
81-CC-019-06	8	0.83	low	0
81-DC	35	3.53	low	0
81-DC	38	3.76	low	0
81-DC-018	17	1.74	low	0
81-DC-044	7	0.72	low	0
81-DC-044	8	0.80	low	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-FH-003	10	0.99	low	0
81-FH-012	2	0.16	low	0
81-FH-012	8	0.81	low	0
81-FH-012	9	0.94	low	0
81-FH-013	3	0.27	low	0
81-FH-013-14	4	0.36	low	0
81-FH-014	16	1.60	low	0
81-IC	1	0.10	low	0
81-IC-003	10	1.02	low	0
81-IC-003	14	1.41	low	0
81-IC-003	16	1.61	low	0
81-IC-003	20	1.95	low	0
81-IC-003	6	0.56	low	0
81-IC-003	7	0.66	low	0
81-IC-004	2	0.17	low	0
81-IC-004	4	0.38	low	0
81-IC-022	1	0.10	low	0
81-JS-012-01	1	0.05	low	0
81-JS-012-01	4	0.35	low	0
81-JS-012-01-01	2	0.18	low	0
81-JS-023	17	1.67	low	0
81-JS-023	19	1.90	low	0
81-JS-023-05-01	1	0.15	low	0
81-JS-023-08	7	0.73	low	0
81-JS-026	14	1.33	low	0
81-JS-026	15	1.46	low	0
81-JS-026	17	1.74	low	0
81-JS-028	6	0.60	low	0
81-JS-028-05	1	0.03	low	0
CR-M212	49	4.93	low	0
CR-M212	62	6.19	low	0
81-LG-006	5	0.50	low	0
81-LG-008	11	1.07	low	0
81-LG-008-08	2	0.24	low	0
81-LG-008-08	4	0.38	low	0
81-LG-016	27	2.67	low	0
81-LG-016-24	1	0.08	low	0
81-LG-036	2	0.16	low	0
81-LG-036-02	1	0.02	low	0
81-LG-038	1	0.08	low	0
81-LG-038	3	0.31	low	0
81-LG-038	5	0.45	low	0
81-LG-042	1	0.05	low	0
81-LG-044	11	1.06	low	0
81-LG-044	14	1.44	low	0
81-LG-044	16	1.62	low	0
81-LG-044	18	1.81	low	0
81-LG-044	3	0.25	low	0
81-LG-044	6	0.61	low	0
81-LG-044	9	0.86	low	0
81-LG-044-09	11	1.05	low	0
81-LG-044-09	12	1.12	low	0
81-LG-044-09	4	0.44	low	0
81-LG-044-09	6	0.56	low	0
81-LG-044-09	8	0.77	low	0
81-LG-044-09	9	0.92	low	0
81-LG-044-09-01	1	0.01	low	0
81-LG-044-09-01	2	0.25	low	0
81-LG-044-09-02	1	0.07	low	0
81-LG-044-12	1	0.04	low	0
81-LG-044-14	1	0.04	low	0
81-LG-046	1	0.01	low	0
81-LG-048	1	0.02	low	0
81-LG-050	2	0.16	low	0
81-LG-054	1	0.03	low	0
81-LG-056	1	0.09	low	0
81-LG-070	11	1.07	low	0
81-LG-070	17	1.75	low	0
81-LG-070	3	0.34	low	0
81-LG-070	4	0.44	low	0
81-LG-070	6	0.65	low	0
81-LG-070	8	0.76	low	0
81-LG-070-05	2	0.19	low	0
81-LG-070-09	2	0.20	low	0
81-LR-002	1	0.02	low	0
81-LR-007	18	1.81	low	0
81-LR-007	21	2.06	low	0
81-LR-007	22	2.18	low	0
81-LR-007	23	2.35	low	0
81-LR-011	1	0.12	low	0
81-LR-011	2	0.19	low	0
81-LR-013	4	0.38	low	0
81-LR-014	1	0.10	low	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-LR-015	10	0.99	low	0
81-LR-015	11	1.02	low	0
81-LR-015	4	0.41	low	0
81-LR-015	6	0.55	low	0
81-LR-022	2	0.18	low	0
81-M	187	18.72	low	0
81-M	265	26.46	low	0
81-M-193	2	0.23	low	0
81-M-193	4	0.38	low	0
81-M-193	5	0.54	low	0
81-M-202	5	0.50	low	0
81-M-224	6	0.64	low	0
81-M-232	3	0.32	low	0
81-M-236	1	0.05	low	0
81-M-240	1	0.09	low	0
81-M-240	3	0.26	low	0
81-M-243	2	0.18	low	0
81-M-243	4	0.37	low	0
81-M-243	5	0.43	low	0
81-M-246	12	1.24	low	0
81-M-246-09	1	0.05	low	0
81-M-246-09	3	0.27	low	0
81-M-246-09	4	0.28	low	0
81-M-246-09	5	0.43	low	0
81-M-246-09	7	0.70	low	0
81-M-246-09	8	0.71	low	0
81-M-248	1	0.03	low	0
81-M-250	1	0.01	low	0
81-M-250	2	0.17	low	0
81-M-252	1	0.04	low	0
81-M-252	2	0.22	low	0
81-M-252	4	0.43	low	0
81-M-252	6	0.58	low	0
81-M-252	8	0.76	low	0
81-M-252	9	0.94	low	0
81-M-252-02	2	0.18	low	0
81-M-253	1	0.15	low	0
81-M-260	2	0.23	low	0
81-M-260	8	0.81	low	0
81-M-262	1	0.07	low	0
81-M-278	2	0.23	low	0
81-M-280	1	0.04	low	0
81-M-294	13	1.31	low	0
81-M-294	14	1.38	low	0
81-M-294	18	1.68	low	0
81-M-294	8	0.77	low	0
81-M-294-07-01	1	0.04	low	0
81-M-294-08	11	0.89	low	0
81-M-294-08	12	0.94	low	0
81-M-294-08	6	0.56	low	0
81-M-294-08	7	0.64	low	0
81-M-294-08	8	0.76	low	0
81-M-304-02	4	0.36	low	0
81-PM	16	1.59	low	0
81-RC	10	0.97	low	0
81-RC	2	0.25	low	0
81-RC	24	2.38	low	0
81-RC	33	3.25	low	0
81-RC	34	3.36	low	0
81-RC	35	3.51	low	0
81-RC	38	3.76	low	0
81-RC	41	4.09	low	0
81-RC	49	4.91	low	0
81-RC	50	5.00	low	0
81-RC	53	5.32	low	0
81-RC	7	0.72	low	0
81-RC-003	10	0.99	low	0
81-RC-003	5	0.44	low	0
81-RC-003	8	0.80	low	0
81-RC-013	12	1.16	low	0
81-RC-013	15	1.49	low	0
81-RC-013	6	0.63	low	0
81-RC-013	8	0.82	low	0
81-RC-013-08	2	0.17	low	0
81-RC-013-08	4	0.41	low	0
81-RC-013-08-01	1	0.05	low	0
81-RC-013-10	2	0.22	low	0
81-RC-015	1	0.10	low	0
81-RC-015	10	0.97	low	0
81-RC-015	12	1.19	low	0
81-RC-015	2	0.17	low	0
81-RC-015	5	0.49	low	0
81-RC-015	7	0.71	low	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-RC-015	8	0.82	low	0
81-RC-019	6	0.64	low	0
81-RC-035	1	0.09	low	0
81-RC-037	3	0.30	low	0
81-RC-037	7	0.75	low	0
81-RC-037	9	0.90	low	0
81-RC-037-06	1	0.00	low	0
81-RC-037-06	2	0.24	low	0
81-RC-037-06	5	0.51	low	0
81-RC-037-06	6	0.64	low	0
81-RC-037-06	8	0.84	low	0
81-RC-045	4	0.40	low	0
81-RC-045	6	0.64	low	0
81-RC-047	4	0.37	low	0
81-RC-048	1	0.02	low	0
81-RC-049	1	0.07	low	0
81-RC-050-01	1	0.02	low	0
81-RC-056-13	1	0.02	low	0
81-RC-056-13	2	0.14	low	0
81-RC-057	2	0.23	low	0
81-RW	11	1.05	low	0
81-RW	12	1.13	low	0
81-RW	13	1.24	low	0
81-RW	14	1.41	low	0
81-RW	19	1.86	low	0
81-RW	20	2.01	low	0
81-RW	22	2.24	low	0
81-RW	24	2.36	low	0
81-RW	25	2.54	low	0
81-RW	27	2.74	low	0
81-RW	5	0.50	low	0
81-RW	9	0.89	low	0
81-RW-002	5	0.52	low	0
81-RW-002	8	0.83	low	0
81-RW-004	1	0.02	low	0
81-RW-004	10	1.03	low	0
81-RW-004	2	0.14	low	0
81-RW-004	5	0.50	low	0
81-RW-004	6	0.63	low	0
81-RW-004	8	0.77	low	0
81-RW-004	9	0.90	low	0
81-RW-004-12	1	0.15	low	0
81-RW-004-12	2	0.23	low	0
81-RW-004-12	7	0.67	low	0
81-RW-007	1	0.05	low	0
81-RW-017	1	0.00	low	0
81-RW-021	14	1.45	low	0
81-RW-021	22	2.23	low	0
81-RW-021	24	2.40	low	0
81-RW-021	25	2.51	low	0
81-RW-021	27	2.73	low	0
81-RW-021-14	2	0.16	low	0
81-RW-022	3	0.26	low	0
81-RW-032	1	0.01	low	0
81-RW-032	2	0.07	low	0
81-RW-032	7	0.69	low	0
81-SB-032	1	0.05	low	0
81-SB-032	2	0.23	low	0
81-SB-039	13	1.33	low	0
81-SB-039	14	1.38	low	0
81-SC	43	4.27	low	0
81-SC-018	10	1.05	low	0
81-SC-018	16	1.60	low	0
81-SC-018	17	1.70	low	0
81-SC-018	18	1.77	low	0
81-SC-018	21	2.09	low	0
81-SC-018	5	0.49	low	0
81-SC-018	8	0.82	low	0
81-SC-018-01	10	0.96	low	0
81-SC-018-04	10	0.99	low	0
81-SC-018-04	8	0.79	low	0
81-SC-018-04-02	1	0.07	low	0
81-SC-022-06	6	0.56	low	0
81-SC-037	1	0.12	low	0
81-SC-037	5	0.49	low	0
81-SC-037	7	0.72	low	0
81-SC-037	9	0.85	low	0
81-SC-038	1	0.07	low	0
81-SC-039	3	0.28	low	0
81-SC-039	4	0.41	low	0
81-SC-042	11	1.11	low	0
81-SC-043	1	0.07	low	0
81-SC-044	4	0.42	low	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-SC-044	6	0.62	low	0
81-WE	24	2.37	low	0
81-WE	25	2.52	low	0
81-WE	28	2.82	low	0
81-WG	23	2.27	low	0
81-WG	27	2.71	low	0
81-WG	28	2.82	low	0
81-WG	31	3.12	low	0
81-WG-008	22	2.19	low	0
81-WG-008	8	0.76	low	0
81-WG-008-05	25	2.54	low	0
81-WG-009	15	1.52	low	0
81-WG-009	18	1.75	low	0
81-WG-009	19	1.93	low	0
81-WG-009	7	0.65	low	0
81-WG-009-04	1	0.05	low	0
81-WG-009-07-01	1	0.01	low	0
81-WG-009-12	3	0.28	low	0
81-WG-009-13	2	0.19	low	0
81-WG-009-18	3	0.34	low	0
81-WG-012	4	0.36	low	0
81-WG-033	5	0.51	low	0
81-DC	42	4.17	none	50
81-DC	44	4.39	none	50
81-M-284	4	0.42	none	20
81-BC-001	21	2.12	none	10
81-AR	32	3.24	none	0
81-AR	36	3.63	none	0
81-AR	41	4.10	none	0
81-AR	50	5.03	none	0
81-AR	56	5.56	none	0
81-AR	67	6.68	none	0
81-AR-001	8	0.82	none	0
81-AR-001-06	3	0.31	none	0
81-AR-001-10	4	0.36	none	0
81-AR-003	4	0.42	none	0
81-AR-012	2	0.23	none	0
81-AR-012	3	0.34	none	0
81-AR-012	5	0.49	none	0
81-AR-014	1	0.07	none	0
81-AR-017	2	0.21	none	0
81-AR-017	4	0.43	none	0
81-AR-017	6	0.61	none	0
81-AR-018	1	0.07	none	0
81-AR-018	4	0.38	none	0
81-AR-019	11	1.14	none	0
81-AR-019	13	1.32	none	0
81-AR-019	2	0.15	none	0
81-AR-019	7	0.73	none	0
81-AR-019-05	1	0.12	none	0
81-AR-019-16	1	0.11	none	0
81-AR-039	1	0.14	none	0
81-AR-041	1	0.05	none	0
81-AR-042	21	2.09	none	0
81-AR-043	11	1.09	none	0
81-AR-043	17	1.73	none	0
81-AR-043	19	1.94	none	0
81-AR-043	2	0.20	none	0
81-AR-043	23	2.26	none	0
81-AR-043	24	2.44	none	0
81-AR-043	4	0.38	none	0
81-AR-043	7	0.71	none	0
81-AR-043	8	0.84	none	0
81-AR-043-03	3	0.29	none	0
81-AR-043-03	4	0.39	none	0
81-AR-043-03-01	1	0.09	none	0
81-AR-043-05	13	1.28	none	0
81-AR-043-05	14	1.41	none	0
81-AR-043-05	17	1.70	none	0
81-AR-043-05	18	1.83	none	0
81-AR-043-05	6	0.59	none	0
81-AR-043-05-01	10	1.00	none	0
81-AR-043-05-01	12	1.24	none	0
81-AR-043-05-01	14	1.38	none	0
81-AR-043-05-01	5	0.51	none	0
81-AR-043-05-02	1	0.07	none	0
81-AR-043-05-02	2	0.16	none	0
81-AR-043-05-02	3	0.20	none	0
81-AR-043-05-03	2	0.23	none	0
81-AR-043-05-03	4	0.37	none	0
81-AR-043-05-03	5	0.49	none	0
81-AR-043-13	1	0.05	none	0
81-AR-043-29	3	0.35	none	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-AR-043-32	1	0.09	none	0
81-AR-043-32-01	1	0.03	none	0
81-AR-054	6	0.60	none	0
81-AR-065	3	0.25	none	0
81-AR-065	4	0.45	none	0
81-B-002	10	1.02	none	0
81-B-002	11	1.11	none	0
81-B-002	8	0.77	none	0
81-B-005	14	1.37	none	0
81-B-005	3	0.28	none	0
81-B-005	4	0.43	none	0
81-B-005	6	0.59	none	0
81-B-005	8	0.77	none	0
81-B-005	9	0.88	none	0
81-B-005-01	1	0.14	none	0
81-B-005-01	3	0.29	none	0
81-B-005-14	2	0.16	none	0
81-B-005-15	3	0.33	none	0
81-B-005-18	1	0.07	none	0
81-B-005-18	3	0.27	none	0
81-B-005-18	4	0.34	none	0
81-B-005-18	5	0.47	none	0
81-B-005-18	6	0.63	none	0
81-B-005-20	1	0.01	none	0
81-B-005-20	4	0.39	none	0
81-B-005-20	5	0.46	none	0
81-BC	14	1.36	none	0
81-BC	22	2.16	none	0
81-BC	25	2.50	none	0
81-BC	5	0.51	none	0
81-BC	7	0.75	none	0
81-BC-001	1	0.08	none	0
81-BC-001	11	1.10	none	0
81-BC-001	17	1.70	none	0
81-BC-001	25	2.45	none	0
81-BC-001	6	0.58	none	0
81-BC-001	8	0.76	none	0
81-BC-001	9	0.86	none	0
81-BC-001-07	3	0.32	none	0
81-BC-001-11	5	0.54	none	0
81-BC-001-11-02	1	0.05	none	0
81-BC-001-11-02	2	0.11	none	0
81-BC-001-13	4	0.37	none	0
81-BC-001-18	1	0.07	none	0
81-BC-004-04	10	0.99	none	0
81-BC-011	11	1.14	none	0
81-BC-011	15	1.50	none	0
81-BC-011	3	0.27	none	0
81-BC-011-01	2	0.20	none	0
81-BC-011-01	4	0.44	none	0
81-BC-012	1	0.02	none	0
81-BC-012	3	0.28	none	0
81-BC-013	3	0.25	none	0
81-BC-023	13	1.35	none	0
81-BC-023	16	1.58	none	0
81-BC-023	8	0.84	none	0
81-BC-023-05	1	0.01	none	0
81-BC-023-05	3	0.31	none	0
81-BC-023-05	6	0.56	none	0
81-BC-023-11	1	0.04	none	0
81-BC-023-11	2	0.24	none	0
81-BC-023-11	4	0.40	none	0
81-BC-023-14	2	0.19	none	0
81-BC-029	2	0.17	none	0
81-BH	7	0.70	none	0
81-BH	9	0.87	none	0
81-BH-014	2	0.19	none	0
81-BH-018	2	0.24	none	0
81-BH-018	4	0.37	none	0
81-BH-018	6	0.59	none	0
81-BH-018	7	0.73	none	0
81-BH-018	8	0.79	none	0
81-BH-018-02	4	0.36	none	0
81-BH-018-05	1	0.04	none	0
81-BR	2	0.17	none	0
81-BR	24	2.36	none	0
81-BR	4	0.38	none	0
81-BR	6	0.55	none	0
81-BR	7	0.75	none	0
81-BR-008	2	0.18	none	0
81-BR-008	4	0.43	none	0
81-BR-008	8	0.80	none	0
81-BR-009	2	0.15	none	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-BR-009	3	0.31	none	0
81-BR-009	5	0.47	none	0
81-BR-018	10	1.02	none	0
81-BR-018	16	1.60	none	0
81-BR-018	3	0.26	none	0
81-BR-018	4	0.38	none	0
81-BR-018	6	0.63	none	0
81-BR-018	8	0.75	none	0
81-BR-018	9	0.94	none	0
81-BR-024	2	0.23	none	0
81-BR-024	3	0.34	none	0
81-BR-024	4	0.41	none	0
81-BR-026	2	0.16	none	0
81-BR-028	7	0.66	none	0
81-BR-028	8	0.82	none	0
81-BR-032	1	0.13	none	0
81-BR-036	4	0.38	none	0
81-BR-036	5	0.53	none	0
81-BR-036	7	0.66	none	0
81-BR-036-01	1	0.02	none	0
81-BR-036-02	2	0.19	none	0
81-BR-036-02	4	0.44	none	0
81-BR-036-04	1	0.09	none	0
81-BV-129-11	4	0.38	none	0
81-BV-129-15	4	0.43	none	0
81-CC	1	0.05	none	0
81-CC	21	2.09	none	0
81-CC	24	2.36	none	0
81-CC-001	1	0.04	none	0
81-CC-005	1	0.01	none	0
81-CC-011	10	1.02	none	0
81-CC-011	8	0.84	none	0
81-CC-012	3	0.31	none	0
81-CC-012	4	0.41	none	0
81-CC-012	6	0.58	none	0
81-CC-016	1	0.09	none	0
81-CC-016	2	0.21	none	0
81-CC-016	4	0.36	none	0
81-CC-016-01	1	0.12	none	0
81-CC-016-01	2	0.19	none	0
81-CC-019	10	1.00	none	0
81-CC-019	13	1.33	none	0
81-CC-019	19	1.85	none	0
81-CC-019-05	2	0.22	none	0
81-CC-019-05	4	0.39	none	0
81-CC-019-06	1	0.03	none	0
81-CC-019-06-01	1	0.07	none	0
81-CC-024	12	1.17	none	0
81-CC-024	16	1.64	none	0
81-CC-024	2	0.19	none	0
81-CC-025	6	0.58	none	0
81-CC-025-04	1	0.06	none	0
81-CU-182-03	15	1.45	none	0
81-CU-182-05	2	0.06	none	0
81-CU-182-05	3	0.13	none	0
81-CU-182-05	6	0.56	none	0
81-CU-216	1	0.09	none	0
81-DC	11	1.08	none	0
81-DC	13	1.27	none	0
81-DC	15	1.53	none	0
81-DC	19	1.93	none	0
81-DC	2	0.16	none	0
81-DC	28	2.75	none	0
81-DC	29	2.87	none	0
81-DC	31	3.07	none	0
81-DC	32	3.24	none	0
81-DC	4	0.40	none	0
81-DC	5	0.50	none	0
81-DC	7	0.71	none	0
81-DC-018	1	0.03	none	0
81-DC-018	12	1.21	none	0
81-DC-018	3	0.35	none	0
81-DC-018	6	0.60	none	0
81-DC-019	1	0.03	none	0
81-DC-021	2	0.12	none	0
81-DC-021	3	0.23	none	0
81-DC-044	10	0.97	none	0
81-DC-044	12	1.23	none	0
81-DC-044	2	0.17	none	0
81-DC-044	5	0.50	none	0
81-FH	3	0.27	none	0
81-FH	5	0.47	none	0
81-FH	6	0.62	none	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-FH	9	0.86	none	0
81-FH-003	1	0.08	none	0
81-FH-003	5	0.51	none	0
81-FH-003-13	1	0.00	none	0
81-FH-005	3	0.28	none	0
81-FH-005	5	0.55	none	0
81-FH-005-06	2	0.17	none	0
81-FH-005-06	5	0.52	none	0
81-FH-012	1	0.09	none	0
81-FH-012	11	1.13	none	0
81-FH-012	5	0.55	none	0
81-FH-012-02	3	0.26	none	0
81-FH-013	1	0.10	none	0
81-FH-013	11	1.14	none	0
81-FH-013	14	1.37	none	0
81-FH-013	5	0.48	none	0
81-FH-013-09	1	0.01	none	0
81-FH-013-09	2	0.10	none	0
81-FH-014	19	1.89	none	0
81-FH-015	1	0.08	none	0
81-FH-015	2	0.17	none	0
81-FH-015-02	1	0.05	none	0
81-FH-015-04	1	0.05	none	0
81-FH-015-06	1	0.09	none	0
81-IC	13	1.25	none	0
81-IC	14	1.44	none	0
81-IC	9	0.90	none	0
81-IC-003	25	2.49	none	0
81-IC-014	4	0.37	none	0
81-IC-018	1	0.12	none	0
81-JS-001	3	0.28	none	0
81-JS-001	4	0.44	none	0
81-JS-006	1	0.01	none	0
81-JS-006	2	0.17	none	0
81-JS-008	2	0.17	none	0
81-JS-012	2	0.17	none	0
81-JS-012-03	1	0.05	none	0
81-JS-012-03	2	0.16	none	0
81-JS-013	1	0.10	none	0
81-JS-015	1	0.10	none	0
81-JS-015	3	0.33	none	0
81-JS-015	5	0.50	none	0
81-JS-015	6	0.58	none	0
81-JS-015	7	0.70	none	0
81-JS-015-01	4	0.42	none	0
81-JS-015-01	5	0.50	none	0
81-JS-016	2	0.19	none	0
81-JS-016-02	1	0.02	none	0
81-JS-016-02	2	0.19	none	0
81-JS-023	12	1.20	none	0
81-JS-023	13	1.31	none	0
81-JS-023	7	0.69	none	0
81-JS-023	8	0.83	none	0
81-JS-023-05	1	0.01	none	0
81-JS-023-05-01	2	0.25	none	0
81-JS-023-05-02	1	0.11	none	0
81-JS-023-05-02	3	0.26	none	0
81-JS-023-08	3	0.28	none	0
81-JS-023-08	5	0.49	none	0
81-JS-023-08-01	1	0.04	none	0
81-JS-023-08-03	1	0.04	none	0
81-JS-023-15	2	0.21	none	0
81-JS-026	7	0.68	none	0
81-JS-026	9	0.85	none	0
81-JS-026-01	1	0.14	none	0
81-JS-026-02	1	0.02	none	0
81-JS-026-02	2	0.22	none	0
81-JS-026-03	3	0.26	none	0
81-JS-026-03	6	0.56	none	0
81-JS-026-03-01	1	0.07	none	0
81-JS-026-15	1	0.07	none	0
81-JS-028	9	0.92	none	0
CR-M212	68	6.76	none	0
CR-M212	71	7.11	none	0
81-LG-004	4	0.35	none	0
81-LG-004	5	0.44	none	0
81-LG-006	3	0.31	none	0
81-LG-006	7	0.67	none	0
81-LG-006	8	0.74	none	0
81-LG-006-04	1	0.12	none	0
81-LG-006-04-01	1	0.02	none	0
81-LG-006-05	1	0.00	none	0
81-LG-006-05	2	0.18	none	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-LG-008	1	0.09	none	0
81-LG-008	2	0.22	none	0
81-LG-008	6	0.60	none	0
81-LG-008	7	0.73	none	0
81-LG-008	8	0.83	none	0
81-LG-008	9	0.93	none	0
81-LG-008-06	1	0.11	none	0
81-LG-016	16	1.63	none	0
81-LG-016	19	1.88	none	0
81-LG-016	23	2.27	none	0
81-LG-016	24	2.41	none	0
81-LG-016	3	0.27	none	0
81-LG-016-18	1	0.09	none	0
81-LG-030	4	0.37	none	0
81-LG-030	5	0.45	none	0
81-LG-030-02	1	0.02	none	0
81-LG-030-03	1	0.12	none	0
81-LG-030-03	4	0.40	none	0
81-LG-030-03	6	0.63	none	0
81-LG-030-05	10	1.03	none	0
81-LG-030-05	12	1.16	none	0
81-LG-030-05	13	1.21	none	0
81-LG-030-05	14	1.31	none	0
81-LG-030-05	16	1.62	none	0
81-LG-030-05	17	1.67	none	0
81-LG-030-05	2	0.20	none	0
81-LG-030-05	4	0.40	none	0
81-LG-030-05	5	0.49	none	0
81-LG-030-05	8	0.79	none	0
81-LG-030-05-01	1	0.05	none	0
81-LG-030-05-01	3	0.26	none	0
81-LG-030-05-02	2	0.23	none	0
81-LG-030-08	1	0.13	none	0
81-LG-080	3	0.25	none	0
81-LG-080	6	0.57	none	0
81-LG-080-15	1	0.12	none	0
81-LR	1	0.14	none	0
81-LR	12	1.15	none	0
81-LR	4	0.35	none	0
81-LR	5	0.52	none	0
81-LR	7	0.66	none	0
81-LR	8	0.78	none	0
81-LR	9	0.89	none	0
81-LR-007	11	1.13	none	0
81-LR-007	15	1.45	none	0
81-LR-007	4	0.37	none	0
81-LR-007	5	0.52	none	0
81-LR-009	1	0.05	none	0
81-LR-015	8	0.82	none	0
81-LR-021	2	0.19	none	0
81-LR-021	3	0.33	none	0
81-LR-021	5	0.48	none	0
81-LR-021-04	2	0.22	none	0
81-M	236	23.57	none	0
81-M-192	1	0.15	none	0
81-M-194	11	1.09	none	0
81-M-194	14	1.38	none	0
81-M-194	15	1.48	none	0
81-M-194	5	0.45	none	0
81-M-194	7	0.72	none	0
81-M-194-05	1	0.08	none	0
81-M-202	11	1.10	none	0
81-M-202	12	1.16	none	0
81-M-202	19	1.86	none	0
81-M-202-08	1	0.06	none	0
81-M-202-16	1	0.08	none	0
81-M-210	1	0.02	none	0
81-M-220	2	0.18	none	0
81-M-222	1	0.03	none	0
81-M-224	1	0.04	none	0
81-M-224	2	0.22	none	0
81-M-224	3	0.27	none	0
81-M-224	4	0.41	none	0
81-M-233	2	0.20	none	0
81-M-243	6	0.49	none	0
81-M-243-01	1	0.03	none	0
81-M-247	1	0.09	none	0
81-M-251	1	0.09	none	0
81-M-284	10	1.04	none	0
81-M-284	12	1.18	none	0
81-M-284	13	1.23	none	0
81-M-284-03	1	0.02	none	0
81-M-289	4	0.42	none	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-M-294	10	1.01	none	0
81-M-294	12	1.24	none	0
81-M-294	16	1.55	none	0
81-M-294	17	1.61	none	0
81-M-294	20	1.98	none	0
81-M-294	22	2.19	none	0
81-M-294	23	2.24	none	0
81-M-294	3	0.33	none	0
81-M-294-05	5	0.47	none	0
81-M-294-08	10	0.84	none	0
81-M-294-08	13	1.00	none	0
81-M-294-08	14	1.07	none	0
81-M-294-08	15	1.13	none	0
81-M-294-08	9	0.79	none	0
81-M-294-15-01	2	0.20	none	0
81-M-296	2	0.18	none	0
81-M-296-02	1	0.01	none	0
81-M-304	12	1.20	none	0
81-M-304	8	0.82	none	0
81-M-304-02	2	0.12	none	0
81-M-304-07	1	0.02	none	0
81-M-310	14	1.35	none	0
81-M-310	4	0.39	none	0
81-M-310	5	0.43	none	0
81-M-310	6	0.56	none	0
81-M-310-11	1	0.00	none	0
81-M-310-11	2	0.07	none	0
81-M-317	1	0.09	none	0
81-MD	10	0.99	none	0
81-MD	18	1.85	none	0
81-MD	20	2.00	none	0
81-MD	22	2.20	none	0
81-MD	25	2.46	none	0
81-MD	4	0.40	none	0
81-MD	7	0.68	none	0
81-MD-005	1	0.13	none	0
81-MD-005	10	1.01	none	0
81-MD-005	12	1.20	none	0
81-MD-005	15	1.47	none	0
81-MD-005	18	1.76	none	0
81-MD-005	20	1.96	none	0
81-MD-005	3	0.25	none	0
81-MD-005	4	0.40	none	0
81-MD-005	5	0.45	none	0
81-MD-005	7	0.73	none	0
81-MD-007-06	2	0.19	none	0
81-MD-016	1	0.05	none	0
81-PM-016	6	0.62	none	0
81-PM-023	1	0.08	none	0
81-RC	27	2.68	none	0
81-RC	55	5.54	none	0
81-RC-007	2	0.18	none	0
81-RC-007	3	0.35	none	0
81-RC-008	8	0.79	none	0
81-RC-008-03	1	0.06	none	0
81-RC-008-03	2	0.20	none	0
81-RC-008-03	4	0.41	none	0
81-RC-008-06	1	0.02	none	0
81-RC-008-06	2	0.16	none	0
81-RC-015	15	1.51	none	0
81-RC-015	17	1.74	none	0
81-RC-015-19	2	0.16	none	0
81-RC-056	10	0.95	none	0
81-RC-056	11	1.09	none	0
81-RC-056	12	1.18	none	0
81-RC-056	19	1.87	none	0
81-RC-056	6	0.60	none	0
81-RC-056	7	0.68	none	0
81-RC-056	8	0.85	none	0
81-RC-056-02	2	0.17	none	0
81-RC-056-02	3	0.34	none	0
81-RC-056-03	1	0.06	none	0
81-RC-056-03	2	0.19	none	0
81-RC-057	1	0.09	none	0
81-RC-057	6	0.56	none	0
81-RC-059	16	1.60	none	0
81-RC-059	7	0.69	none	0
81-RC-059-04	1	0.09	none	0
81-RC-059-04	3	0.28	none	0
81-RC-059-07	3	0.29	none	0
81-RC-059-07-01	1	0.04	none	0
81-RW-017	10	0.98	none	0
81-RW-017	11	1.09	none	0

Navarro East Landings

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-RW-017	13	1.28	none	0
81-RW-017	14	1.44	none	0
81-RW-017	17	1.67	none	0
81-RW-017	19	1.90	none	0
81-RW-017	20	2.03	none	0
81-RW-017	23	2.27	none	0
81-RW-017	25	2.52	none	0
81-RW-017	3	0.31	none	0
81-RW-017	4	0.39	none	0
81-RW-017	5	0.53	none	0
81-RW-021	11	1.07	none	0
81-RW-021	13	1.30	none	0
81-RW-021	2	0.15	none	0
81-RW-021	6	0.61	none	0
81-RW-021	9	0.90	none	0
81-SB	3	0.25	none	0
81-SB	35	3.49	none	0
81-SB	4	0.33	none	0
81-SB	6	0.58	none	0
81-SB-039	4	0.41	none	0
81-SB-039-04	2	0.17	none	0
81-SB-039-04	5	0.49	none	0
81-SB-039-04	7	0.72	none	0
81-SB-039-07	1	0.01	none	0
81-SB-039-07	3	0.33	none	0
81-SB-039-09	1	0.11	none	0
81-SB-041	1	0.04	none	0
81-SB-041	3	0.32	none	0
81-SC	14	1.42	none	0
81-SC	26	2.55	none	0
81-SC	27	2.71	none	0
81-SC-009	4	0.36	none	0
81-SC-009-02	5	0.47	none	0
81-SC-009-02	7	0.67	none	0
81-SC-009-04-01	1	0.03	none	0
81-SC-018	3	0.25	none	0
81-SC-018-01	1	0.13	none	0
81-SC-018-01	2	0.23	none	0
81-SC-018-01	6	0.61	none	0
81-SC-018-01	8	0.79	none	0
81-SC-018-01	9	0.88	none	0
81-SC-018-04	5	0.48	none	0
81-SC-022-06	4	0.44	none	0
81-SC-022-06	5	0.51	none	0
81-SC-022-06-01	1	0.06	none	0
81-SC-022-06-01	2	0.18	none	0
81-SC-026-02	12	1.18	none	0
81-SC-026-02	14	1.38	none	0
81-SC-026-02	17	1.67	none	0
81-SC-026-02	3	0.28	none	0
81-SC-026-02	8	0.78	none	0
81-SC-026-02-01	1	0.04	none	0
81-SC-026-02-02	1	0.04	none	0
81-SC-027	2	0.17	none	0
81-SC-027	3	0.20	none	0
81-SC-027-03	1	0.10	none	0
81-WE	12	1.24	none	0
81-WE	14	1.38	none	0
81-WE	16	1.57	none	0
81-WE	22	2.23	none	0
81-WE	32	3.22	none	0
81-WE-009	1	0.04	none	0
81-WE-018	1	0.03	none	0
81-WE-028	2	0.25	none	0
81-WE-028	7	0.66	none	0
81-WE-028	8	0.79	none	0
81-WE-035	2	0.16	none	0
81-WE-035-05-01	1	0.12	none	0
81-WE-046	1	0.05	none	0
81-WG	15	1.52	none	0
81-WG	18	1.81	none	0
81-WG	2	0.19	none	0
81-WG	24	2.41	none	0
81-WG	8	0.80	none	0
81-WG-006	13	1.30	none	0
81-WG-006	8	0.85	none	0
81-WG-006-01	1	0.01	none	0
81-WG-008	10	0.99	none	0
81-WG-008	11	1.09	none	0
81-WG-008	14	1.36	none	0
81-WG-008	28	2.76	none	0
81-WG-008	3	0.31	none	0
81-WG-008	31	3.14	none	0

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Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (yd^3)
81-WG-008	7	0.70	none	0
81-WG-008	9	0.82	none	0
81-WG-008-05	12	1.20	none	0
81-WG-008-05	21	2.12	none	0
81-WG-008-05	4	0.42	none	0
81-WG-008-05-01	1	0.05	none	0
81-WG-008-05-03	1	0.07	none	0
81-WG-008-23	2	0.22	none	0
81-WG-009-07	10	1.01	none	0
81-WG-009-07-01	2	0.06	none	0
81-WG-009-11	1	0.03	none	0
81-WG-009-16	1	0.03	none	0
81-WG-011	1	0.07	none	0
81-WG-012	1	0.03	none	0
81-WG-012	2	0.19	none	0
81-WG-015	5	0.54	none	0
81-WG-015-04	1	0.03	none	0
81-WG-018	1	0.12	none	0
81-WG-021	2	0.17	none	0
81-WG-033	11	1.13	none	0
81-WG-033	13	1.32	none	0
81-WG-033	16	1.57	none	0
81-WG-033	6	0.65	none	0
81-WG-033	9	0.87	none	0
81-WG-033-04	1	0.09	none	0
81-WG-033-04	5	0.46	none	0
81-WG-033-04	7	0.66	none	0
81-WG-033-04-01	3	0.34	none	0
81-WG-033-04-02	1	0.03	none	0
81-BC-023	17	1.73	undetermined	0
81-BR-008	7	0.71	undetermined	0
81-JS-021	1	0.06	undetermined	0
81-WG-008	33	3.31	undetermined	0
81-WG-033	15	1.50	undetermined	0
81-WG-033-04	13	1.27	undetermined	0

Navarro East Roadslides

Road Number	Site #	Mile Post	Roadslide Type	Treatment Immediacy	Controllable Volume (yd ³)
81-CC-025	13	1.29	fill	high	8700
81-CC-025	20	1.72	fill	high	4444
81-RW-004	13	1.29	cutbank	high	2844
81-IC-022-02	2	0.09	fill	high	2000
81-DC	35	3.44	cutbank	high	1777
81-DC-044	1	0.01	unknown	high	1333
81-CC-025	21	1.74	cutbank	high	1111
81-LG-016	23	2.35	fill	high	900
81-RW-004	19	1.87	cutbank	high	711
81-RW-004	16	1.62	streambank	high	592
81-RC-015	6	0.55	unknown	high	284
81-CC	19	1.92	streambank	high	248
81-RW-021	12	1.18	fill	high	192
81-MD	29	2.82	fill	high	133
81-M-304	1	0.14	streambank	high	103
81-RC-013	4	0.40	streambank	high	92
81-AR-043-05-01	3	0.31	unknown	high	0
81-B-005-02	2	0.18	unknown	high	0
81-M-232	2	0.17	cutbank	high	0
81-CC-025	16	1.39	cutbank	moderate	7400
81-M	331	33.12	streambank	moderate	4400
81-M-294-08	4	0.41	unknown	moderate	2960
81-SC-018-04	3	0.19	unknown	moderate	2600
81-M	270	27.02	fill	moderate	2200
81-FH-003-12	2	0.21	fill	moderate	1000
81-WG-033	14	1.36	unknown	moderate	1000
81-MD	26	2.62	cutbank	moderate	1000
81-DC-018	8	0.78	unknown	moderate	900
81-M	304	30.44	fill	moderate	850
81-CC-025	19	1.62	cutbank	moderate	778
81-LG-016-06	2	0.23	unknown	moderate	740
81-M-278	3	0.30	cutbank	moderate	711
81-RC-003	1	0.12	cutbank	moderate	611
81-M	224	22.40	fill	moderate	555
81-M	291	29.06	streambank	moderate	550
81-IC-022-02	1	0.06	fill	moderate	500
81-FH-005	8	0.79	streambank	moderate	500
81-SB	11	1.07	fill	moderate	500
81-SC-018-04-02	3	0.30	unknown	moderate	500
81-CC-025	14	1.32	fill	moderate	400
81-MD	30	2.85	cutbank	moderate	400
81-AR-043-05-01	7	0.75	fill	moderate	370
81-RC-049	2	0.17	streambank	moderate	370
81-B-005-18	4	0.40	unknown	moderate	355
81-LG-030-04	1	0.14	fill	moderate	324
81-BH-018	2	0.17	fill	moderate	297
81-SC	11	1.05	fill	moderate	296
81-MD-029	1	0.06	cutbank	moderate	296
81-CC-025	18	1.58	cutbank	moderate	250
81-RW-004	14	1.35	cutbank	moderate	230
81-M	323	32.34	fill	moderate	225
81-B	16	1.56	unknown	moderate	222
81-FH-013	11	1.07	fill	moderate	220
81-DC-044	5	0.41	fill	moderate	180
81-B	17	1.61	streambank	moderate	177
81-WG-008	27	2.73	fill	moderate	170
81-SC	32	3.22	unknown	moderate	170
81-RC	42	4.17	unknown	moderate	166
81-M	314	31.45	streambank	moderate	160
81-LG-030-04	2	0.20	fill	moderate	155
81-CC-025	17	1.42	fill	moderate	148
81-LG-016	5	0.47	fill	moderate	140
81-LR-007	7	0.68	fill	moderate	118
81-MD	27	2.72	fill	moderate	111
81-SC-042	8	0.83	fill	moderate	100
81-BC	9	0.90	fill	moderate	70
81-WG-008-05	7	0.75	cutbank	moderate	70
81-MD-007	5	0.46	fill	moderate	59
81-SC-009-02	3	0.26	fill	moderate	50
81-SC-018-04	16	1.55	streambank	moderate	50
81-SC-027	6	0.57	fill	moderate	50
81-MD	28	2.76	fill	moderate	45
81-M-294	18	1.84	fill	moderate	33
81-DC	40	3.88	cutbank	moderate	33
81-LG-016	8	0.79	unknown	moderate	0
81-RC-013-01	2	0.16	unknown	low	2666
81-M	221	22.14	cutbank	low	1100
81-IC-022-02	3	0.13	cutbank	low	1000
81-M	198	19.83	fill	low	900
81-DC	39	3.82	cutbank	low	888
81-SC-009	3	0.30	fill	low	740
81-M	204	20.40	fill	low	630

Navarro East Roadslides

81-M	322	32.21	cutbank	low	600
81-JS-026-01	5	0.46	cutbank	low	516
81-RC-056	9	0.88	fill	low	450
81-B-005-18	1	0.05	unknown	low	444
81-AR-003	6	0.58	fill	low	400
81-RC	56	5.59	unknown	low	400
81-WG-008	20	1.97	cutbank	low	400
81-M	292	29.10	cutbank	low	400
81-M-294	19	1.92	cutbank	low	400
81-RW-004-12	6	0.58	cutbank	low	400
81-RC-013-03	3	0.27	cutbank	low	370
81-RC-013	9	0.86	streambank	low	355
81-FH-003-12	3	0.25	fill	low	350
81-M-294-07	1	0.12	cutbank	low	350
81-CC-019-06	9	0.93	cutbank	low	322
81-IC-022	3	0.29	cutbank	low	300
81-LG-016	25	2.54	fill	low	266
81-CC-025	15	1.35	cutbank	low	259
81-CC-025-05	1	0.08	cutbank	low	248
81-RC-059-04	1	0.14	fill	low	233
81-SC-018-04	2	0.16	streambank	low	233
81-MD-007-06	3	0.26	fill	low	225
81-LG-030-05	9	0.91	fill	low	222
81-M-250	4	0.40	cutbank	low	220
81-AR-043	23	2.32	fill	low	210
81-LG-030-05	3	0.28	fill	low	203
81-WG-008	5	0.54	fill	low	200
81-SB-032	3	0.29	fill	low	189
81-IC	12	1.23	fill	low	177
81-JS-012	4	0.43	fill	low	177
81-AR-001	19	1.93	cutbank	low	166
81-RW-004	20	1.91	fill	low	151
81-IC-022	5	0.47	fill	low	150
81-B	22	2.17	cutbank	low	150
81-WG-008	9	0.90	fill	low	150
81-RW-004	12	1.21	fill	low	150
81-SC-018	19	1.90	cutbank	low	150
81-BC	18	1.81	fill	low	148
81-AR-042	28	2.77	cutbank	low	140
81-DC	37	3.71	fill	low	137
81-DC-044	4	0.38	fill	low	125
81-AR-001	1	0.11	streambank	low	120
81-BR-008	8	0.75	fill	low	120
81-M	321	32.01	streambank	low	120
81-B-005-02	1	0.10	unknown	low	118
81-BC-011	9	0.86	unknown	low	111
81-M-250	5	0.44	cutbank	low	111
81-AR-042	30	3.02	cutbank	low	110
81-AR-042	16	1.56	cutbank	low	100
81-AR-042	23	2.23	fill	low	100
81-IC-022	7	0.73	fill	low	100
81-LR-007	8	0.72	cutbank	low	100
81-M	285	28.48	cutbank	low	100
81-SC-042	3	0.25	fill	low	100
81-SC-044	5	0.50	unknown	low	100
81-B-005-02	3	0.20	fill	low	93
81-SC-009	9	0.86	fill	low	93
81-RC-057	4	0.38	cutbank	low	90
81-SB	32	3.17	fill	low	90
81-SC-009	10	0.94	fill	low	90
81-RC-015	15	1.49	fill	low	88
81-CC-019-06	4	0.37	cutbank	low	87
81-LG-030-05-02	1	0.12	cutbank	low	85
81-DC-009	1	0.12	fill	low	85
81-LG-030-05	15	1.50	fill	low	82
81-SC-027	3	0.34	fill	low	80
81-WG-033	15	1.38	fill	low	75
81-LG-006	6	0.57	fill	low	75
81-RC-059	2	0.21	unknown	low	71
81-LG-030-05-02	2	0.19	cutbank	low	71
81-B-005	22	2.21	fill	low	67
81-LG-008-08	2	0.19	cutbank	low	67
81-WG-009	16	1.62	unknown	low	65
81-M-246-09	5	0.51	unknown	low	62
81-AR-042	13	1.29	fill	low	60
81-AR-042	25	2.49	cutbank	low	60
81-M-294-05	4	0.37	cutbank	low	59
81-FH-012	1	0.14	fill	low	59
81-BH	24	2.40	fill	low	57
81-M-194	4	0.36	cutbank	low	55
81-RC	31	3.05	fill	low	51
81-SB-022	7	0.69	fill	low	50
81-WE	20	2.05	unknown	low	50
81-WG-008	10	0.95	fill	low	50

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81-WG-008	14	1.43	fill	low	50
81-WG-033	16	1.47	fill	low	50
81-M	293	29.34	streambank	low	50
81-SC-009-02	5	0.53	fill	low	50
81-SC-018	20	1.98	cutbank	low	50
81-SC-042	9	0.86	cutbank	low	50
81-B	10	0.98	fill	low	48
81-M	320	32.00	cutbank	low	45
81-RC	38	3.82	fill	low	44
81-DC	41	4.05	cutbank	low	42
81-RC	39	3.88	fill	low	41
81-M	294	29.36	streambank	low	40
81-SC-018	16	1.62	fill	low	40
81-JS-026	4	0.41	fill	low	40
81-M-304-02	3	0.26	cutbank	low	37
81-BH-007	6	0.58	fill	low	36
81-FH-012	2	0.19	fill	low	35
81-SC-018-04	8	0.81	cutbank	low	33
81-BC	17	1.72	fill	low	30
81-WG-008-05	2	0.17	unknown	low	30
81-M	327	32.58	fill	low	30
81-BH-018	7	0.66	fill	low	28
81-AR-042	17	1.75	cutbank	low	25
81-IC-003	6	0.57	cutbank	low	25
81-BC-023-05	5	0.50	fill	low	25
81-LR-007-17	3	0.14	cutbank	low	25
81-SC-018-04-02	1	0.14	streambank	low	22
81-IC	29	2.85	fill	low	20
81-M-296	1	0.02	fill	low	18
81-RW-004	4	0.44	fill	low	15
81-SC-018-04	15	1.54	cutbank	low	14
81-FH-012	10	1.03	fill	low	14
81-M-194	11	1.13	fill	low	12
81-IC-003	8	0.76	fill	low	10
81-BR-009	3	0.26	fill	low	10
81-BR-029	7	0.74	cutbank	low	10
81-LR-007	19	1.88	cutbank	low	10
81-LR-007-17	2	0.06	fill	low	10
81-SC-009-02	7	0.71	unknown	low	10
81-DC	34	3.38	fill	low	10
81-DC	6	0.61	cutbank	low	10
81-LR-007	15	1.53	cutbank	low	8
81-RW-004	5	0.54	fill	low	8
81-RC-013	13	1.26	cutbank	low	6
81-BR-009	17	1.67	fill	low	6
81-CC-025	5	0.53	fill	low	6
81-M	334	33.45	fill	low	5
81-LG-050	1	0.03	fill	low	2
81-AR-042	22	2.16	cutbank	low	0
81-AR-042-05	1	0.07	fill	low	0
81-AR-001-06	1	0.10	fill	low	0
81-AR-003	9	0.89	unknown	low	0
81-AR-043-05-01	10	0.96	cutbank	low	0
81-AR-043-05-01	12	1.22	unknown	low	0
81-AR-043-05-01	4	0.41	unknown	low	0
81-AR-043-05-02	1	0.05	unknown	low	0
81-AR-043-29	4	0.40	cutbank	low	0
81-RC-051	2	0.15	unknown	low	0
81-RC-051	3	0.21	unknown	low	0
81-RC-059	3	0.32	unknown	low	0
81-B-005	28	2.76	fill	low	0
81-M	223	22.30	cutbank	low	0
81-M	226	22.63	cutbank	low	0
81-M-202	6	0.65	cutbank	low	0
81-WG-009	13	1.28	cutbank	low	0
81-WG-009-18	1	0.08	fill	low	0
81-FH-003-12	5	0.51	cutbank	low	0
81-FH-013	18	1.80	cutbank	low	0
81-FH-013-14	2	0.22	cutbank	low	0
81-SB	4	0.44	cutbank	low	0
81-SB-022	1	0.07	unknown	low	0
81-SB-022	3	0.30	unknown	low	0
81-SB-022	5	0.47	unknown	low	0
81-SB-022	8	0.74	unknown	low	0
81-SB-039-04	2	0.22	fill	low	0
81-WG	15	1.53	fill	low	0
81-WG-008	15	1.51	unknown	low	0
81-WG-009-18	3	0.26	cutbank	low	0
81-BR-009	15	1.54	fill	low	0
81-LG-016	22	2.18	cutbank	low	0
81-LG-016	26	2.63	cutbank	low	0
81-LG-030-08	1	0.01	fill	low	0
81-LG-038	3	0.27	fill	low	0
81-LR-007	17	1.75	cutbank	low	0

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81-LR-007-17	1	0.03	fill	low	0
81-M	286	28.56	cutbank	low	0
81-MD-005	11	1.13	fill	low	0
81-MD-007	1	0.06	cutbank	low	0
81-RW-017	16	1.63	fill	low	0
81-RW-021	15	1.52	fill	low	0
81-RW-032	2	0.20	fill	low	0
81-RW-032	4	0.35	fill	low	0
81-SC	40	4.02	fill	low	0
81-SC-009-04	2	0.20	fill	low	0
81-SC-018-01	7	0.73	fill	low	0
81-SC-018-01	8	0.85	fill	low	0
81-CU-182-05	10	0.96	cutbank	low	0
81-CU-182-05	9	0.87	fill	low	0
81-JS-023-08-01	1	0.02	cutbank	low	0
81-PM-016	3	0.32	cutbank	low	0
81-CC	20	2.03	cutbank	low	0
81-CC-019	14	1.38	cutbank	low	0
81-CC-019	19	1.90	fill	low	0
81-CC-025	8	0.82	cutbank	low	0
81-DC	11	1.11	fill	low	0
81-DC	25	2.53	cutbank	low	0
81-DC	3	0.29	cutbank	low	0
81-DC	38	3.74	cutbank	low	0
81-FH-005	1	0.14	cutbank	low	0
81-M	326	32.56	cutbank	low	0
81-M-304	4	0.35	cutbank	low	0
81-MD	5	0.47	fill	low	0
81-JC-032	2	0.17	streambank	none	15000
81-LG-044	12	1.22	streambank	none	51
81-LG-016	7	0.66	fill	none	50
81-B-005-21	1	0.09	unknown	undetermined	0
81-BC-020	10	0.99	undetermined	undetermined	0

Navarro East Other Erosion Sites

Road Number	Site #	Mile Post	Erosion Type	Treatment Immediacy	Controllable Volume (yd^3)
81-AR-043-05-01	5	0.53	gully	high	445
81-M-278	5	0.52	gully	high	237
81-M-250	3	0.31	gully	high	133
81-B-005	1	0.08	gully	high	120
81-B-005-02	2	0.16	gully	high	118
81-M-310	1	0.09	gully	high	118
81-M-250	4	0.37	gully	high	55
81-CC	11	1.09	gully	high	55
81-M-278	4	0.39	major rilling	high	41
81-CC-019	2	0.25	major rilling	high	8
81-AR-043-05-01	12	1.20	gully	moderate	556
81-M-304	10	0.96	gully	moderate	311
81-M-260	3	0.32	gully	moderate	45
81-JS-026	13	1.27	gully	moderate	40
81-B	8	0.77	gully	moderate	23
81-B-005	2	0.14	gully	moderate	18
81-MD-005	24	2.36	gully	moderate	11
81-MD-007	2	0.23	gully	moderate	10
81-LG-038	2	0.24	major rilling	moderate	5
81-LG-038	4	0.36	gully	moderate	5
81-RW-017	16	1.61	gully	moderate	5
81-FH-003-12	3	0.33	gully	low	240
81-SC-018-04	4	0.43	major rilling	low	133
81-DC	30	3.04	gully	low	80
81-SC-018-04	1	0.10	major rilling	low	70
81-AR-043-05-01	4	0.39	gully	low	60
81-FH-005-06	5	0.50	gully	low	60
81-AR-043-05-01	2	0.22	major rilling	low	50
81-MD-007-06	1	0.03	gully	low	30
81-AR-042	23	2.27	gully	low	20
81-JS-028	2	0.25	gully	low	18
81-MD	23	2.32	gully	low	15
81-DC	38	3.80	gully	low	14
81-M-289	1	0.04	major rilling	low	12
81-DC-018	3	0.28	major rilling	low	12
81-SB	22	2.17	gully	low	10
81-MD-029-22	4	0.45	major rilling	low	10
81-SC-009	1	0.03	gully	low	10
81-SC-026-02	19	1.94	major rilling	low	10
81-CC	8	0.83	major rilling	low	10
81-CC-024	15	1.51	gully	low	10
81-JS-023	8	0.75	gully	low	9
81-BC-023	5	0.50	gully	low	8
81-RW-004	12	1.24	gully	low	8
81-B	10	1.02	gully	low	6
81-CC-024	13	1.28	gully	low	6
81-AR-042	6	0.56	gully	low	5
81-RW-004	7	0.66	major rilling	low	5
81-LR-021-04	1	0.02	major rilling	low	5
81-AR-042	10	1.04	major rilling	low	4
81-SC-018	4	0.37	major rilling	low	4
81-DC-044	3	0.22	gully	low	4
81-IC-004	1	0.04	gully	low	0
81-LR-013	2	0.16	major rilling	low	0
81-LR-015	3	0.31	gully	low	0
81-RW	15	1.51	major rilling	low	0
81-CC-012	4	0.38	major rilling	low	0
81-CC-019-05	1	0.03	major rilling	low	0
81-DC-044	2	0.15	gully	low	0
81-M	327	32.74	undetermined	low	0

Culvert Sizing Analysis for Navarro East Watercourse Culverts

Mean Annual Precipitation (in.)									
40									
Road Number	Site #	Culvert Diameter (in)	Area (ac)	50 year flood (cfs)	100 year flood (cfs)	50 yr Culvert Size (in)	100 yr Culvert Size (in)	50 yr pass	100 yr pass
81-RW-004	c1	18	15.9	12	13	24	24	NO	NO
81-IC	c8	36	34.2	23	25	30	30	NO	NO
81-BC-001	c4	18	35.0	24	25	30	30	NO	NO
81-JS	c7	24	52.3	33	36	30	36	NO	NO
81-MD	c5	24	53.0	34	36	30	36	NO	NO
81-M	c6	36	56.8	36	39	36	36	NO	NO
81-M	c6	24	65.7	41	44	36	36	NO	NO
81-JS-023	c9	28	136.0	77	83	42	48	NO	NO
81-SC	c2	24	139.3	78	85	42	48	NO	NO
81-IC	c8	48	159.0	88	95	48	48	NO	NO
81-M	c6	24	237.1	125	134	54	54	NO	NO
81-AR-017	c5	24	57.2	36	39	36	36	NO	NO
81-BC-023-05	c13	14	65.8	41	44	36	36	NO	NO
81-JS	c7	36	71.7	44	47	36	36	NO	NO
81-RC-044	c4	18	24.5	17	19	24	30	NO	NO
81-RW-004	c1	18	83.6	50	54	36	42	NO	NO
81-BC-023	c17	18	12.9	10	11	24	24	NO	NO
81-SB	c7	24	13.1	10	11	24	24	NO	NO
81-WE	c6	18	17.4	13	14	24	24	NO	NO
81-DC	c2	30	27.8	19	21	30	30	NO	NO
81-RW-021	c8	18	28.8	20	21	30	30	NO	NO
81-SB	c7	36	29.3	20	22	30	30	NO	NO
81-BC-001	c4	18	29.6	20	22	30	30	NO	NO
81-BC-001	c4	24	30.3	21	22	30	30	NO	NO
81-M-260	c1	24	83.9	50	54	36	42	NO	NO
81-RC	c14	18	85.2	51	55	42	42	NO	NO
81-WG-008-05	c31	36	93.0	55	59	42	42	NO	NO
81-BC	c2	24	100.1	59	63	42	42	NO	NO
81-M	c6	48	159.8	88	95	48	48	NO	NO
81-CC-025	c6	38	171.1	94	101	48	48	NO	NO
81-M	c6	36	350.4	175	189	60	60	NO	NO
81-M	c6	36	366.4	182	196	60	60	NO	NO
81-M	c6	192	424.6	207	223	60	72	NO	NO
81-SC	c2	30	474.7	228	246	72	72	NO	NO
81-M	c6	48	1412.4	589	634	72	72	NO	NO
81-RW-021	c8	18	12.2	9	10	24	24	NO	NO
81-DC	c2	30	46.3	30	32	30	30	NO	NO
81-M	c6	24	47.7	31	33	30	30	NO	NO
81-RC-044-09	c9	36	47.9	31	33	30	30	NO	NO
81-RC-013	c2	18	72.4	44	48	36	36	NO	NO
81-SC-037	c1	28	114.4	66	71	42	42	NO	NO
81-M-250	c4	36	121.6	70	75	42	42	NO	NO
81-CC-025	c6	24	140.2	79	85	42	48	NO	NO
81-M	c6	36	154.8	86	93	48	48	NO	NO
81-RC-058	c9	24	159.1	88	95	48	48	NO	NO
81-JS-023-05	c6	28	325.7	164	177	60	60	NO	NO
81-RC-008-03	c3	24	12.5	10	10	24	24	NO	NO
81-SC-009	c9	18	46.4	30	32	30	30	NO	NO
81-RC	c14	24	68.4	42	46	36	36	NO	NO
81-AR-003	c5	48	117.9	68	73	42	42	NO	NO
81-M	c6	24	31.8	22	23	30	30	NO	NO
81-WG-033-04	c9	24	37.7	25	27	30	30	NO	NO
81-IC-022	c3	36	41.6	27	30	30	30	NO	NO
81-WE	c6	36	115.5	67	72	42	42	NO	NO
81-M	c6	36	132.2	75	81	42	48	NO	NO
81-LG-016-06	c9	40	152.9	85	92	48	48	NO	NO
81-M	c6	36	235.7	124	134	54	54	NO	NO
81-M-294	c7	30	40.7	27	29	30	30	NO	NO
81-M	c6	24	53.0	34	36	30	36	NO	NO
81-IC	c8	36	71.5	44	47	36	36	NO	NO
81-AR-017	c2	24	27.4	19	21	30	30	NO	NO
81-LG-030-06	c8	24	44.6	29	31	30	30	NO	NO
81-CC	c5	30	113.8	66	71	42	42	NO	NO
81-M	c6	36	16.1	12	13	24	24	NO	NO
81-SB	c7	18	17.4	13	14	24	24	NO	NO
81-B-005	c6	24	39.4	26	28	30	30	NO	NO
81-IC	c8	18	11.4	9	10	24	24	NO	NO
81-M	c6	24	108.8	63	68	42	42	NO	NO
81-WE	c6	36	114.9	66	71	42	42	NO	NO
81-M	c6	48	135.3	77	82	42	48	NO	NO
81-JS-026	c5	36	232.8	123	132	54	54	NO	NO
81-CC-019	c9	18	11.1	9	9	24	24	NO	NO

Navarro East Culvert Sizing

Road Number	Site #	Culvert Diameter (in)	Area (ac)	50 year flood (cfs)	100 year flood (cfs)	50 yr Culvert Size (in)	100 yr Culvert Size (in)	50 yr pass	100 yr pass
81-RC-044-09	c9	18	12.8	10	11	24	24	NO	NO
81-RC	c14	18	23.0	16	18	24	24	NO	NO
81-DC	c2	30	36.0	24	26	30	30	NO	NO
81-RC-044	c4	24	67.0	42	45	36	36	NO	NO
81-SB	c7	18	17.3	13	14	24	24	NO	NO
81-M	c6	30	3.4	3	3	18	18	NO	NO
81-CC-025	c6	24	18.1	13	14	24	24	NO	NO
81-IC-014	c9	36	52.1	33	36	30	36	NO	NO
81-JS-026	c5	36	61.7	39	42	36	36	NO	NO
81-DH	c9	18	76.5	47	50	36	36	NO	NO
81-BC-001	c15	24	11.3	9	10	24	24	NO	NO
81-SB-022	c1	24	16.7	12	13	24	24	NO	NO
81-AR-019	c4	24	27.0	19	20	30	30	NO	NO
81-BC-001	c2	18	34.5	23	25	30	30	NO	NO
81-M	c6	12	10.3	8	9	18	24	NO	NO
81-M	c6	18	17.4	13	14	24	24	NO	NO
81-SB	c7	18	19.7	14	15	24	24	NO	NO
81-SB-022	c1	24	43.5	28	31	30	30	NO	NO
81-BC-001-07	c1	18	76.9	47	50	36	36	NO	NO
81-RC	c14	18	10.9	9	9	24	24	NO	NO
81-WE	c6	36	38.4	26	28	30	30	NO	NO
81-RW-017	c7	24	13.2	10	11	24	24	NO	NO
81-SB	c7	24	17.1	13	14	24	24	NO	NO
81-WG-008-05	c31	18	19.3	14	15	24	24	NO	NO
81-RC-058	c9	18	30.1	21	22	30	30	NO	NO
81-WG	c9	18	30.1	21	22	30	30	NO	NO
81-RC-029	c1	36	72.7	45	48	36	36	NO	NO
81-BC-004	c3	24	106.2	62	67	42	42	NO	NO
81-M-278-06	c5	18	122.7	70	76	42	42	NO	NO
81-WG-008-05	c31	3	187.7	102	110	48	48	NO	NO
81-SB	c7	24	12.7	10	11	24	24	NO	NO
81-WG-033-04	c9	24	16.4	12	13	24	24	NO	NO
81-SC	c2	20	20.2	15	16	24	24	NO	NO
81-MD	c5	24	55.9	35	38	36	36	NO	NO
81-WG-009	c2	24	2.3	2	2	18	18	NO	NO
81-WG-008-05	c31	6	16.9	12	13	24	24	NO	NO
81-SB-039	c4	24	26.8	19	20	30	30	NO	NO
81-IC-003	c9	18	3.4	3	3	18	18	NO	NO
81-IC-022	c3	24	4.7	4	4	18	18	NO	NO
81-BH	c12	24	11.4	9	10	24	24	NO	NO
81-AR-012	c1	18	18.0	13	14	24	24	NO	NO
81-WG-008-05-02	c6	18	41.4	27	29	30	30	NO	NO
81-SC	c2	24	55.4	35	38	36	36	NO	NO
81-B-005	c2	24	60.6	38	41	36	36	NO	NO
81-BR-009	c11	18	17.8	13	14	24	24	NO	NO
81-M-289	c4	18	21.2	15	16	24	24	NO	NO
81-BR-009	c18	18	27.7	19	21	30	30	NO	NO
81-M-284	c1	18	13.7	10	11	24	24	NO	NO
81-BC	c8	24	16.5	12	13	24	24	NO	NO
81-RW-004-12	c8	24	18.3	13	14	24	24	NO	NO
81-BC-001	c20	18	18.3	13	14	24	24	NO	NO
81-SC-026-02	c7	24	5.3	5	5	18	18	NO	NO
81-M	c6	18	13.6	10	11	24	24	NO	NO
81-M	c6	36	49.8	32	35	30	36	NO	NO
81-M-246	c1	36	60.0	38	41	36	36	NO	NO
81-IC	c8	36	74.4	45	49	36	36	NO	NO
81-RC	c14	18	20.3	15	16	24	24	NO	NO
81-RW-004-12	c8	18	2.2	2	2	18	18	NO	NO
81-RC-044-09	c9	18	4.8	4	5	18	18	NO	NO
81-RC	c14	24	21.3	15	17	24	24	NO	NO
81-RW-004	c1	24	2.0	2	2	18	18	NO	NO
81-AR-043	c14	18	2.7	3	3	18	18	NO	NO
81-SC-039	c5	18	3.4	3	3	18	18	NO	NO
81-BC	c2	18	3.8	3	4	18	18	NO	NO
81-RC-043-06-01	c4	18	3.8	3	4	18	18	NO	NO
81-LG-016	c1	14	4.5	4	4	18	18	NO	NO
81-RW-017	c7	18	5.2	4	5	18	18	NO	NO
81-JS-023	c9	18	6.1	5	6	18	18	NO	NO
81-MD	c5	36	6.1	5	6	18	18	NO	NO
81-M	c6	18	7.3	6	6	18	18	NO	NO
81-IC-003	c9	18	8.2	7	7	18	18	NO	NO
81-RC-043-06-01	c4	36	23.3	17	18	24	24	NO	NO
81-LG-016	c1	24	11.7	9	10	24	24	NO	NO
81-WE	c6	12	13.2	10	11	24	24	NO	NO
81-CC-025	c12	24	14.7	11	12	24	24	NO	NO
81-WG-033-04	c9	36	40.4	27	29	30	30	NO	NO

Navarro East Culvert Sizing

Road Number	Site #	Culvert Diameter (in)	Area (ac)	50 year flood (cfs)	100 year flood (cfs)	50 yr Culvert Size (in)	100 yr Culvert Size (in)	50 yr pass	100 yr pass
81-M	c6	30	64.0	40	43	36	36	NO	NO
81-WG-033	c1	36	2.9	3	3	18	18	NO	NO
81-AR-043	c3	18	3.4	3	3	18	18	NO	NO
81-SC-018	c3	24	10.6	8	9	18	24	YES	NO
81-WE	c6	18	10.4	8	9	18	24	YES	NO
81-SC-009	c9	18	24.5	17	19	24	30	YES	NO
81-IC-003	c9	18	10.1	8	9	18	24	YES	NO
81-RC	c14	18	10.6	8	9	18	24	YES	NO
81-RW-004-12	c8	18	10.6	8	9	18	24	YES	NO
81-M-246	c1	18	10.8	8	9	18	24	YES	NO
81-LG-044-09	c4	18	10.8	8	9	18	24	YES	NO
81-RC-044	c4	18	10.4	8	9	18	24	YES	NO

Navarro West Culverts

Road Number	Site #	Mile Post	Culvert Type	Treatment Immediacy	Controllable Volume (yd^3)	Diversion Potential
82-SM-025	15	1.49	watercourse	high	2000	no div. potential
82-BR	39	3.90	watercourse	high	1750	yes, road
82-BG-011	4	0.42	ditch relief	high	1000	no div. potential
82-SR-079-03	1	0.00	watercourse	high	1000	no div. potential
82-SC-049	16	1.55	watercourse	high	925	no div. potential
81-M	344	34.38	watercourse	high	853	no div. potential
82-PG-049-04	2	0.17	watercourse	high	800	already diverted
82-CC-006	1	0.00	watercourse	high	740	yes, road
82-BR	32	3.17	watercourse	high	600	no div. potential
82-NR-106	11	1.11	watercourse	high	500	no div. potential
82-BR-032	5	0.47	watercourse	high	445	already diverted
82-BR-021	15	1.53	watercourse	high	400	no div. potential
82-GP-172	1	0.06	watercourse	high	320	no div. potential
81-M	344	34.38	watercourse	high	250	no div. potential
82-BR	35	3.51	watercourse	high	250	yes, road
82-CC	3	0.26	watercourse	high	230	yes, road
82-DH-005	2	0.02	watercourse	high	220	yes, ditch
82-NR-106	10	0.93	watercourse	high	220	yes, road
82-BG-011	5	0.47	ditch relief	high	200	no div. potential
82-CC-006	4	0.41	watercourse	high	185	yes, road
82-SC	45	4.48	ditch relief	high	185	yes, road
82-BG-013	10	1.05	watercourse	high	173	no div. potential
82-SC	44	4.44	watercourse	high	123	no div. potential
82-SC	46	4.49	ditch relief	high	123	no div. potential
82-SC-048	7	0.35	watercourse	high	120	no div. potential
82-HR	10	0.76	watercourse	high	100	yes, ditch
82-SC-048	2	0.06	watercourse	high	74	no div. potential
82-SM	43	4.21	watercourse	high	60	no div. potential
82-HR	23	1.66	watercourse	high	60	already diverted
82-HR	5	0.36	watercourse	high	30	yes, ditch
82-SC-048	8	0.45	watercourse	high	29	no div. potential
82-HR	20	1.57	watercourse	high	20	yes, ditch
82-CC-006	2	0.14	watercourse	high	15	yes, road
82-HR	19	1.53	watercourse	high	13	yes, ditch
82-HR	22	1.63	ditch relief	high	6	yes, ditch
82-HR	16	1.36	watercourse	high	5	yes, ditch
82-MS-020	15	1.08	watercourse	moderate	2765	no div. potential
82-SC-049	12	1.17	watercourse	moderate	1100	no div. potential
82-MP	14	1.42	watercourse	moderate	830	no div. potential
82-RC-031	8	0.79	watercourse	moderate	700	no div. potential
82-SM	16	1.47	watercourse	moderate	630	no div. potential
82-BR-032	11	1.12	watercourse	moderate	520	no div. potential
82-BR	20	2.05	watercourse	moderate	500	no div. potential
82-SM	22	2.18	watercourse	moderate	490	no div. potential
82-RC-031	6	0.63	watercourse	moderate	455	no div. potential
82-NF	22	2.15	ditch relief	moderate	450	already diverted
82-MS	14	1.44	watercourse	moderate	444	no div. potential
82-BR-021	31	3.08	watercourse	moderate	410	no div. potential
82-BR-021	13	1.29	watercourse	moderate	400	no div. potential
82-SM-025	5	0.46	watercourse	moderate	400	already diverted
82-SC-049	9	0.79	watercourse	moderate	350	no div. potential
81-M	341	34.12	watercourse	moderate	340	no div. potential
82-BR-021-28	2	0.18	watercourse	moderate	310	already diverted
82-SC-049	8	0.67	watercourse	moderate	310	no div. potential
82-BG-013	11	1.08	ditch relief	moderate	300	yes, road
82-SM	5	0.51	watercourse	moderate	300	no div. potential
82-SC-049	18	1.74	watercourse	moderate	296	no div. potential
82-BP-034	9	0.88	watercourse	moderate	250	yes, road
82-BR	30	3.04	watercourse	moderate	250	yes, road
82-SM-025	6	0.52	watercourse	moderate	250	no div. potential
82-MS-003-08	7	0.59	watercourse	moderate	240	no div. potential
82-RC-031	5	0.52	watercourse	moderate	240	yes, road
82-SM-052-05	6	0.57	watercourse	moderate	240	no div. potential
82-MS-020	16	1.13	watercourse	moderate	222	no div. potential
82-BR-021	1	0.12	watercourse	moderate	220	yes, road
82-SC-049	17	1.63	watercourse	moderate	220	no div. potential
82-BR-021	27	2.71	watercourse	moderate	215	no div. potential
82-RC-031	3	0.34	watercourse	moderate	200	no div. potential
82-SR-041	4	0.37	watercourse	moderate	200	no div. potential
82-SM	6	0.55	watercourse	moderate	200	yes, road
82-SC-049	15	1.47	watercourse	moderate	198	no div. potential
82-NR-106	8	0.70	watercourse	moderate	180	no div. potential
82-BP-024	7	0.74	watercourse	moderate	178	no div. potential
82-SC	9	0.89	watercourse	moderate	175	no div. potential
82-SR-041	3	0.32	watercourse	moderate	150	no div. potential
82-BP-024	9	0.88	watercourse	moderate	148	no div. potential
82-RG-002	13	1.31	watercourse	moderate	140	yes, road
82-BG-011	2	0.14	ditch relief	moderate	138	no div. potential
82-MS-020	8	0.52	ditch relief	moderate	123	no div. potential
82-SC-048	9	0.52	watercourse	moderate	123	no div. potential
82-BR-021	4	0.31	watercourse	moderate	120	yes, road
82-MS-020	20	1.53	watercourse	moderate	120	no div. potential
82-HR	9	0.72	watercourse	moderate	100	yes, road
82-SC	47	4.57	ditch relief	moderate	99	no div. potential

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82-NF	2	0.15	watercourse	moderate	90	yes, road
82-NR-106	9	0.71	watercourse	moderate	90	no div. potential
82-RG-009-08	1	0.10	ditch relief	moderate	89	no div. potential
82-MS-025	8	0.78	watercourse	moderate	88	no div. potential
82-BC	4	0.44	watercourse	moderate	75	already diverted
82-HR	2	0.06	watercourse	moderate	75	yes, ditch
82-BR-021	30	2.97	watercourse	moderate	72	no div. potential
82-SM	41	4.13	watercourse	moderate	72	no div. potential
82-DH-005	7	0.65	watercourse	moderate	70	yes, road
82-NF	6	0.63	watercourse	moderate	70	yes, road
82-SC	48	4.58	watercourse	moderate	65	no div. potential
82-BR-032	6	0.59	watercourse	moderate	60	no div. potential
82-HR	24	1.77	watercourse	moderate	60	yes, ditch
82-SC-048	4	0.16	ditch relief	moderate	46	no div. potential
82-BG	8	0.84	ditch relief	moderate	44	no div. potential
82-BR	31	3.06	watercourse	moderate	40	yes, road
82-CC	11	1.07	watercourse	moderate	40	yes, road
82-NF	1	0.05	watercourse	moderate	40	already diverted
82-SR-006	3	0.09	ditch relief	moderate	35	yes, road
82-HW-008	5	0.53	watercourse	moderate	35	already diverted
82-RG-002	15	1.46	ditch relief	moderate	30	no div. potential
82-SR-006	1	0.01	ditch relief	moderate	20	yes, ditch
82-MS-020-05	2	0.15	ditch relief	moderate	15	yes, road
82-BR-021	22	2.23	watercourse	moderate	10	yes, road
82-CC-002	8	0.76	watercourse	moderate	10	no div. potential
82-HR	4	0.30	watercourse	moderate	10	yes, ditch
82-HW-012	1	0.13	watercourse	moderate	10	yes, road
82-HR	18	1.46	watercourse	moderate	6	yes, ditch
82-HR	25	1.81	watercourse	moderate	2	yes, ditch
82-HR	12	0.93	ditch relief	moderate	1	yes, road
82-HR	15	1.27	ditch relief	moderate	1	yes, road
82-PG-041	1	0.12	watercourse	moderate	0	no div. potential
82-PG-041	3	0.27	watercourse	moderate	0	no div. potential
82-HR	3	0.28	ditch relief	moderate	0	yes, ditch
84-CO	1	0.01	ditch relief	low	999999	undetermined
81-BC-020	16	1.60	watercourse	low	1500	no div. potential
81-BC-020	17	1.75	watercourse	low	1500	no div. potential
82-BR	24	2.37	watercourse	low	1500	yes, road
82-MS-020	13	0.82	watercourse	low	1203	no div. potential
82-LB-017	18	1.78	watercourse	low	1185	no div. potential
82-MS-020	6	0.39	watercourse	low	1111	yes, road
82-EN	58	5.53	ditch relief	low	1000	yes, road
82-EN	50	4.55	watercourse	low	880	no div. potential
81-M	344	34.38	watercourse	low	853	no div. potential
82-BG-011	7	0.75	watercourse	low	830	no div. potential
82-EN	4	0.35	watercourse	low	800	no div. potential
82-FG	16	1.60	watercourse	low	740	no div. potential
82-MS-020	7	0.46	watercourse	low	740	no div. potential
82-EN	12	1.15	watercourse	low	710	no div. potential
82-EN	1	0.08	watercourse	low	690	no div. potential
82-EN	44	3.98	watercourse	low	690	no div. potential
82-PG	10	0.97	watercourse	low	625	no div. potential
82-LB-017	11	1.12	watercourse	low	592	no div. potential
82-LB-017	19	1.84	watercourse	low	592	no div. potential
82-EN	20	1.87	watercourse	low	590	no div. potential
82-MS-020-05	3	0.18	watercourse	low	580	yes, road
82-BR	25	2.40	watercourse	low	560	yes, road
82-EN	5	0.39	watercourse	low	555	yes, ditch
82-BG-013	2	0.16	watercourse	low	514	no div. potential
82-EN	51	4.58	watercourse	low	500	no div. potential
82-RG-002	7	0.68	watercourse	low	500	no div. potential
82-MS-020	12	0.67	watercourse	low	482	no div. potential
82-BP	30	2.96	watercourse	low	444	no div. potential
82-BP-034	7	0.72	watercourse	low	444	no div. potential
82-LB-017	21	1.96	watercourse	low	444	no div. potential
82-EN	16	1.42	watercourse	low	440	no div. potential
82-EN-035	4	0.43	watercourse	low	440	no div. potential
82-HT-004-09	1	0.08	watercourse	low	420	no div. potential
82-NR-099	1	0.10	watercourse	low	420	yes, ditch
82-EN-026	3	0.26	watercourse	low	415	no div. potential
82-EN-026	5	0.46	watercourse	low	400	no div. potential
82-MS-025-06	3	0.31	watercourse	low	395	no div. potential
82-EN-038	1	0.10	watercourse	low	390	no div. potential
82-SM	25	2.48	watercourse	low	380	no div. potential
82-BG	2	0.09	watercourse	low	370	yes, road
82-HT-004-09	2	0.18	watercourse	low	370	no div. potential
82-MS-025	4	0.29	watercourse	low	370	no div. potential
82-NR-048	2	0.24	watercourse	low	370	no div. potential
82-EN-035	7	0.72	watercourse	low	360	no div. potential
82-LB-017	20	1.89	watercourse	low	356	no div. potential
82-MS-020	3	0.21	watercourse	low	355	no div. potential
82-SC	7	0.70	watercourse	low	346	no div. potential
81-M	341	34.12	watercourse	low	340	no div. potential
81-DH	30	2.99	watercourse	low	333	no div. potential
82-EN	3	0.30	watercourse	low	330	no div. potential
82-RC-022	3	0.30	watercourse	low	330	no div. potential

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82-RC-022-04-01	1	0.03	watercourse	low	310	yes, road
82-MS-026	1	0.03	watercourse	low	308	no div. potential
82-BG	7	0.69	watercourse	low	307	no div. potential
82-EN	52	4.70	watercourse	low	300	no div. potential
82-EN	61	6.09	watercourse	low	300	no div. potential
82-MG	4	0.33	watercourse	low	300	no div. potential
82-SC-049	7	0.57	watercourse	low	300	no div. potential
82-MS-003	5	0.51	watercourse	low	296	no div. potential
82-PG	21	2.04	watercourse	low	290	yes, road
82-RG-024	3	0.35	ditch relief	low	289	no div. potential
82-NR-106	7	0.61	watercourse	low	280	yes, road
82-EN-016	4	0.35	watercourse	low	275	no div. potential
82-RC	14	1.41	watercourse	low	275	no div. potential
82-EN-009	6	0.57	watercourse	low	270	no div. potential
81-M	344	34.38	watercourse	low	250	no div. potential
82-BC	22	2.17	watercourse	low	250	no div. potential
82-SM	32	3.17	watercourse	low	250	no div. potential
81-M	343	34.30	watercourse	low	242	yes, ditch
82-T4	11	1.05	watercourse	low	240	no div. potential
82-CA-013	1	0.08	watercourse	low	230	no div. potential
82-LB-017	22	2.01	watercourse	low	230	no div. potential
82-BG-013	7	0.55	watercourse	low	222	no div. potential
82-RG	6	0.50	watercourse	low	222	no div. potential
82-EN	21	1.91	watercourse	low	220	no div. potential
82-EN-035	3	0.27	ditch relief	low	220	no div. potential
82-NR-106	14	1.41	watercourse	low	220	no div. potential
82-RC	36	3.41	watercourse	low	220	no div. potential
82-RG	7	0.60	watercourse	low	216	no div. potential
82-EN	53	4.84	watercourse	low	215	no div. potential
82-BC	18	1.80	watercourse	low	210	yes, road
82-BG-013	8	0.83	watercourse	low	210	no div. potential
82-EN	48	4.34	ditch relief	low	210	no div. potential
82-EN-009	5	0.36	watercourse	low	210	no div. potential
82-SR-041	2	0.22	watercourse	low	210	no div. potential
82-MS-003-08	6	0.44	watercourse	low	205	no div. potential
82-EN-009	2	0.11	watercourse	low	200	no div. potential
82-RG	10	0.81	ditch relief	low	200	yes, road
82-SM	7	0.61	watercourse	low	200	yes, ditch
82-SC-049	10	0.93	watercourse	low	198	yes, road
82-MS-020-15	2	0.13	watercourse	low	197	no div. potential
82-SM-052-05	3	0.31	watercourse	low	195	no div. potential
82-RC	11	1.06	watercourse	low	190	no div. potential
82-BP	32	3.19	watercourse	low	185	yes, ditch
82-SM-052	11	1.10	watercourse	low	185	no div. potential
82-DH-005	8	0.77	watercourse	low	180	no div. potential
82-MS-025	3	0.26	watercourse	low	180	yes, road
82-NF-019	4	0.35	watercourse	low	180	no div. potential
82-NR-106	3	0.31	watercourse	low	180	yes, road
82-NR-106	12	1.16	watercourse	low	180	yes, road
82-PG	31	3.14	watercourse	low	180	no div. potential
82-T4	10	0.96	watercourse	low	180	no div. potential
82-EN	17	1.43	watercourse	low	170	yes, ditch
82-CA-013	2	0.18	watercourse	low	160	yes, road
82-NF-019	1	0.13	watercourse	low	160	yes, road
82-PG	20	1.94	watercourse	low	160	no div. potential
82-SM-025	20	1.96	watercourse	low	160	no div. potential
82-BG-011	6	0.47	ditch relief	low	150	no div. potential
82-EN	15	1.32	watercourse	low	150	yes, ditch
82-NR-106	15	1.47	watercourse	low	150	yes, road
82-PG	25	2.35	watercourse	low	150	yes, road
82-RC	12	1.19	watercourse	low	150	yes, road
82-T4	8	0.82	watercourse	low	150	no div. potential
82-T4	9	0.88	watercourse	low	150	no div. potential
82-BG-013	6	0.43	watercourse	low	148	no div. potential
82-LB-018	6	0.64	watercourse	low	148	no div. potential
82-MS-003-08	5	0.36	watercourse	low	148	no div. potential
82-MS-020	10	0.59	watercourse	low	148	no div. potential
82-RG-009-11	1	0.00	ditch relief	low	148	no div. potential
82-RG-015	3	0.26	ditch relief	low	148	no div. potential
82-EN	42	3.88	watercourse	low	145	yes, ditch
82-BG-011	1	0.05	ditch relief	low	140	yes, road
82-MS-003-08	4	0.34	watercourse	low	140	no div. potential
82-T4-017	5	0.44	watercourse	low	140	no div. potential
82-FG-004	4	0.35	watercourse	low	133	no div. potential
82-SR	12	1.25	watercourse	low	133	yes, ditch
82-BC	11	1.13	watercourse	low	130	yes, road
82-GP-075	1	0.09	watercourse	low	130	already diverted
82-SM	12	1.09	watercourse	low	130	no div. potential
82-RC	9	0.82	watercourse	low	125	yes, road
82-SR-041	11	1.06	watercourse	low	125	no div. potential
82-RG	4	0.30	ditch relief	low	123	yes, road
82-BC	16	1.60	watercourse	low	120	no div. potential
82-NR-106	16	1.56	watercourse	low	120	yes, road
82-SM-025	21	2.09	watercourse	low	120	no div. potential
82-RG-009-05	1	0.05	ditch relief	low	119	yes, road
82-SM-052	10	0.98	watercourse	low	118	no div. potential

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82-PG	46	4.63	watercourse	low	115	no div. potential
82-MS-003-08	3	0.26	watercourse	low	111	no div. potential
82-RG-009	2	0.04	watercourse	low	111	no div. potential
82-BR-032	2	0.19	watercourse	low	110	yes, road
82-EN	33	3.06	watercourse	low	110	no div. potential
82-EN	34	3.10	watercourse	low	110	no div. potential
82-EN	41	3.74	watercourse	low	110	no div. potential
82-MP	13	1.29	watercourse	low	110	no div. potential
82-PG	23	2.13	watercourse	low	110	yes, road
82-RG	9	0.69	ditch relief	low	110	yes, road
82-EN-009	3	0.28	watercourse	low	105	no div. potential
82-RC	34	3.33	watercourse	low	105	yes, road
82-RG-009	3	0.14	ditch relief	low	104	no div. potential
81-M	343	34.30	watercourse	low	101	no div. potential
81-WE	9	0.89	watercourse	low	100	yes, road
82-BC	2	0.21	watercourse	low	100	no div. potential
82-EN-016	3	0.31	watercourse	low	100	no div. potential
82-NR-106	5	0.44	watercourse	low	100	yes, road
82-RC	10	0.85	watercourse	low	100	no div. potential
82-RG-002	16	1.50	watercourse	low	100	yes, road
82-SM-025	8	0.80	watercourse	low	100	yes, road
82-RG	2	0.16	ditch relief	low	99	yes, ditch
82-MS-020-15	1	0.06	watercourse	low	98	no div. potential
82-RG-009	1	0.01	ditch relief	low	96	yes, road
82-SC	21	2.11	watercourse	low	95	yes, ditch
82-BC	24	2.39	watercourse	low	90	yes, road
82-BR-021	3	0.31	watercourse	low	90	yes, road
82-GP-075	3	0.31	watercourse	low	90	no div. potential
82-SM	13	1.26	watercourse	low	90	no div. potential
82-LB-017	23	2.07	watercourse	low	89	no div. potential
82-RG-009	5	0.31	ditch relief	low	89	no div. potential
82-RG-009	8	0.65	ditch relief	low	89	no div. potential
82-MS-020	18	1.38	watercourse	low	88	no div. potential
82-MS-020	19	1.45	watercourse	low	88	no div. potential
82-MS	15	1.51	watercourse	low	85	no div. potential
82-RC	7	0.67	watercourse	low	85	no div. potential
82-SR-052	3	0.31	watercourse	low	85	yes, road
82-SM	10	0.88	watercourse	low	85	no div. potential
82-SM	11	0.94	ditch relief	low	85	no div. potential
81-BC	30	3.04	watercourse	low	80	no div. potential
82-MS-020	14	0.90	watercourse	low	80	yes, road
82-NR-106	4	0.38	watercourse	low	80	yes, road
82-RC	35	3.38	watercourse	low	80	yes, road
82-SR-059	5	0.37	watercourse	low	80	no div. potential
82-BG-013	9	0.85	ditch relief	low	79	no div. potential
82-LB-017	24	2.11	watercourse	low	78	no div. potential
82-MS-003	4	0.38	watercourse	low	78	no div. potential
82-MS-020	17	1.25	watercourse	low	78	yes, road
82-RG-009-08	2	0.15	ditch relief	low	78	no div. potential
82-BG	5	0.39	ditch relief	low	75	yes, road
82-BR-021	16	1.57	watercourse	low	75	yes, road
82-BR-021-28	3	0.25	ditch relief	low	75	no div. potential
82-EN	27	2.65	ditch relief	low	75	yes, ditch
82-EN	39	3.63	ditch relief	low	75	no div. potential
82-EN	56	5.00	watercourse	low	75	no div. potential
82-MS-020	2	0.17	watercourse	low	75	yes, road
82-SC-049	19	1.91	watercourse	low	75	undetermined
82-SR	46	4.59	watercourse	low	75	no div. potential
82-SR-059	4	0.35	watercourse	low	75	yes, road
82-T4-017	4	0.41	watercourse	low	75	no div. potential
82-EN-016	1	0.12	watercourse	low	74	no div. potential
82-LB-017	16	1.58	watercourse	low	74	no div. potential
82-RG-009	6	0.34	ditch relief	low	74	no div. potential
82-RG-012	1	0.14	ditch relief	low	74	yes, ditch
82-SC-048	1	0.03	watercourse	low	74	yes, ditch
82-EN	9	0.91	ditch relief	low	70	yes, ditch
82-BR-032	4	0.45	watercourse	low	65	no div. potential
82-EN-009	4	0.32	watercourse	low	65	no div. potential
82-RC	32	3.20	ditch relief	low	65	yes, road
82-RG-009	4	0.22	ditch relief	low	65	yes, ditch
82-RG-009-01	2	0.19	ditch relief	low	65	no div. potential
82-RG	3	0.25	ditch relief	low	62	yes, ditch
82-SC	13	1.26	watercourse	low	62	no div. potential
82-DH	10	0.62	watercourse	low	60	yes, road
82-EN	24	2.39	watercourse	low	60	yes, ditch
82-EN-046	1	0.08	ditch relief	low	60	no div. potential
82-MP-013	1	0.08	watercourse	low	60	no div. potential
82-PG	22	2.11	watercourse	low	60	no div. potential
82-RC	33	3.21	ditch relief	low	60	yes, road
82-HW	8	0.82	watercourse	low	60	yes, road
82-RG-009	9	0.81	ditch relief	low	59	yes, ditch
82-RG	8	0.65	ditch relief	low	56	yes, road
82-RG-006-02	1	0.05	ditch relief	low	56	yes, ditch
82-DH-005	4	0.32	watercourse	low	55	yes, road
82-FG	19	1.90	watercourse	low	52	no div. potential
81-BV-131-02	3	0.32	watercourse	low	50	yes, road

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82-BG	4	0.27	ditch relief	low	50	yes, road
82-BR	36	3.60	watercourse	low	50	yes, road
82-BR	37	3.67	watercourse	low	50	yes, road
82-CC	1	0.10	ditch relief	low	50	yes, road
82-EN	8	0.83	ditch relief	low	50	yes, ditch
82-EN	11	1.11	watercourse	low	50	no div. potential
82-RG-009-08	4	0.36	ditch relief	low	50	no div. potential
82-T4	12	1.14	watercourse	low	50	no div. potential
82-LB-017	25	2.13	watercourse	low	49	no div. potential
82-RG-009	7	0.40	ditch relief	low	49	no div. potential
82-RG-009-01	1	0.08	ditch relief	low	49	yes, ditch
82-RG-015	1	0.09	ditch relief	low	46	no div. potential
81-BV-131-02	2	0.24	watercourse	low	45	yes, road
81-BV-131-02	4	0.38	watercourse	low	45	yes, road
82-EN	30	2.89	ditch relief	low	45	no div. potential
82-FG	1	0.08	ditch relief	low	45	yes, road
82-MS-020	11	0.61	ditch relief	low	45	no div. potential
82-NF	21	1.83	watercourse	low	45	yes, road
82-RC-026	2	0.12	watercourse	low	45	no div. potential
82-SC	6	0.56	ditch relief	low	45	yes, road
82-SR-052-09	1	0.01	watercourse	low	45	already diverted
82-EN	7	0.73	ditch relief	low	44	yes, road
82-RG	16	1.59	ditch relief	low	44	yes, ditch
82-SR	66	6.57	ditch relief	low	43	yes, ditch
81-M	342	34.14	ditch relief	low	41	no div. potential
82-SM	1	0.03	watercourse	low	41	yes, road
82-BC-028	1	0.02	watercourse	low	40	no div. potential
82-EN	19	1.85	ditch relief	low	40	no div. potential
82-EN	35	3.22	ditch relief	low	40	no div. potential
82-EN	40	3.66	ditch relief	low	40	yes, ditch
82-EN	45	4.08	ditch relief	low	40	yes, ditch
82-EN	49	4.39	ditch relief	low	40	yes, road
82-GP-089	2	0.15	watercourse	low	40	no div. potential
82-RC-026	1	0.11	watercourse	low	40	no div. potential
82-SM	50	4.96	ditch relief	low	40	no div. potential
82-SM-025	4	0.38	watercourse	low	40	no div. potential
82-SR	19	1.94	ditch relief	low	40	yes, road
82-SR	60	5.80	watercourse	low	40	no div. potential
82-RC	1	0.05	ditch relief	low	38	yes, road
82-BG-013	4	0.38	watercourse	low	37	no div. potential
82-BG-013	5	0.41	watercourse	low	37	no div. potential
82-LB-017	17	1.60	watercourse	low	37	no div. potential
82-RG	5	0.39	ditch relief	low	37	yes, ditch
82-RG	13	1.23	ditch relief	low	37	no div. potential
82-BC	7	0.74	ditch relief	low	35	yes, road
82-EN	36	3.31	ditch relief	low	35	no div. potential
82-RC	8	0.73	ditch relief	low	35	yes, road
82-RC-022	2	0.17	ditch relief	low	35	yes, road
82-MS-003	2	0.10	watercourse	low	31	no div. potential
81-BV-131-02	1	0.03	watercourse	low	30	no div. potential
82-BR	29	2.89	watercourse	low	30	no div. potential
82-EN	23	2.35	ditch relief	low	30	yes, ditch
82-EN	29	2.82	ditch relief	low	30	no div. potential
82-EN	37	3.39	ditch relief	low	30	yes, ditch
82-EN	55	4.96	ditch relief	low	30	no div. potential
82-EN	57	5.03	ditch relief	low	30	no div. potential
82-FG-004-02	8	0.75	ditch relief	low	30	no div. potential
82-FG-004-02	12	1.16	ditch relief	low	30	no div. potential
82-NR-106	13	1.18	watercourse	low	30	yes, road
82-PG	43	4.15	watercourse	low	30	no div. potential
82-RC	5	0.53	watercourse	low	30	no div. potential
82-SC-049	5	0.49	watercourse	low	30	yes, road
82-SR	57	5.69	watercourse	low	30	yes, ditch
82-RG	11	1.07	ditch relief	low	28	no div. potential
82-EN-009-05	1	0.00	ditch relief	low	27	yes, road
82-BC-008	2	0.19	ditch relief	low	25	yes, road
82-BR-021	18	1.78	watercourse	low	25	already diverted
82-DH	3	0.16	ditch relief	low	25	yes, road
82-EN	22	2.19	ditch relief	low	25	no div. potential
82-EN	38	3.51	ditch relief	low	25	no div. potential
82-EN	47	4.31	ditch relief	low	25	yes, ditch
82-MS-003-08	1	0.05	watercourse	low	25	yes, road
82-NF	20	1.74	ditch relief	low	25	yes, road
82-NF-029	4	0.42	ditch relief	low	25	no div. potential
82-SR	2	0.21	ditch relief	low	25	yes, road
82-SR	37	3.69	ditch relief	low	25	no div. potential
82-SR	43	4.32	ditch relief	low	25	no div. potential
82-EN-009	1	0.00	ditch relief	low	24	yes, ditch
82-SC-048	6	0.33	watercourse	low	23	no div. potential
82-BG	1	0.01	ditch relief	low	22	yes, road
82-SR	16	1.56	ditch relief	low	22	yes, ditch
82-SC	22	2.19	ditch relief	low	21	no div. potential
82-SC	35	3.50	ditch relief	low	21	no div. potential
82-SC	36	3.60	ditch relief	low	21	no div. potential
82-SC	37	3.64	ditch relief	low	21	no div. potential
82-SC-039	9	0.92	ditch relief	low	21	no div. potential

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82-SC-039	10	0.97	ditch relief	low	21	no div. potential
82-SC-039	11	1.03	ditch relief	low	21	no div. potential
82-SM	42	4.18	ditch relief	low	21	no div. potential
82-BC	3	0.29	ditch relief	low	20	no div. potential
82-BR-021	23	2.26	watercourse	low	20	no div. potential
82-BR-021	24	2.28	watercourse	low	20	no div. potential
82-BR-021-18	2	0.23	ditch relief	low	20	yes, road
82-CC	7	0.71	watercourse	low	20	yes, road
82-DH	9	0.44	ditch relief	low	20	yes, ditch
82-DH-005	3	0.07	ditch relief	low	20	yes, ditch
82-EN	14	1.25	ditch relief	low	20	no div. potential
82-EN	28	2.77	ditch relief	low	20	yes, ditch
82-EN	31	2.94	ditch relief	low	20	yes, ditch
82-EN	32	2.99	ditch relief	low	20	yes, ditch
82-EN	43	3.93	ditch relief	low	20	yes, ditch
82-EN	46	4.13	ditch relief	low	20	yes, ditch
82-EN	54	4.93	ditch relief	low	20	no div. potential
82-MG	7	0.71	watercourse	low	20	no div. potential
82-MS-003	3	0.20	watercourse	low	20	yes, road
82-MS-020-05	1	0.14	ditch relief	low	20	yes, road
82-NF-029	2	0.22	ditch relief	low	20	no div. potential
82-SR	4	0.41	ditch relief	low	20	yes, road
82-SR	14	1.35	ditch relief	low	20	no div. potential
82-SR	15	1.47	ditch relief	low	20	yes, ditch
82-SR-006	4	0.25	ditch relief	low	20	yes, road
82-SR-052	5	0.51	ditch relief	low	20	yes, road
82-SR-052	6	0.56	ditch relief	low	20	yes, road
82-SR-052	8	0.80	ditch relief	low	20	yes, road
82-HW	7	0.55	watercourse	low	20	no div. potential
81-BV-129	4	0.43	watercourse	low	19	no div. potential
81-BV-129-05	1	0.03	ditch relief	low	19	no div. potential
82-SC-048	3	0.14	ditch relief	low	19	no div. potential
82-SC-048	5	0.25	watercourse	low	19	no div. potential
82-FG	5	0.47	ditch relief	low	18	no div. potential
82-MS-020	4	0.30	ditch relief	low	18	yes, road
82-MS-025-06	2	0.20	watercourse	low	18	no div. potential
82-SC-049	6	0.56	ditch relief	low	18	no div. potential
82-SM	44	4.42	ditch relief	low	18	no div. potential
82-EN-016	2	0.17	ditch relief	low	17	no div. potential
82-SC	10	1.00	ditch relief	low	16	no div. potential
82-SC	14	1.38	watercourse	low	16	no div. potential
82-BG	3	0.16	ditch relief	low	15	no div. potential
82-BR	19	1.93	watercourse	low	15	yes, road
82-BR	38	3.74	watercourse	low	15	no div. potential
82-MS-020	5	0.38	ditch relief	low	15	no div. potential
82-NF	26	2.63	ditch relief	low	15	already diverted
82-SR	58	5.72	watercourse	low	15	no div. potential
82-SR-061	1	0.10	ditch relief	low	15	already diverted
82-SC	11	1.04	watercourse	low	13	no div. potential
82-PG	24	2.16	ditch relief	low	12	yes, road
82-SR	9	0.94	ditch relief	low	12	yes, ditch
82-SR	10	1.03	ditch relief	low	12	yes, ditch
82-SR-059	2	0.22	ditch relief	low	12	no div. potential
82-EN	13	1.24	ditch relief	low	11	yes, ditch
82-BR	34	3.44	watercourse	low	10	no div. potential
82-DH	5	0.24	ditch relief	low	10	yes, ditch
82-MG	2	0.17	ditch relief	low	10	yes, ditch
82-NF	8	0.75	ditch relief	low	10	already diverted
82-NF	9	0.93	ditch relief	low	10	yes, road
82-NF	16	1.59	ditch relief	low	10	already diverted
82-NF	17	1.65	ditch relief	low	10	yes, road
82-NF	18	1.65	ditch relief	low	10	yes, ditch
82-NF	19	1.66	ditch relief	low	10	yes, road
82-NF-019	5	0.45	watercourse	low	10	yes, road
82-NR-106	2	0.24	watercourse	low	10	yes, road
82-SR	59	5.78	ditch relief	low	10	yes, ditch
82-SR-006	2	0.05	ditch relief	low	10	yes, road
82-SR-006	5	0.36	ditch relief	low	10	yes, road
82-SM	9	0.79	ditch relief	low	10	yes, ditch
82-DH	6	0.26	watercourse	low	8	yes, road
82-BR-021	19	1.91	watercourse	low	7	yes, road
82-DH	2	0.09	ditch relief	low	7	yes, road
82-DH	4	0.22	ditch relief	low	7	yes, road
82-DH	8	0.41	ditch relief	low	7	yes, road
82-SM	2	0.13	ditch relief	low	7	yes, road
82-DH	1	0.05	ditch relief	low	6	yes, ditch
82-DH-005	1	0.00	ditch relief	low	6	yes, road
82-HR	6	0.40	watercourse	low	6	yes, ditch
82-HR	8	0.60	ditch relief	low	6	yes, ditch
82-HR	17	1.42	watercourse	low	6	yes, ditch
82-EN	18	1.61	ditch relief	low	5	yes, road
82-NF	4	0.40	ditch relief	low	5	no div. potential
82-SR	1	0.11	ditch relief	low	5	already diverted
82-HW	6	0.49	ditch relief	low	4	yes, road
82-SM	14	1.35	watercourse	low	4	yes, road
82-MG	3	0.21	ditch relief	low	3	yes, ditch

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82-SR	3	0.22	ditch relief	low	3	yes, ditch
82-HR	7	0.50	watercourse	low	3	yes, road
82-HW	1	0.13	watercourse	low	3	yes, road
82-RG-002	2	0.22	watercourse	low	1	yes, road
82-HR	1	0.03	ditch relief	low	1	yes, ditch
82-HR	26	2.00	ditch relief	low	1	yes, ditch
81-BH	2	0.19	ditch relief	low	0	no div. potential
81-BH	3	0.31	ditch relief	low	0	no div. potential
81-BH	4	0.40	ditch relief	low	0	yes, road
82-BP	33	3.24	ditch relief	low	0	yes, road
82-BP-021	5	0.47	ditch relief	low	0	no div. potential
82-BP-024	3	0.34	ditch relief	low	0	no div. potential
82-BR-021	29	2.89	ditch relief	low	0	no div. potential
82-BR-021-28	1	0.10	ditch relief	low	0	no div. potential
82-DH	7	0.32	ditch relief	low	0	no div. potential
82-FG	3	0.21	ditch relief	low	0	yes, road
82-FG-004	2	0.21	watercourse	low	0	yes, road
82-FG-004	3	0.29	ditch relief	low	0	yes, road
82-FG-031	8	0.84	watercourse	low	0	no div. potential
82-LB-018	5	0.50	ditch relief	low	0	yes, road
82-MS	17	1.70	ditch relief	low	0	yes, road
82-NF	3	0.18	ditch relief	low	0	already diverted
82-PG	34	3.41	watercourse	low	0	no div. potential
82-PG	35	3.51	watercourse	low	0	yes, road
82-PG	36	3.53	ditch relief	low	0	no div. potential
82-PG	37	3.61	watercourse	low	0	yes, road
82-PG	38	3.83	watercourse	low	0	yes, road
82-PG	40	3.96	watercourse	low	0	no div. potential
82-PG	41	3.99	watercourse	low	0	no div. potential
82-PG	42	4.02	watercourse	low	0	no div. potential
82-RG-015-02	2	0.15	ditch relief	low	0	yes, ditch
82-SM	36	3.61	ditch relief	low	0	no div. potential
82-HR	11	0.87	ditch relief	low	0	yes, ditch
82-HR	14	1.19	watercourse	low	0	yes, road
82-GP-130	1	0.12	watercourse	none	999999	undetermined
82-GP-130	2	0.18	watercourse	none	999999	undetermined
82-GP-130	3	0.21	watercourse	none	999999	undetermined
82-GP-130	4	0.26	watercourse	none	999999	undetermined
82-GP-130-01	1	0.14	watercourse	none	999999	undetermined
82-GP-130-01	2	0.16	watercourse	none	999999	undetermined
82-GP-130-01	3	0.20	watercourse	none	999999	undetermined
82-GP-130-01	4	0.24	watercourse	none	999999	undetermined
82-GP-130-01	5	0.50	watercourse	none	999999	undetermined
82-GP-130-01	6	0.58	watercourse	none	999999	undetermined
81-M-348	5	0.55	watercourse	none	296	no div. potential
81-BV-123-02	3	0.25	watercourse	none	118	no div. potential
82-BG	10	0.96	ditch relief	none	67	no div. potential
82-MS-020	9	0.54	ditch relief	none	33	no div. potential
82-SR-079	3	0.33	ditch relief	none	28	no div. potential
82-CC	8	0.85	ditch relief	none	20	yes, road
81-M-348	1	0.14	ditch relief	none	16	no div. potential
82-HR	27	2.17	ditch relief	none	1	yes, road
78-KS-013	14	1.39	ditch relief	none	0	undetermined
78-KS-013	21	2.10	ditch relief	none	0	undetermined
78-KS-013	22	2.18	ditch relief	none	0	undetermined
78-KS-013	23	2.30	ditch relief	none	0	undetermined
82-FG	2	0.15	ditch relief	none	0	yes, road
82-MS	6	0.61	ditch relief	none	0	no div. potential
82-MS	9	0.90	ditch relief	none	0	no div. potential
82-MS	11	1.09	ditch relief	none	0	no div. potential
82-MS	12	1.25	ditch relief	none	0	no div. potential
82-MS-003	1	0.06	ditch relief	none	0	no div. potential
82-HW-012	3	0.31	watercourse	none	0	yes, road
82-HW-014	1	0.14	ditch relief	none	0	yes, ditch
82-HW-014	2	0.17	watercourse	none	0	yes, road
82-HW-014	3	0.26	watercourse	none	0	yes, road
82-SM	8	0.64	ditch relief	none	0	no div. potential
82-SM	15	1.40	ditch relief	none	0	yes, ditch
82-SM	17	1.67	ditch relief	none	0	no div. potential
82-HR	21	1.60	ditch relief	undetermined	8	yes, ditch
82-BR-021	11	1.13	watercourse	undetermined	0	undetermined
82-CA-027	1	0.07	undetermined	undetermined	0	undetermined
82-MS-020	21	1.65	undetermined	undetermined	0	undetermined
82-NR-106	6	0.52	watercourse	undetermined	0	no div. potential
82-NR-130	1	0.00	undetermined	undetermined	0	undetermined
82-PG	11	1.07	undetermined	undetermined	0	undetermined
82-PG	17	1.69	undetermined	undetermined	0	undetermined
82-PG	19	1.89	undetermined	undetermined	0	undetermined
82-RG	12	1.16	ditch relief	undetermined	0	yes, ditch
82-HR	13	0.99	watercourse	undetermined	0	yes, road
82-HW	5	0.46	undetermined	undetermined	0	undetermined

Road Number	Site #	Mile Post	Crossing Type	Treatment Immediacy	Controllable Volume (cu yd)	Diversion Potential
82-GP-123-08	4	0.365	other	high	3000	no div. potential
82-GP-123-08	2	0.188	other	high	2000	already diverted
82-RG-002	23	2.318	other	high	1900	no div. potential
82-CC-006	6	0.635	other	high	1800	yes, road
82-MS	16	1.585	bridge	high	1611	no div. potential
82-GP-123-08	5	0.506	humboldt	high	1000	no div. potential
82-SM-052-02	3	0.337	other	high	830	no div. potential
82-GP-123-08	3	0.316	other	high	740	yes, road
82-SM-025	18	1.754	other	high	600	no div. potential
82-HW-009	2	0.212	other	high	600	no div. potential
82-GP-123-08-01	1	0.064	other	high	600	yes, road
82-SM-025	14	1.427	other	high	500	no div. potential
82-SM-002-03-01	1	0.09	other	high	400	no div. potential
82-HW-009	3	0.274	other	high	170	no div. potential
82-GP-172	1	0.064	other	high	100	yes, road
82-RG-002-06	18	1.766	other	high	70	no div. potential
82-HR-019	2	0.197	other	high	60	no div. potential
82-HR-017	1	0.088	other	high	60	no div. potential
82-HR-019	4	0.26	other	high	45	no div. potential
82-BV-140	1	0.067	other	high	40	no div. potential
82-BR	18	1.778	dipped	high	25	yes, road
82-HR-009	1	0.143	other	high	25	no div. potential
82-HR-019	3	0.242	other	high	0	no div. potential
82-CS	14	1.317	other	moderate	300150	no div. potential
82-MG-002	4	0.368	dipped	moderate	700	yes, road
82-GP-123	5	0.507	other	moderate	600	yes, road
82-CC-006	7	0.714	other	moderate	560	no div. potential
82-RN-005	5	0.438	dipped	moderate	400	no div. potential
82-BR-032	1	0.095	other	moderate	400	yes, road
82-BR	26	2.605	bridge	moderate	400	no div. potential
82-CS	15	1.471	other	moderate	330	no div. potential
82-NF-005	4	0.358	dipped	moderate	250	no div. potential
82-DC	1	0.094	humboldt	moderate	230	yes, road
82-MG-002	2	0.21	dipped	moderate	230	no div. potential
82-RN-018	9	0.875	dipped	moderate	230	yes, road
82-CS	17	1.625	other	moderate	230	no div. potential
82-GP-123-08	6	0.57	other	moderate	200	yes, road
82-SM-025	1	0.02	other	moderate	200	no div. potential
82-RN-005	4	0.403	dipped	moderate	200	no div. potential
82-BP-027	11	1.008	other	moderate	195	no div. potential
82-DC-003	1	0.024	dipped	moderate	180	no div. potential
82-SM-006	3	0.337	other	moderate	170	no div. potential
82-CS	13	1.269	dipped	moderate	170	yes, road
82-DC	3	0.228	dipped	moderate	160	no div. potential
82-RN-005	3	0.345	dipped	moderate	160	no div. potential
82-RG-002-06	6	0.649	other	moderate	140	no div. potential
82-BP-027	10	0.842	other	moderate	125	no div. potential
82-GP-123	3	0.333	other	moderate	120	yes, road
82-BR-004	2	0.188	dipped	moderate	100	no div. potential
82-HW-008	3	0.337	other	moderate	100	already diverted
82-RN-005	12	1.152	dipped	moderate	100	already diverted
82-BP-033	4	0.396	other	moderate	100	no div. potential
82-RG-002	26	2.501	dipped	moderate	100	no div. potential
82-CS	7	0.694	dipped	moderate	80	no div. potential
82-HW	3	0.32	other	moderate	60	no div. potential
82-DC-003	3	0.25	dipped	moderate	60	no div. potential
82-DC-008	1	0.007	dipped	moderate	40	no div. potential
82-CC-004	5	0.472	dipped	moderate	30	yes, road
82-BR-019	4	0.28	dipped	moderate	25	yes, road
82-BR-016	6	0.472	dipped	moderate	20	no div. potential
82-BV-140	5	0.462	other	moderate	8	no div. potential
82-SR	61	6.109	bridge	low	800	no div. potential
82-BV-085	1	0.104	dipped	low	550	yes, road
82-BR-021	33	3.344	other	low	430	no div. potential
82-BV-085	5	0.469	dipped	low	370	yes, road
82-BV-079	9	0.931	dipped	low	370	yes, road
82-RN-005	11	1.055	other	low	350	no div. potential
82-NR-110	2	0.196	dipped	low	300	already diverted
82-RN-019	1	0.109	dipped	low	250	yes, road
82-NF-029-13	10	0.99	dipped	low	240	yes, road
82-NF-029-17	2	0.212	dipped	low	230	no div. potential
82-DC-002	2	0.118	dipped	low	210	yes, road
82-BR-009	1	0.088	dipped	low	200	yes, road
82-NF-005	6	0.556	dipped	low	200	no div. potential
82-BR-008	17	1.619	dipped	low	200	yes, road
82-BR-019	8	0.461	other	low	180	yes, road
82-RN-005	10	1.025	other	low	170	already diverted
82-SM-025	16	1.642	other	low	150	no div. potential
82-DC-002	1	0.036	dipped	low	150	no div. potential
82-NR-110	1	0.122	dipped	low	130	yes, road
82-PG	3	0.253	bridge	low	130	no div. potential
82-CS	16	1.523	dipped	low	130	no div. potential
82-CR-036-08	3	0.282	other	low	123	no div. potential

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82-RN-018	6	0.616	dipped	low	120	no div. potential
82-NF-029-09-02	3	0.271	dipped	low	116	no div. potential
82-NF-029-13	15	1.374	dipped	low	115	no div. potential
82-RG-002	20	2.003	humboldt	low	110	no div. potential
82-RG-002-06	11	1.13	other	low	110	no div. potential
82-BR-021	17	1.746	dipped	low	110	yes, road
82-HW-009	1	0.011	other	low	110	no div. potential
82-GP-123	10	1.025	other	low	110	yes, road
82-SM-044	1	0.048	dipped	low	110	no div. potential
82-SM-044	2	0.088	dipped	low	110	no div. potential
82-MG-033-08	2	0.157	dipped	low	100	no div. potential
82-NF-029-13	16	1.526	dipped	low	100	no div. potential
82-BR-016	4	0.381	dipped	low	100	yes, road
82-RN-018	10	0.928	dipped	low	90	yes, road
82-NF-029-09-01	2	0.156	other	low	90	no div. potential
82-NF-029-13	13	1.18	dipped	low	90	no div. potential
82-NF-029-13	4	0.371	dipped	low	90	no div. potential
82-NF-029-17	3	0.28	dipped	low	90	no div. potential
82-NF-029-13	11	1.052	dipped	low	85	no div. potential
82-NF-029-17	4	0.378	dipped	low	80	no div. potential
82-DC-007	2	0.044	dipped	low	80	no div. potential
82-PG-049-08	5	0.466	dipped	low	80	no div. potential
82-CS	2	0.235	dipped	low	75	no div. potential
82-CC-006	1	0.056	dipped	low	75	yes, road
82-NF-029-13	14	1.308	dipped	low	70	no div. potential
82-CS-018	1	0.014	dipped	low	70	yes, road
82-CS	9	0.861	dipped	low	70	already diverted
82-SR-061	3	0.288	dipped	low	70	yes, road
82-NF-029-09-02	1	0.119	dipped	low	66	no div. potential
82-BR-021-17	1	0.118	dipped	low	65	yes, road
82-NF-029-13	12	1.152	dipped	low	65	no div. potential
82-NF-029-13	18	1.791	dipped	low	65	no div. potential
82-BC	22	2.227	dipped	low	60	already diverted
82-BP-024	2	0.168	other	low	60	no div. potential
82-BP-033	5	0.477	other	low	60	no div. potential
82-SM-033	3	0.272	dipped	low	60	no div. potential
82-DC	4	0.259	dipped	low	60	no div. potential
82-CC-006	3	0.138	dipped	low	50	yes, road
82-NF-019-01	4	0.396	dipped	low	50	no div. potential
82-CS-018	2	0.095	dipped	low	50	no div. potential
82-FG	5	0.524	other	low	50	no div. potential
82-PG-049-08	4	0.411	dipped	low	50	no div. potential
82-CC-006	4	0.406	dipped	low	50	yes, road
82-DC-005	1	0.04	dipped	low	50	no div. potential
82-RN-005	9	0.92	dipped	low	50	no div. potential
82-CC	16	1.641	dipped	low	50	yes, road
82-CS	8	0.754	dipped	low	50	no div. potential
82-DC-007	1	0.007	dipped	low	45	no div. potential
82-RN-005	13	1.195	dipped	low	40	no div. potential
82-CS	18	1.736	other	low	40	no div. potential
82-NF-029-13	19	1.926	dipped	low	40	no div. potential
82-RN-018	11	0.942	dipped	low	40	yes, road
82-GP-123	8	0.743	other	low	40	yes, road
82-BV-079	6	0.62	dipped	low	40	no div. potential
82-CR-036	9	0.804	dipped	low	40	no div. potential
82-NF-019-09	1	0.105	dipped	low	40	yes, road
82-BR-008	7	0.612	dipped	low	40	yes, road
82-DC-002	3	0.24	dipped	low	40	no div. potential
82-RG-002-06	14	1.301	other	low	40	already diverted
82-DC	7	0.626	dipped	low	40	no div. potential
82-RG-002-06	13	1.301	other	low	40	already diverted
82-BR-019	7	0.435	dipped	low	40	no div. potential
82-SM-025	21	2.064	other	low	40	no div. potential
82-SM-044	3	0.177	dipped	low	38	no div. potential
82-BP-027	8	0.682	other	low	37	no div. potential
82-SC-003-03	2	0.16	other	low	37	no div. potential
82-NF-005	3	0.217	dipped	low	35	yes, road
82-RN-018	8	0.794	dipped	low	35	yes, road
82-MS-003	6	0.592	other	low	35	no div. potential
82-NF-005	2	0.15	dipped	low	35	already diverted
82-DC	2	0.154	dipped	low	35	no div. potential
82-RG-002	24	2.382	dipped	low	35	no div. potential
82-SR-018-11	4	0.434	other	low	35	no div. potential
82-DC-003	2	0.038	dipped	low	35	no div. potential
82-PG-049	6	0.613	dipped	low	35	no div. potential
82-SR	65	6.457	dipped	low	33	already diverted
82-BR-021-17	2	0.131	dipped	low	30	yes, road
82-BR-004	1	0.133	dipped	low	30	no div. potential
82-SR-079-03	1	0.14	other	low	30	no div. potential
82-GP-123	7	0.653	other	low	30	yes, road
82-EN-066	3	0.132	dipped	low	30	no div. potential
82-RG-002	25	2.499	dipped	low	30	no div. potential
82-DH-005-03	1	0.003	dipped	low	30	no div. potential

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82-CC-006	2	0.122	dipped	low	30	yes, road
82-RN-005	1	0.027	dipped	low	28	already diverted
82-SM-002-04	2	0.182	dipped	low	25	no div. potential
82-BR-008	15	1.502	dipped	low	25	yes, road
82-T4-017	1	0.012	dipped	low	25	no div. potential
82-CR-036	8	0.733	dipped	low	25	no div. potential
82-SR	34	3.423	bridge	low	25	already diverted
82-CR-036-09	1	0.072	dipped	low	25	no div. potential
82-SR	60	5.965	dipped	low	25	no div. potential
82-CR-036	10	0.824	dipped	low	25	no div. potential
82-RN-019	4	0.269	dipped	low	25	already diverted
82-SM-038	5	0.531	dipped	low	23	no div. potential
82-RN-019	5	0.323	dipped	low	22	no div. potential
82-PG-049	8	0.751	dipped	low	22	no div. potential
82-RN-005	6	0.569	dipped	low	20	already diverted
82-T4-017	6	0.531	dipped	low	20	no div. potential
82-T4-017	3	0.227	dipped	low	20	no div. potential
82-BP	21	2.075	other	low	20	no div. potential
82-BC-028-01	1	0.011	dipped	low	20	already diverted
82-T4-017	5	0.346	dipped	low	20	no div. potential
82-BC-028-02	1	0.003	dipped	low	20	already diverted
82-CC	2	0.243	dipped	low	20	already diverted
82-BR-008	8	0.734	dipped	low	20	yes, road
82-SR-052	9	0.874	dipped	low	20	already diverted
82-PG-049	2	0.204	low water (temp)	low	20	no div. potential
82-DH-018	5	0.459	dipped	low	20	no div. potential
82-NF-028	1	0.022	bridge	low	20	already diverted
82-RC-022	5	0.531	dipped	low	20	already diverted
82-DC	6	0.589	dipped	low	20	no div. potential
82-RG-002-06	15	1.485	other	low	20	no div. potential
82-MG-003	14	0.744	other	low	16	no div. potential
82-MG-003	13	0.744	other	low	16	no div. potential
82-SR-011	3	0.322	other	low	15	yes, road
82-BP-027	9	0.795	other	low	15	no div. potential
82-SR-079-03	8	0.732	dipped	low	15	no div. potential
82-BR-008	9	0.787	dipped	low	15	yes, ditch
82-CR-036	7	0.68	dipped	low	15	no div. potential
82-RN-019	2	0.185	other	low	15	yes, road
82-FG	8	0.773	other	low	15	no div. potential
82-SR-041	12	1.179	other	low	15	already diverted
82-BC-028-01	2	0.216	dipped	low	15	already diverted
82-NF-029	16	1.597	dipped	low	15	already diverted
82-SM-002	4	0.416	other	low	12	no div. potential
82-MS-025	7	0.715	dipped	low	12	no div. potential
82-MS-025	8	0.729	dipped	low	12	no div. potential
82-SR	79	7.875	other	low	11	no div. potential
82-PG-049-08	1	0.074	dipped	low	10	no div. potential
82-NF-019	7	0.663	dipped	low	10	yes, road
82-NF-029	21	2.112	other	low	10	already diverted
82-NF-029	3	0.347	bridge	low	10	no div. potential
82-T4-016	3	0.257	dipped	low	10	no div. potential
82-BR-019	6	0.423	dipped	low	10	yes, road
82-SR-006-11	1	0.061	dipped	low	10	no div. potential
82-BR-019	5	0.375	dipped	low	10	yes, road
82-NF-029	9	0.876	humboldt	low	10	no div. potential
82-RC-003	7	0.669	dipped	low	10	already diverted
82-SR-059-12	7	0.665	dipped	low	10	already diverted
82-BR-032-02-01	1	0.069	dipped	low	10	already diverted
82-SR-059-12	2	0.224	dipped	low	10	already diverted
82-SR-079-03	4	0.38	dipped	low	10	no div. potential
82-SR-079-03	7	0.716	dipped	low	10	no div. potential
82-BV-140	6	0.538	other	low	10	no div. potential
82-NF-029	8	0.769	bridge	low	10	no div. potential
82-T4-017	4	0.307	dipped	low	10	no div. potential
82-BR-019	1	0.008	dipped	low	10	yes, road
82-HW	4	0.424	other	low	10	no div. potential
82-BC-008	1	0.02	dipped	low	10	already diverted
82-T4-016	4	0.399	dipped	low	10	no div. potential
82-BR-008	6	0.587	dipped	low	10	yes, road
82-SR-059-12	4	0.379	dipped	low	10	already diverted
82-HW-002	1	0.134	other	low	10	no div. potential
82-BR-016	3	0.347	dipped	low	10	yes, road
82-BR-019	2	0.185	dipped	low	10	yes, road
82-T4-017	2	0.118	dipped	low	10	no div. potential
82-CC	30	3.001	dipped	low	9	no div. potential
82-BR-008	16	1.537	dipped	low	8	no div. potential
82-RN-019	3	0.216	other	low	8	no div. potential
82-BV-140	3	0.348	low water (temp)	low	7	no div. potential
82-BR-019	3	0.227	dipped	low	7	yes, road
82-MG-015	1	0.142	dipped	low	5	yes, road
82-MG-015-02	1	0.061	dipped	low	5	no div. potential
82-MG-015-02	2	0.114	dipped	low	5	no div. potential
82-MG-015-02	3	0.186	dipped	low	5	no div. potential

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82-MG-003	8	0.448	other	low	5	no div. potential
82-SR	66	6.628	other	low	4	no div. potential
82-MG-003	10	0.565	dipped	low	2	no div. potential
82-MG-003	11	0.565	dipped	low	2	no div. potential
82-BV-128-02	2	0.212	other	low	0	no div. potential
82-SC	42	4.244	bridge	low	0	no div. potential
82-SC	47	4.744	bridge	low	0	no div. potential
82-MG-003	12	0.727	other	low	0	yes, road
82-SM	39	3.917	bridge	low	0	no div. potential
82-SC	26	2.647	bridge	low	0	no div. potential
82-SR-042	2	0.197	low water (temp)	low	0	already diverted
82-RG-002-23	2	0.059	dipped	low	0	no div. potential
82-MG-003	9	0.512	other	low	0	yes, road
82-MG-003	7	0.385	other	low	0	no div. potential
82-BP-027	3	0.273	dipped	low	0	no div. potential
82-MG-003	6	0.358	other	low	0	yes, road
82-MG-003	5	0.358	other	low	0	yes, road
82-BR-032-02-01	2	0.084	dipped	low	0	yes, road
82-BP-027	7	0.647	dipped	low	0	no div. potential
82-RG-002-06	19	1.806	dipped	low	0	no div. potential
82-RG-002-23	1	0.059	dipped	low	0	no div. potential
82-BP-027	6	0.577	dipped	low	0	no div. potential
82-EN-066	1	0.012	dipped	none	50	no div. potential
82-CR-036-08	5	0.457	dipped	none	40	no div. potential
82-BR-016	5	0.415	dipped	none	30	no div. potential
82-BC-030	1	0.036	dipped	none	0	no div. potential
82-SR-061-01	1	0.007	other	none	0	no div. potential
82-BC-027	2	0.059	dipped	none	0	no div. potential
82-BC-027	1	0.01	dipped	none	0	no div. potential
82-SR-079-03	5	0.538	dipped	none	0	no div. potential
82-RG-002-06	1	0.012	dipped	none	0	no div. potential
82-MG-003	3	0.209	other	none	0	no div. potential
82-HR-017	2	0.133	dipped	none	0	no div. potential
82-MG-003	4	0.209	other	none	0	no div. potential
82-HR-009	2	0.181	other	none	0	no div. potential
82-FG-027	1	0.141	dipped	none	0	no div. potential
82-NF-004	1	0.044	low water (temp)	none	0	no div. potential
82-EN-066	2	0.095	dipped	none	0	no div. potential
82-DC-003-04	2	0.025	low water (temp)	none	0	no div. potential
82-NF-029	31	3.06	low water (temp)	none	0	already diverted
82-PG-051	1	0.018	dipped	none	0	no div. potential
82-SR-044	1	0.061	low water (temp)	none	0	no div. potential
82-SM-033	4	0.405	dipped	none	0	no div. potential
82-SR-036	2	0.21	low water (temp)	none	0	no div. potential
82-BR-021-18	5	0.507	low water (temp)	none	0	no div. potential
82-BR-021-28	4	0.414	low water (temp)	none	0	no div. potential
82-BV-043-03	4	0.43	other	none	0	no div. potential
82-PG	1	0.109	low water (temp)	none	0	no div. potential
82-SM-038	3	0.341	dipped	none	0	no div. potential
82-SC	1	0.059	low water (temp)	none	0	no div. potential
82-BV-128	1	0.1	other	none	0	no div. potential
82-BV-128	2	0.118	other	none	0	no div. potential
82-SM-038-04	1	0.111	dipped	none	0	no div. potential
82-DC-003-04	1	0.003	low water (temp)	undetermined	0	undetermined
82-GP-123	6	0.574	undetermined	undetermined	0	undetermined
82-CR-027	1	0.104	undetermined	undetermined	0	undetermined
82-SM-006	4	0.34	humboldt	undetermined	0	no div. potential
82-MG-003	2	0.208	undetermined	undetermined	0	undetermined

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (cu yd)
82-NR-106-11	1	0.045	high	3000
82-NR-110	2	0.231	high	3000
82-HR-007	1	0.143	high	3000
82-BR-021	29	2.922	high	2400
82-BR	26	2.57	high	2300
82-MS-020	16	1.554	high	1777
82-FG	13	1.286	high	1600
82-DC-008	1	0.1	high	1500
82-CC-006	4	0.396	high	1500
82-SR-045	7	0.688	high	1400
82-BG-011	5	0.338	high	1400
82-DC-007	2	0.167	high	850
82-NF-019	8	0.829	high	800
82-RG-002	23	2.228	high	740
82-CS	6	0.603	high	600
82-DH	3	0.253	high	555
82-CS	9	0.883	high	500
82-CS	7	0.705	high	380
82-NF-019	6	0.562	high	300
82-RG-002	25	2.524	high	280
82-SR-013	1	0.14	high	275
82-SR-013	2	0.229	high	260
82-CS	10	0.932	high	230
82-SM-002-03-01	1	0.096	high	200
82-CS	5	0.498	high	150
82-BV-128-02	3	0.294	high	100
82-HR-019	3	0.252	high	50
82-CS	17	1.667	high	0
82-NR-106	16	1.598	moderate	7000
82-BR-038	1	0.024	moderate	1500
82-RN-005	14	1.448	moderate	1240
82-DC-002	5	0.499	moderate	1100
82-BR-032	10	1.014	moderate	890
82-CS	15	1.478	moderate	830
82-MS-025	11	1.13	moderate	770
82-BR	33	3.322	moderate	740
82-MS	13	1.3	moderate	700
82-SM-025	20	2.037	moderate	700
82-MS-020	5	0.493	moderate	622
82-RN-005	13	1.326	moderate	600
82-CS	12	1.186	moderate	500
82-NF-019-01-01	2	0.145	moderate	500
82-BV-043	9	0.913	moderate	500
82-BV-075	2	0.156	moderate	450
82-NF-019	3	0.286	moderate	450
82-SM-025	14	1.435	moderate	400
82-BV-128-11-01	1	0.011	moderate	400
82-MG-033	3	0.268	moderate	400
82-RC-031	7	0.693	moderate	400
82-NF-029-09-01	2	0.107	moderate	385
82-GP-123-08-01	1	0.125	moderate	380
82-BR-009	1	0.06	moderate	370
82-NF-019-01-01	1	0.007	moderate	370
82-BR	30	2.977	moderate	370
82-DC-005	1	0.055	moderate	350
82-CC-006	10	1.001	moderate	300
82-BR-021	14	1.372	moderate	300
82-BR-021	16	1.64	moderate	300
82-RN-005	9	0.938	moderate	270
82-SR-011	2	0.185	moderate	200
82-CC-028	3	0.344	moderate	200
82-RC-003	5	0.506	moderate	200
82-NF-019-09-01	1	0.001	moderate	180
82-SR-006-11	2	0.222	moderate	180
82-BR-021	10	0.978	moderate	170
82-BP	31	3.11	moderate	129
82-NF-019-01-03	2	0.167	moderate	120
82-BR-035	1	0.014	moderate	110
82-SR-006-11	3	0.271	moderate	100
82-NF-019	7	0.712	moderate	100
82-SR-006-05	2	0.166	moderate	100
82-DH	5	0.495	moderate	100
82-NF-019-09	2	0.188	moderate	100
82-BV-128-09	1	0.002	moderate	80
82-MG-003	9	0.868	moderate	60
82-CC-006	1	0.147	moderate	60
82-BV-128-11-01	2	0.1	moderate	60
82-HR	3	0.262	moderate	40
82-SM-002-03	2	0.208	moderate	30
82-HW-007	3	0.194	moderate	6
82-NR-110-01	1	0.136	moderate	0
82-CC	7	0.673	moderate	0
82-RG-002	20	2.012	moderate	0
82-CC-006	8	0.743	moderate	0
82-CC-004	2	0.196	moderate	0
82-SM-052	16	1.582	moderate	0
82-SR-061	12	1.186	low	740
82-BV-079	9	0.855	low	670
82-SR-061-01	1	0.077	low	500
82-SM	34	3.383	low	410
82-SR-061	21	2.009	low	370
82-SR-045	1	0.133	low	370
82-DH-030-04-01	1	0.044	low	370
82-NR-106	17	1.638	low	300
82-SR-079-03	2	0.237	low	300
82-BR-021	11	1.128	low	280
82-DH-030-04	1	0.105	low	280

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (cu yd)
82-BR-021	7	0.734	low	280
82-BR-008-08	1	0.098	low	270
82-NR-106	13	1.316	low	250
82-BR-021	23	2.252	low	250
82-NF-029-27	5	0.531	low	240
82-SM-015	3	0.347	low	240
82-MG-033	6	0.597	low	230
82-SR-061	18	1.831	low	220
82-SR-061	20	1.955	low	190
82-CC-006	5	0.541	low	185
82-RG-035	3	0.258	low	180
82-GP-075	1	0.056	low	180
82-SM-025	17	1.731	low	175
82-MG-033-08	5	0.459	low	170
82-BR-021-28-01	1	0.074	low	160
82-GP-127-03	1	0.043	low	150
82-DH-028	1	0.131	low	150
82-NF-019-01-02	1	0.055	low	150
82-DH-018	4	0.409	low	150
82-BR-021	32	3.171	low	125
82-NF-019-01	6	0.556	low	100
82-BR-008	7	0.712	low	100
82-SR-019-07-01	1	0.031	low	100
82-NR-110	1	0.018	low	100
82-DC	6	0.551	low	90
82-SM-004	3	0.273	low	75
82-BV-128-06	2	0.142	low	75
82-SR-045	4	0.38	low	75
82-BV-128	8	0.77	low	70
82-MG-033-06	1	0.032	low	70
82-NF-029-15	1	0.031	low	65
82-HR-013	1	0.017	low	65
82-SM-004	1	0.13	low	60
82-NR-090	1	0.088	low	60
82-RG-006-02	1	0.066	low	50
82-BV-128-06	1	0.041	low	50
82-HR-017	2	0.2	low	50
82-MG-033	4	0.352	low	50
82-MG-033-22	1	0.067	low	50
82-HT	10	1.032	low	50
82-NR-096	5	0.457	low	50
82-HT-005	1	0.042	low	50
82-CR-036-08	6	0.626	low	50
82-EN	40	3.973	low	50
82-SR	23	2.27	low	50
82-NF-019	5	0.48	low	50
82-RG-002	29	2.894	low	45
82-HR-015	3	0.281	low	45
82-CR-036-09	1	0.049	low	45
82-SR-006-11	1	0.121	low	40
82-PG	45	4.483	low	40
82-BR-021	4	0.367	low	40
82-NR-106-01	2	0.185	low	40
82-MG-033	7	0.711	low	40
82-HR	15	1.495	low	35
82-SR-041	1	0.089	low	30
82-DH-032-02	1	0.027	low	30
82-HR-015	1	0.123	low	30
82-SR-041	8	0.76	low	30
82-BV-128-02	2	0.208	low	30
82-PG-049	1	0.003	low	30
82-BV-085	5	0.465	low	30
82-DH	31	3.065	low	30
82-RG	5	0.532	low	27
82-SR-019	5	0.502	low	25
82-SR-006	12	1.164	low	25
82-BR	10	0.997	low	22
82-DH-030-01	1	0.108	low	20
82-MG-033	15	1.395	low	20
82-MS-025	6	0.574	low	20
82-SR-041	14	1.402	low	20
82-MG-033	16	1.592	low	20
82-SR-041-11	2	0.071	low	20
82-SR-011	4	0.418	low	20
82-BV-140	5	0.506	low	20
82-SR-019	13	1.259	low	20
82-MG-033	21	2.053	low	20
82-MG-033	17	1.698	low	20
82-MG-026	1	0.008	low	16
82-SR-016	7	0.691	low	15
82-HR-019-01	1	0.006	low	15
82-HW-007-02	1	0.037	low	15
82-SM-002	2	0.177	low	13
82-BV-128	11	1.108	low	11
82-GP-069	3	0.278	low	10
82-MG-033-20	1	0.091	low	10
82-SM-002	7	0.719	low	10
82-RC-003	7	0.689	low	10
82-BR-032-02-01	1	0.001	low	10
82-SR-016	3	0.311	low	10
82-BR-004	3	0.255	low	10
82-SR-016	4	0.441	low	10
82-RG-009-11	1	0.023	low	10
82-CC-022	2	0.165	low	10
82-MG-015	18	1.753	low	10
82-SR-019-07	8	0.751	low	10
82-RC-003	9	0.949	low	10

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (cu yd)
82-BR-008	5	0.459	low	10
82-SR-016	1	0.129	low	10
82-BV-140	2	0.15	low	10
82-SR-041	12	1.235	low	10
82-SR-041-11	1	0.007	low	10
82-BR-019	4	0.404	low	10
82-BR-021	20	1.969	low	10
82-BR-008	10	1.005	low	10
82-RG-015-05	1	0.043	low	10
82-RC-009	2	0.172	low	10
82-BC-017	1	0.021	low	5
82-BR	11	1.097	low	5
82-MG-015-02	2	0.249	low	5
82-RN-005	2	0.178	low	5
82-BC-016	1	0.044	low	5
82-MG-015	1	0.122	low	5
82-BR-001	2	0.213	low	5
82-RG	10	0.985	low	5
82-MG-033	1	0.084	low	5
82-RG-009-08	2	0.233	low	3
82-MG-026-04	1	0.08	low	3
82-HW-007	2	0.171	low	2
82-HR-009	5	0.513	low	1
82-MG-033	5	0.467	low	0
82-RC-031	4	0.405	low	0
82-MG-015-13	2	0.152	low	0
82-MG-015-08	4	0.426	low	0
82-RC-003-09	2	0.15	low	0
82-MG-033	14	1.291	low	0
82-MS-020	15	1.455	low	0
82-NF-019	2	0.22	low	0
82-NF-005	3	0.254	low	0
82-NF-019-01-02	3	0.309	low	0
82-NF-029-13-05	1	0.03	low	0
82-MS-025	4	0.391	low	0
82-MS-020-13-01	1	0.122	low	0
82-MS-020-12	1	0.08	low	0
82-MS-020	7	0.713	low	0
82-NF-029-27-01	4	0.405	low	0
82-PG	42	4.164	low	0
82-MS-020	3	0.329	low	0
82-PG-049-08	5	0.509	low	0
82-MS-020	10	0.952	low	0
82-NR-096-01	3	0.222	low	0
82-NR-104	1	0.017	low	0
82-EN-054-02	2	0.235	low	0
82-NR-123	2	0.214	low	0
82-NF-019-01	8	0.805	low	0
82-NR-130	1	0.12	low	0
82-PG-049	7	0.679	low	0
82-PG-049	8	0.783	low	0
82-MS-020	6	0.643	low	0
82-DH-005-03-01	1	0.083	low	0
82-CC-004	7	0.705	low	0
82-CC-006	7	0.68	low	0
82-CR-036	8	0.755	low	0
82-DC-003	1	0.003	low	0
82-DH-005	7	0.658	low	0
82-DH-005-02	1	0.029	low	0
82-DH-005-03	1	0.003	low	0
82-EN	63	6.311	low	0
82-DH-005-03	6	0.591	low	0
82-CC-002	8	0.752	low	0
82-DH-029	1	0.036	low	0
82-DH-030	4	0.38	low	0
82-DH-030-06	2	0.223	low	0
82-EN	13	1.278	low	0
82-EN	23	2.273	low	0
82-EN	41	4.045	low	0
82-EN-056	4	0.313	low	0
82-DH-005-03	2	0.164	low	0
82-BR-028	1	0.041	low	0
82-BG	8	0.844	low	0
82-BG-005	2	0.081	low	0
82-BG-013	7	0.689	low	0
82-BP-024	1	0.089	low	0
82-BP-024	6	0.568	low	0
82-BP-027	11	1.145	low	0
82-BR	14	1.402	low	0
82-CC-004	5	0.479	low	0
82-BR-008	12	1.191	low	0
82-CC-004	11	1.084	low	0
82-BR-032-02-01	2	0.105	low	0
82-BV-043	7	0.704	low	0
82-CC	11	1.058	low	0
82-CC	2	0.221	low	0
82-CC	9	0.905	low	0
82-CC-002	10	1.012	low	0
82-CC-002	4	0.41	low	0
82-EN-009	10	0.956	low	0
82-BR	7	0.727	low	0
82-HW-008	5	0.545	low	0
82-GP-123	6	0.627	low	0
82-GP-172-01	1	0.027	low	0
82-HR-003	3	0.25	low	0
82-HR-009-05	1	0.005	low	0
82-HT-011	1	0.019	low	0

Road Number	Site #	Mile Post	Treatment Immediacy	Controllable Volume (cu yd)
82-HT-013	1	0.014	low	0
82-HT-014	1	0.02	low	0
82-EN	43	4.277	low	0
82-HW	1	0.081	low	0
82-GP-073	2	0.24	low	0
82-HW-012	4	0.327	low	0
82-K-013	6	0.601	low	0
82-LB-004	1	0.134	low	0
82-LB-018	7	0.717	low	0
82-MG	28	2.753	low	0
82-MG-015	11	1.127	low	0
82-T4-017-06	2	0.221	low	0
82-HT-018	10	0.999	low	0
82-EN-058	1	0.035	low	0
82-EN-009	2	0.224	low	0
82-EN-009	3	0.338	low	0
82-EN-026	2	0.166	low	0
82-EN-026	5	0.514	low	0
82-EN-035-01	1	0.061	low	0
82-EN-035-02	1	0.117	low	0
82-EN-038	3	0.289	low	0
82-GP-123	13	1.274	low	0
82-EN-056	3	0.282	low	0
82-GP-073	4	0.393	low	0
82-EN-064-01	1	0.12	low	0
82-FG	20	1.95	low	0
82-FG-004	8	0.769	low	0
82-FG-004-02	7	0.719	low	0
82-FG-017	1	0.092	low	0
82-FG-021	1	0.127	low	0
82-GP-027	3	0.327	low	0
82-MG-015	16	1.586	low	0
82-EN-044	1	0.04	low	0
82-SR-016-07	1	0.049	low	0
82-SC-049	8	0.771	low	0
82-SM-017	6	0.611	low	0
82-SC-049	9	0.9	low	0
82-SR-019	14	1.358	low	0
82-SR	57	5.675	low	0
82-SR-059-12	6	0.604	low	0
82-SR-059-12	8	0.8	low	0
82-SM-017	5	0.53	low	0
82-SR-059-12-02	2	0.165	low	0
82-RN-018-09	1	0.042	low	0
82-SR	50	4.982	low	0
82-SR-006-02	1	0.022	low	0
82-SR	25	2.492	low	0
82-RG-009	5	0.53	low	0
82-SR-061	9	0.943	low	0
82-RG-009-05	1	0.078	low	0
82-RG-009-07	1	0.038	low	0
82-SR-059-12-02	1	0.111	low	0
82-SC-049	6	0.64	low	0
82-SR-019-07-04	1	0.047	low	0
82-SR-019-07	4	0.409	low	0
82-SR-019-07	1	0.012	low	0
82-SR-006	11	1.064	low	0
82-SR-019-09	1	0.084	low	0
82-SC-049	18	1.824	low	0
82-SR-006-08	2	0.104	low	0
82-SR-019-16	1	0.016	low	0
82-SM-017	4	0.355	low	0
82-SM-017	1	0.089	low	0
82-SM-017	2	0.213	low	0
82-SR-019	16	1.588	low	0
82-SR-019	8	0.776	low	0
82-RG	8	0.755	low	0
82-BG-011	6	0.486	none	800
82-MG-015-08	2	0.239	none	50
82-MG-033	19	1.856	none	20
82-MG-033	13	1.26	none	10
82-SM-002-03	1	0.057	none	10
82-MG-033-12	4	0.406	none	5

Navarro West Roadslides

Road Number	Site #	Mile Post	Roadslide Type	Treatment Immediacy	Controllable Volume (yd ³)
82-BP-027	11	1.07	deep seated	high	3700
82-FG	7	0.65	unknown	high	1480
82-SR-045	1	0.09	fill	high	1250
82-MS-020	1	0.10	fill	high	925
82-BG	6	0.59	fill	high	610
82-SM	23	2.28	fill	high	555
82-MS-003	5	0.47	fill	high	515
82-CS	4	0.38	fill	high	500
82-CS	9	0.80	streambank	high	350
82-MS-020-05	2	0.20	cutbank	high	177
82-MG-003	5	0.46	cutbank	high	60
82-SC	46	4.61	streambank	high	10
82-GP-123-08	3	0.29	fill	moderate	3000
82-MS-025	2	0.24	cutbank	moderate	1089
82-RC-031	7	0.71	fill	moderate	900
82-RG-002-06	9	0.82	streambank	moderate	900
82-BG-011	4	0.41	fill	moderate	888
82-RN-005	16	1.39	cutbank	moderate	800
82-BR	27	2.72	fill	moderate	740
82-RC-031	12	0.92	fill	moderate	680
82-CS	8	0.78	streambank	moderate	600
82-RN-005	11	1.06	cutbank	moderate	600
82-BR-021	13	1.25	fill	moderate	550
82-RN-005	9	0.84	fill	moderate	500
82-BR	39	3.85	fill	moderate	500
82-MS	12	1.15	fill	moderate	475
82-SM-052	15	1.55	fill	moderate	450
82-BR-021	27	2.68	fill	moderate	410
82-RN-005	12	1.10	cutbank	moderate	400
82-PG-049	7	0.73	fill	moderate	400
82-RN-005	5	0.44	fill	moderate	370
82-CC-006	5	0.45	fill	moderate	370
82-CC-006	6	0.60	fill	moderate	330
82-NF-029-27	4	0.39	fill	moderate	320
82-DC-008	1	0.08	streambank	moderate	300
82-RG-002-06	8	0.76	streambank	moderate	300
82-FG	8	0.69	unknown	moderate	278
82-MS-003	4	0.43	fill	moderate	259
82-RC-031	9	0.80	fill	moderate	240
82-FG-021	1	0.04	fill	moderate	233
82-RN-005	13	1.13	fill	moderate	220
82-CS	14	1.38	streambank	moderate	200
82-DC-002-02	3	0.20	cutbank	moderate	200
82-DC-003	5	0.44	streambank	moderate	200
82-RN-005	8	0.80	cutbank	moderate	200
82-HR-009	2	0.21	cutbank	moderate	200
82-SM	24	2.31	fill	moderate	200
82-BR-021	28	2.74	cutbank	moderate	200
82-CS-003	2	0.18	fill	moderate	180
82-NF-029	25	2.49	fill	moderate	180
82-PG	41	4.14	cutbank	moderate	100
82-NF-005	3	0.32	fill	moderate	100
82-DC-007	1	0.12	streambank	moderate	80
82-BG-011	3	0.31	fill	moderate	70
82-MS-025	10	1.04	fill	moderate	37
82-SR-041	5	0.50	fill	moderate	20
82-SR-041	6	0.53	fill	moderate	20
82-RN-018	9	0.87	cutbank	moderate	0
82-MS	9	0.90	unknown	moderate	0
82-MS-025	11	1.12	unknown	low	1900
82-DC-002	5	0.44	fill	low	1300
82-BG	2	0.22	fill	low	1296
82-CC-006	4	0.35	fill	low	1180
82-RC-003-09	2	0.09	fill	low	1100
82-SR-045	2	0.16	cutbank	low	610
82-SR-045	3	0.31	cutbank	low	518
82-DC-003	4	0.36	streambank	low	500
82-SM-025	1	0.04	cutbank	low	500
82-BV-043	5	0.50	fill	low	475
82-RG-032	2	0.23	cutbank	low	467
82-RG-024-03	5	0.40	fill	low	446
82-BV-043	4	0.39	fill	low	415
82-BV-043	9	0.90	fill	low	415
82-CS	16	1.56	streambank	low	380
82-SR-061	2	0.20	fill	low	370
82-BR-008-01	3	0.31	fill	low	370
82-SR-041	2	0.18	fill	low	324
82-CS	15	1.53	cutbank	low	300
82-DC-002	4	0.35	fill	low	300
82-BR-008-01	4	0.32	fill	low	290
82-RN-005	4	0.37	cutbank	low	250

Navarro West Roadslides

Road Number	Site #	Mile Post	Roadslide Type	Treatment Immediacy	Controllable Volume (yd ³)
82-GP-123	10	1.05	fill	low	240
82-RG-024-03	6	0.44	cutbank	low	238
82-RN-005	6	0.48	cutbank	low	230
82-GP-123	7	0.69	fill	low	230
82-BR-008	16	1.58	fill	low	230
82-CS	17	1.60	streambank	low	220
82-RC-031	10	0.84	fill	low	220
82-EN-026	2	0.22	cutbank	low	220
82-RN-005	7	0.54	fill	low	200
82-RG-002-06	10	0.92	streambank	low	200
82-SC-049	2	0.20	fill	low	200
82-GP-123	11	1.10	undetermined	low	190
82-SR-019-07-02	2	0.22	fill	low	190
82-RG-009	1	0.06	fill	low	185
82-RN-005	14	1.23	cutbank	low	180
82-GP-075	3	0.30	fill	low	170
82-RN-005	10	0.90	cutbank	low	160
82-DC	7	0.69	streambank	low	150
82-BR-008	13	1.34	fill	low	150
82-RG-009-05	1	0.07	fill	low	148
82-RC-031	6	0.53	fill	low	140
82-BV-075	1	0.05	cutbank	low	120
82-BV-075	2	0.08	cutbank	low	120
82-BV-075	3	0.12	cutbank	low	120
82-BP-027	16	1.59	fill	low	120
82-RC-003-09	1	0.05	fill	low	110
82-BP-024	4	0.41	fill	low	110
82-RC-031	8	0.76	cutbank	low	100
82-BG-011	8	0.79	fill	low	100
82-FG-031-05	4	0.38	unknown	low	100
82-SC	45	4.47	streambank	low	100
82-SR-006-15	1	0.05	fill	low	90
82-EN-035	1	0.12	fill	low	90
82-EN-035-05-01	1	0.04	cutbank	low	90
82-RG-032	1	0.08	cutbank	low	89
82-BR-032-02	3	0.34	fill	low	85
82-RG-024-03	3	0.31	fill	low	83
82-DC	5	0.52	streambank	low	80
82-RC	27	2.72	fill	low	80
82-RC-026	3	0.26	fill	low	80
82-CC-022	1	0.11	fill	low	80
82-NF-029	6	0.53	fill	low	80
82-EN-035	3	0.27	fill	low	80
82-SR-079-03	1	0.11	fill	low	75
82-EN	7	0.74	fill	low	75
82-NF-029	5	0.50	fill	low	70
82-RG-024-03	4	0.34	cutbank	low	70
82-FG-004-02	4	0.44	fill	low	55
82-DC-002-02	2	0.18	cutbank	low	50
82-RN-005	17	1.42	cutbank	low	50
81-BC	34	3.36	cutbank	low	50
82-SR	22	2.24	fill	low	50
82-SM-025	5	0.51	cutbank	low	37
82-BP-024	6	0.49	fill	low	36
82-RN-005	15	1.37	cutbank	low	30
82-SR-052-04	2	0.19	cutbank	low	30
82-SR-059-12	6	0.64	fill	low	20
82-SR-052	8	0.84	cutbank	low	20
82-LB-004	2	0.17	cutbank	low	20
82-MS-025	9	0.87	unknown	low	20
82-PG	42	4.22	cutbank	low	15
82-SR	28	2.79	fill	low	15
82-RG-024	4	0.45	fill	low	5
82-CS-018	2	0.24	cutbank	low	0
82-RN-018	10	0.95	cutbank	low	0
82-BR-016	1	0.11	fill	low	0
82-GP-123	8	0.72	cutbank	low	0
82-SM	36	3.58	cutbank	low	0
82-SM-025	13	1.35	fill	low	0
82-SM-033	1	0.12	fill	low	0
82-SM-044	2	0.25	cutbank	low	0
82-SM-052-02	1	0.05	fill	low	0
82-SM-052-02	2	0.15	fill	low	0
82-GP-089	3	0.27	cutbank	low	0
82-MP	10	1.03	cutbank	low	0
82-MP-013	1	0.12	cutbank	low	0
82-NF-029-27	7	0.66	cutbank	low	0
82-RC	5	0.49	fill	low	0
82-RC-031	11	0.87	fill	low	0
82-RC-031	5	0.47	cutbank	low	0
82-BV-079	8	0.76	cutbank	low	0

Navarro West Roadslides

Road Number	Site #	Mile Post	Roadslide Type	Treatment Immediacy	Controllable Volume (yd ³)
82-NF-005	5	0.47	cutbank	low	0
82-NF-005	6	0.54	cutbank	low	0
82-NF-029-13	11	1.10	cutbank	low	0
82-NF-029-13	12	1.21	cutbank	low	0
82-NF-029-13	16	1.61	cutbank	low	0
82-SR-006-11	2	0.22	cutbank	low	0
82-MG-003	10	1.01	cutbank	low	0
82-MG-003	6	0.55	cutbank	low	0
82-RG-024-03-01	1	0.06	cutbank	low	0
82-BP-024	10	0.96	fill	low	0
82-BP-024	5	0.47	cutbank	low	0
82-BP-027	17	1.66	unknown	low	0
82-FG	23	2.29	unknown	low	0
82-FG	6	0.55	cutbank	low	0
82-FG-027	3	0.29	unknown	low	0
82-FG-031	8	0.77	cutbank	low	0
82-FG-031	9	0.88	cutbank	low	0
82-MS	16	1.63	cutbank	low	0
82-MS	5	0.52	fill	low	0
82-MS	6	0.55	fill	low	0
82-MS-003	2	0.19	fill	low	0
82-MS-020	3	0.34	unknown	low	0
82-MS-020-05	1	0.11	fill	low	0
82-SR	68	6.77	cutbank	none	0
82-NF-005	4	0.40	cutbank	none	0
82-NF-029-07	1	0.15	cutbank	none	0
82-NF-029-13	10	1.02	cutbank	none	0
82-SR-006	3	0.35	cutbank	none	0
82-FG	18	1.84	unknown	none	0
82-MS	11	1.11	fill	none	0
82-SC-049	1	0.07	fill	none	0
82-PG	19	1.92	cutbank	undetermined	0
82-BP-027	13	1.31	undetermined	undetermined	0
82-BP-027	14	1.34	undetermined	undetermined	0
82-BP-027	15	1.38	undetermined	undetermined	0
82-SC	14	1.44	undetermined	undetermined	0
82-SC	15	1.48	undetermined	undetermined	0

Navarro West Other Erosion Sites

Road Number	Site #	Mile Post	Erosion Type	Treatment Immediacy	Controllable Erosion (yd^3)
82-CC-004	9	0.59	gully	high	1400
82-HR-015-04	1	0.02	gully	high	60
82-BG-011	4	0.38	gully	moderate	1300
82-CC-004	10	0.87	gully	moderate	650
82-BR-032-02	5	0.54	gully	moderate	560
82-DC-003	2	0.22	gully	moderate	500
82-BG-011	7	0.69	gully	moderate	400
82-CS	8	0.78	gully	moderate	340
82-CC-004	8	0.53	gully	moderate	300
82-NF-019-01-01	3	0.24	gully	moderate	210
82-RN-005	4	0.40	gully	moderate	200
82-BV-079	1	0.12	gully	moderate	200
82-BP-024	4	0.42	gully	moderate	200
82-GP-123	11	0.99	gully	moderate	190
82-BR-021	17	1.66	gully	moderate	160
82-CC-004	5	0.39	gully	moderate	150
82-FG	9	0.91	gully	moderate	133
82-BR-021	2	0.21	major rilling	moderate	125
82-CC-004	6	0.44	gully	moderate	100
82-BG-013	10	0.97	gully	moderate	100
82-RC-003-09	1	0.07	gully	moderate	60
82-RC-003	7	0.73	gully	moderate	50
82-CC-004	7	0.52	gully	moderate	50
82-CC-006	4	0.37	gully	moderate	20
82-GP-123	1	0.11	undetermined	low	400
82-GP-123	5	0.49	gully	low	300
82-MG-033	8	0.82	major rilling	low	300
82-MS-025	10	0.96	gully	low	300
82-NF-019-01-01	4	0.30	gully	low	260
82-GP-123	10	0.93	gully	low	200
82-NF-019-01-01	1	0.02	gully	low	150
82-BR-032-02	4	0.38	gully	low	110
82-GP-123	6	0.57	gully	low	110
82-GP-123	9	0.86	major rilling	low	90
82-NF-019-01-01	2	0.06	gully	low	90
82-DH	4	0.44	major rilling	low	75
82-BG	1	0.06	gully	low	74
82-CS	9	0.90	gully	low	60
82-RN-005	11	1.11	gully	low	60
82-BR-008-08	1	0.09	major rilling	low	50
82-GP-123	7	0.68	gully	low	50
82-BR-032-02	6	0.61	gully	low	43
82-BG-013	7	0.66	gully	low	40
82-RN-005	14	1.38	gully	low	30
82-BR-021-18	1	0.01	gully	low	30
82-SM-025	21	2.09	gully	low	25
82-SR-079-03	1	0.09	major rilling	low	25
82-BV-079	9	0.88	gully	low	25
82-RG-002-06	5	0.51	gully	low	25
82-BP-024	10	1.00	gully	low	25
82-CS	2	0.21	gully	low	20
82-BR	18	1.83	gully	low	20
82-EN	58	5.78	gully	low	20
82-SR-052	3	0.29	gully	low	15
82-CC	9	0.93	gully	low	15
82-CC-004	4	0.37	gully	low	15
82-HR-003	1	0.06	gully	low	10
82-BR	15	1.46	gully	low	10
82-CC-006	2	0.19	gully	low	10
82-DH-005-03	2	0.16	gully	low	10
82-RG-002-06	3	0.34	gully	low	10
82-FG	3	0.31	major rilling	low	10
82-BR-021-17	1	0.03	gully	low	9
82-BR-021	18	1.68	gully	low	7
82-DC-002	1	0.05	major rilling	low	5
81-BV-129	5	0.53	major rilling	low	5
82-RG-012	1	0.07	gully	low	5
82-DH-018	3	0.26	gully	low	1
82-RN-005	1	0.01	gully	low	0
82-RN-005	2	0.07	major rilling	low	0
82-SM	2	0.17	gully	low	0
82-SM-025-07	3	0.31	major rilling	low	0
82-SM-025-07	4	0.37	major rilling	low	0
82-GP-089	1	0.07	major rilling	low	0
82-GP-089	2	0.12	major rilling	low	0
82-SR-041	3	0.27	gully	undetermined	15
82-PG	3	0.33	undetermined	undetermined	0
82-BP-027	11	1.05	major rilling	undetermined	0
82-MS-003-09	3	0.25	undetermined	undetermined	0

Culvert Sizing Analysis for Navarro West Watercourse Culverts

Mean Annual Precipitation (in.)

Road Number	Site #	Culvert Diameter (in)	Area (ac)	40					
				50 year flood (cfs)	100 year flood (cfs)	50 yr Culvert Size (in)	100 yr Culvert Size (in)	50 yr pass	100 yr pass
82-BC	c16	24	35.6	24	26	30	30	NO	NO
82-BC	c18	18	16.5	12	13	24	24	NO	NO
82-BG	c4	24	54.1	34	37	30	36	NO	NO
82-BG-011	c10	18	19.1	14	15	24	24	NO	NO
82-BG-013	c8	18	11.6	9	10	24	24	NO	NO
82-BG-013	c7	18	11.5	9	10	24	24	NO	NO
82-BP	c9	24	32.3	22	24	30	30	NO	NO
82-BP	c9	24	31.9	22	23	30	30	NO	NO
82-BR	c9	18	27.7	19	21	30	30	NO	NO
82-BR	c9	24	78.5	48	51	36	42	NO	NO
82-BR	c9	18	12.5	10	10	24	24	NO	NO
82-BR	c9	0	11.7	9	10	24	24	NO	NO
82-BR	c9	0	6.5	5	6	18	18	NO	NO
82-BR	c9	18	36.2	24	26	30	30	NO	NO
82-BR	c9	12	8.5	7	7	18	18	NO	NO
82-BR	c9	24	58.6	37	40	36	36	NO	NO
82-BR-021	c39	18	21.8	16	17	24	24	NO	NO
82-BR-021	c39	18	20.5	15	16	24	24	NO	NO
82-BR-021	c39	18	46.2	30	32	30	30	NO	NO
82-BR-021	c39	18	36.2	24	26	30	30	NO	NO
82-BR-021	c39	18	34.0	23	25	30	30	NO	NO
82-BR-021	c39	24	33.2	23	24	30	30	NO	NO
82-BR-021	c39	18	36.4	24	26	30	30	NO	NO
82-BR-021	c39	0	18.1	13	14	24	24	NO	NO
82-BR-021-28	c2	18	66.4	41	44	36	36	NO	NO
82-BR-032	c3	18	17.3	13	14	24	24	NO	NO
82-BR-032	c3	18	18.2	13	14	24	24	NO	NO
82-CC	c6	12	15.2	11	12	24	24	NO	NO
82-CC-002	c8	18	13.0	10	11	24	24	NO	NO
82-CC-006	c8	30	338.0	170	183	60	60	NO	NO
82-CR-013	c4	12	8.7	7	8	18	18	NO	NO
82-CR-013	c4	18	11.1	9	9	24	24	NO	NO
82-DH-005	c9	36	131.0	74	80	42	42	NO	NO
82-EN	c8	18	14.3	11	12	24	24	NO	NO
82-EN	c8	18	38.0	25	27	30	30	NO	NO
82-EN	c8	18	21.0	15	16	24	24	NO	NO
82-EN-009	c9	18	15.7	12	13	24	24	NO	NO
82-EN-016	c1	14	2.7	3	3	18	18	NO	NO
82-EN-026	c4	18	13.0	10	11	24	24	NO	NO
82-HR	c1	33	66.6	41	44	36	36	NO	NO
82-HR	c1	48	208.9	112	120	54	54	NO	NO
82-HR	c1	19	10.9	9	9	24	24	NO	NO
82-HR	c1	18	16.0	12	13	24	24	NO	NO
82-HW	c2	18	15.1	11	12	24	24	NO	NO
82-HW	c2	12	7.8	6	7	18	18	NO	NO
82-HW	c2	60	472.9	227	245	72	72	NO	NO
82-HW-014	c3	16	3.8	3	4	18	18	NO	NO
82-HW-014	c3	12	3.3	3	3	18	18	NO	NO
82-LB-017	c3	12	2.7	3	3	18	18	NO	NO
82-MG	c6	18	11.3	9	9	24	24	NO	NO
82-MS-003	c9	18	15.5	12	13	24	24	NO	NO
82-MS-003-08	c5	24	36.2	24	26	30	30	NO	NO
82-MS-020	c7	18	12.6	10	10	24	24	NO	NO
82-MS-020	c7	24	69.2	43	46	36	36	NO	NO
82-MS-020	c7	18	14.8	11	12	24	24	NO	NO
82-MS-020	c7	18	10.8	9	9	24	24	NO	NO
82-MS-020	c7	24	31.8	22	23	30	30	NO	NO
82-MS-020	c7	18	18.9	14	15	24	24	NO	NO
82-MS-020	c7	18	11.3	9	10	24	24	NO	NO
82-MS-025	c2	18	18.3	13	14	24	24	NO	NO
82-MS-025	c2	12	38.5	26	28	30	30	NO	NO
82-MS-025-06	c8	12	7.7	6	7	18	18	NO	NO
82-NF	c1	48	1136.8	488	525	72	72	NO	NO
82-NF	c1	36	123.3	71	76	42	42	NO	NO
82-NF	c1	18	17.0	13	14	24	24	NO	NO
82-NF	c1	18	11.5	9	10	24	24	NO	NO
82-NF-019	c9	36	113.3	66	71	42	42	NO	NO
82-NR-048	c4	24	38.8	26	28	30	30	NO	NO
82-NR-106	c1	0	11.4	9	10	24	24	NO	NO
82-PG	c9	18	510.3	243	262	72	72	NO	NO
82-PG	c9	24	73.3	45	48	36	36	NO	NO
82-PG	c9	18	35.8	24	26	30	30	NO	NO

Navarro West Culvert Sizing

Road Number	Site #	Culvert Diameter (in)	Area (ac)	50 year flood (cfs)	100 year flood (cfs)	50 yr Culvert Size (in)	100 yr Culvert Size (in)	50 yr pass	100 yr pass
82-PG	c9	18	16.2	12	13	24	24	NO	NO
82-PG	c9	18	68.2	42	45	36	36	NO	NO
82-PG	c9	36	184.8	100	108	48	48	NO	NO
82-PG-041	c46	18	14.7	11	12	24	24	NO	NO
82-PG-049-04	c3	24	27.0	19	20	30	30	NO	NO
82-RC	c2	24	48.3	31	34	30	30	NO	NO
82-RC	c2	18	11.4	9	10	24	24	NO	NO
82-RC	c2	18	16.8	12	13	24	24	NO	NO
82-RC	c2	24	42.3	28	30	30	30	NO	NO
82-RC-022	c9	18	11.3	9	9	24	24	NO	NO
82-RC-026	c1	18	12.9	10	11	24	24	NO	NO
82-RC-026	c1	18	13.7	10	11	24	24	NO	NO
82-RG-002	c9	6	15.3	11	12	24	24	NO	NO
82-SC	c3	18	22.3	16	17	24	24	NO	NO
82-SC	c3	24	38.9	26	28	30	30	NO	NO
82-SC	c3	12	2.4	2	2	18	18	NO	NO
82-SC	c3	18	34.4	23	25	30	30	NO	NO
82-SC	c3	24	37.1	25	27	30	30	NO	NO
82-SC	c3	18	32.8	22	24	30	30	NO	NO
82-SC-048	c9	24	70.8	44	47	36	36	NO	NO
82-SC-048	c9	24	70.8	44	47	36	36	NO	NO
82-SC-049	c9	18	11.7	9	10	24	24	NO	NO
82-SC-049	c9	18	25.0	18	19	24	30	NO	NO
82-SC-049	c9	18	55.4	35	38	36	36	NO	NO
82-SC-049	c9	0	4.1	4	4	18	18	NO	NO
82-SC-049	c9	24	63.6	40	43	36	36	NO	NO
82-SM	c9	24	36.4	24	26	30	30	NO	NO
82-SM	c9	24	36.7	25	26	30	30	NO	NO
82-SM	c9	18	33.5	23	24	30	30	NO	NO
82-SR	c6	18	13.6	10	11	24	24	NO	NO
82-SR	c6	24	56.8	36	39	36	36	NO	NO
82-SR	c6	24	175.9	96	104	48	48	NO	NO
82-SR-052	c4	18	31.6	22	23	30	30	NO	NO
82-T4	c1	18	11.4	9	10	24	24	NO	NO
82-T4	c1	18	45.7	30	32	30	30	NO	NO
82-T4-017	c9	18	16.1	12	13	24	24	NO	NO
82-T4-017	c9	18	23.2	16	18	24	24	NO	NO
82-BG	c10	24	24.5	17	19	24	30	YES	NO
82-FG	c1	18	10.5	8	9	18	24	YES	NO
82-HW-012	c5	24	24.6	17	19	24	30	YES	NO
82-LB-017	c3	18	10.3	8	9	18	24	YES	NO
82-RC	c2	18	10.7	8	9	18	24	YES	NO
82-RC	c2	18	10.5	8	9	18	24	YES	NO
82-SC	c3	48	199.4	107	115	48	54	YES	NO