



Tahoe Integrated Information Management System

TIIMS

**Presented by:
Dave Roberts
Lahontan RWQCB**

Tahoe Integrated Information Management System (TIIMS)

TIIMS
Tahoe Integrated Information Management System
Your Information Source for Lake Tahoe Restoration and Planning

Search [] Advanced Search | TIIMS Clearinghouse

General Information

- ▶ Lake Tahoe at a Glance
- ▶ Current Issues
- ▶ Lake Tahoe Report
- ▶ Visitors
- ▶ Teachers & Students
- ▶ Citizen Monitoring
- ▶ Get Involved!

Basin Topics

About Basin Topics

- ▶ Air
- ▶ Demography & Economy
- ▶ Fisheries
- ▶ Geology and Soils
- ▶ Land Use
- ▶ Meteorology
- ▶ Noise
- ▶ Recreation
- ▶ Scenic Quality
- ▶ Transportation
- ▶ Vegetation
- ▶ Water
- ▶ Wildlife

Restoration Projects & Planning Initiatives

- ▶ Environmental Thresholds & Carrying Capacities
- ▶ Environmental Improvement Program
- ▶ Best Management Practices
- ▶ Pathway 2007

Lake Tahoe Work Groups & Organizations

- ▶ Lake Tahoe Agencies & Organizations
- ▶ Lake Tahoe Work Groups
- ▶ TIIMS Partners

Science & Research

TIIMS Toolbox

About TIIMS Toolbox

- ▶ Contribute
- ▶ TIIMS Data Hub
- ▶ TIIMS Workspace Portal
- ▶ TIIMS Metadata Toolkit
- ▶ Bibliographic Data Collection

Maps & Mapping

About Maps & Mapping

Site Index

Lake Tahoe Images by J.T. Ravizé

Historic Photos of Lake Tahoe

Welcome to the TIIMS Prototype!

Tahoe Integrated Information Management System

About TIIMS | Supporting TIIMS | TIIMS Partners | Using TIIMS

TIIMS is your gateway for the information you need to participate in Lake Tahoe Basin restoration and planning efforts. TIIMS is designed to serve more than the Lake Tahoe community – whether you are a resident or visitor, teacher or student, government agency or non-profit organization, research scientist or private consultant, TIIMS has the Lake Tahoe information you need.

TIIMS is more than an information repository - it is an interactive website that provides tools for users to share and manage information and data efficiently. With TIIMS, you can access monitoring data, maps, and reports and also learn how to get involved in environmental education and restoration projects in the Basin.

TIIMS provides access to data and information across a wide spectrum reflected as an information pyramid. TIIMS includes the ability for agencies and organizations to collaborate and coordinate their planning and restoration efforts in the Lake Tahoe Basin through the TIIMS workspaces.

Through TIIMS, you can:

- Learn about Lake Tahoe Basin efforts through the introductory educational materials, presentations and publications.
- Browse by Basin Topics and Restoration Projects and Planning Initiatives for more in-depth comprehensive information.
- Search and discover Basin Organizations, **TIIMS Partners** and the key people involved in restoration efforts.
- Find documents, data sets and more using the Basic (see above) and **Advanced Search Engines**.
- Find Lake Tahoe planning and restoration events and meetings using the **TIIMS calendar**.
- Download and analyze monitoring data including live data from the **TIIMS Database Hub**.
- Map data online using the **GIS mapping tool**.
- Find **GIS Metadata** and **GIS Data and Documents** with our **Metadata Search Engine**.
- Collaborate and coordinate with others using the **TIIMS Workspace Portal**.
- Contribute data using the **TIIMS Metadata Toolkit** and online bibliographic collaboration tool, and
- Learn how you can **get involved** in restoration and planning efforts within the Lake Tahoe Basin!

The system was developed after conducting an extensive requirements analysis to determine user's needs and priorities. This is the Prototype. It will be further refined based on user feedback. Please help ensure that TIIMS will meet your information and data needs by taking a moment to complete the **TIIMS User Survey**. Read **About TIIMS** for more information about how TIIMS evolved.

Don't forget to bookmark this page and visit us often to learn about the latest developments!

View All Calendars

[]

Go

Browse Entire Directory

Teachers & Students

Maps & Mapping

Metadata Toolkit

TIIMS Data Hub

Quick Feedback

Did you find what you were looking for?

Yes

No

Please Explain

[]

Submit

TIIMS User Survey

TIIMS Glossary

tiims.org

Why is TIIMS Important to Lake Tahoe?

- Good decisions are based on good information and good information is based on good data.
- Information hard to locate and access
- Data quality sometimes uncertain
- Data gaps make analyses more difficult
- Lack of effective integration of data

TIIMS: Supporting Policy Development

- **Improve intra-agency and cross-agency communication and coordination**
- **Information available for decision makers in near real time**
- **Identify and target protection/restoration priorities and resource allocation**
- **Develop and track projects to improve coordination**
- **Educate decision-makers and general public**
- **Over time, cost savings and more resources available for other projects/initiatives**

TIIMS enables information/data discovery and access

TIIMS Metadata System
Tahoe Integrated Information Management System

TIIMS Advanced Search

Search For: [USFS]

Search By: [Organization]

Bounding Coordinates

Locate within defined area

Locate outside defined area

Note: Bounding Coordinates only apply to documents.

Free-Text Search

Search results for: "usfs" Searching: Organization

Click title for document details

Title	URL/Abstract
Sierra Nevada Forest Plan Amendment	http://www.fs.fed.us/r5/snf/... Abstract: The Draft SEIS presents a...
Lake Tahoe Watershed Assessment	http://www.fs.fed.us/psw/publications/documents/igt-175/ Abstract: The seven-chapter report presents new and existing information in subject areas pertinent to policy development and land and resource management in the basin, including environmental history, air quality, watershed dynamics and water quality, biological integrity, and socioeconomic conditions.

Query Results (Abstracts)

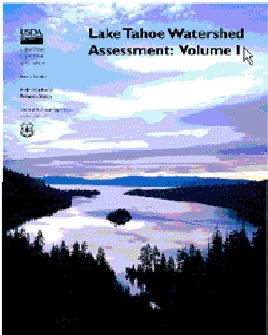
Non-Geospatial Full Result

Title:	Lake Tahoe Watershed Assessment
URL:	http://www.fs.fed.us/psw/publications/documents/igt-175/
Author:	
Publication Date:	3/1/2000
Information Type:	Document
Organization/Originator:	U.S. Forest Service (USFS), Basin and Range Division, Unit (L...)
Other Originators:	Desert Southwest Region, Agency University, California Tahoe Regional Agency, Nevada Extension
Target Audience:	General

Record Detail

All files are PDF; you need Acrobat Reader to view them. [Download Acrobat Reader](#)

Lake Tahoe Watershed Assessment



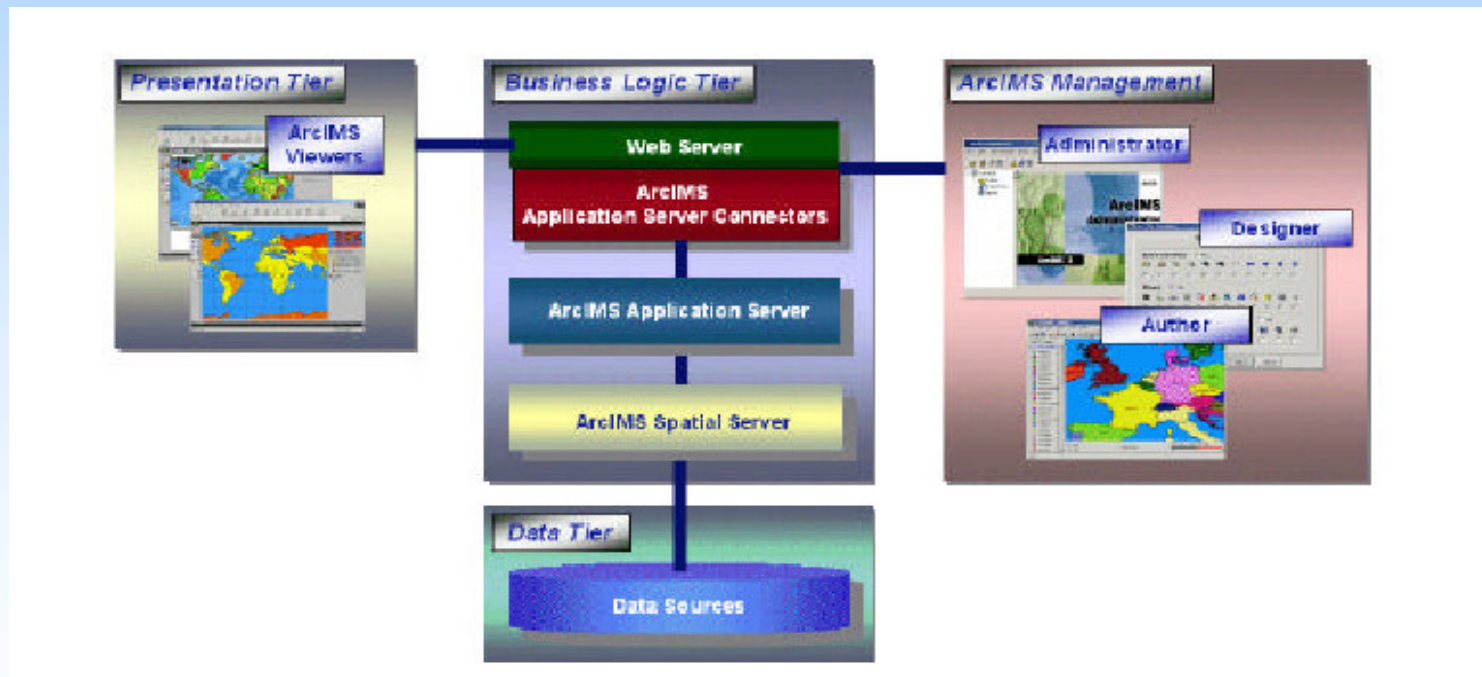
Dennis D. Murly and Christopher M. Knapp, Editors

Contents

VOLUME I












Document

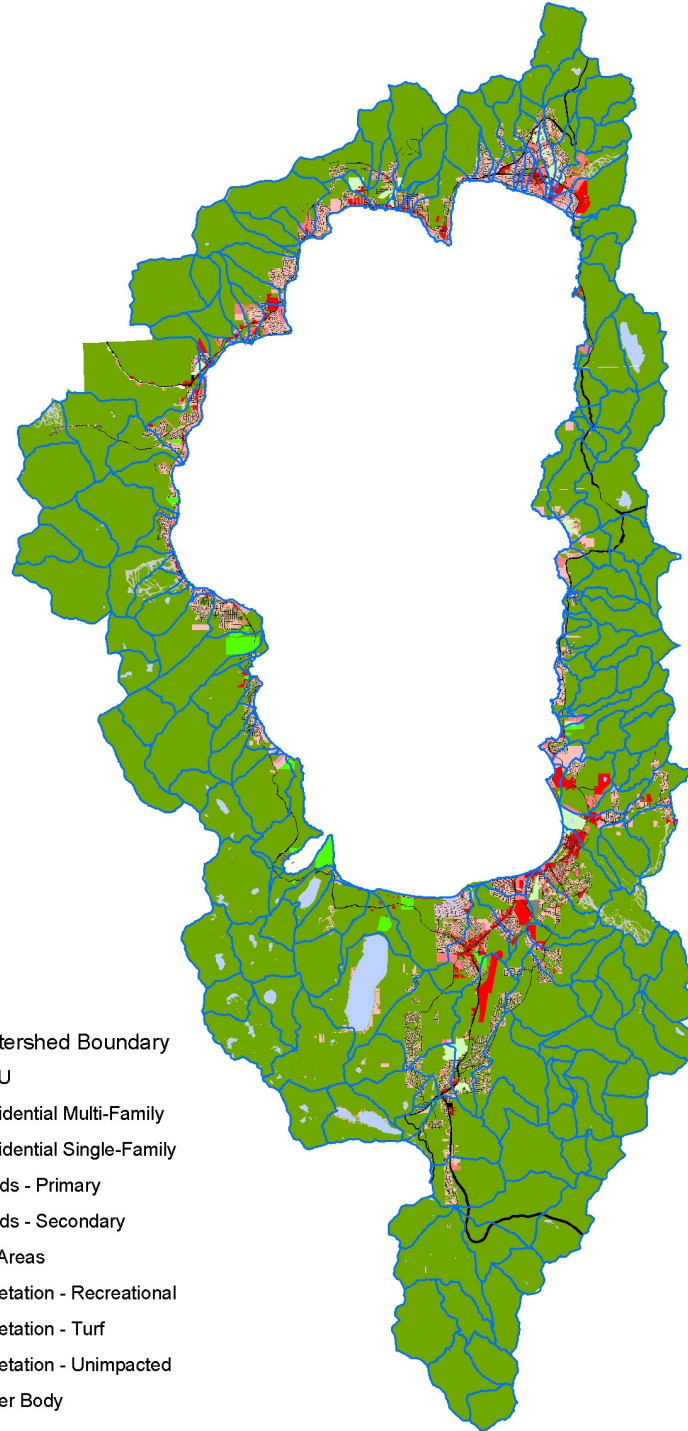
ARC Internet Map Server

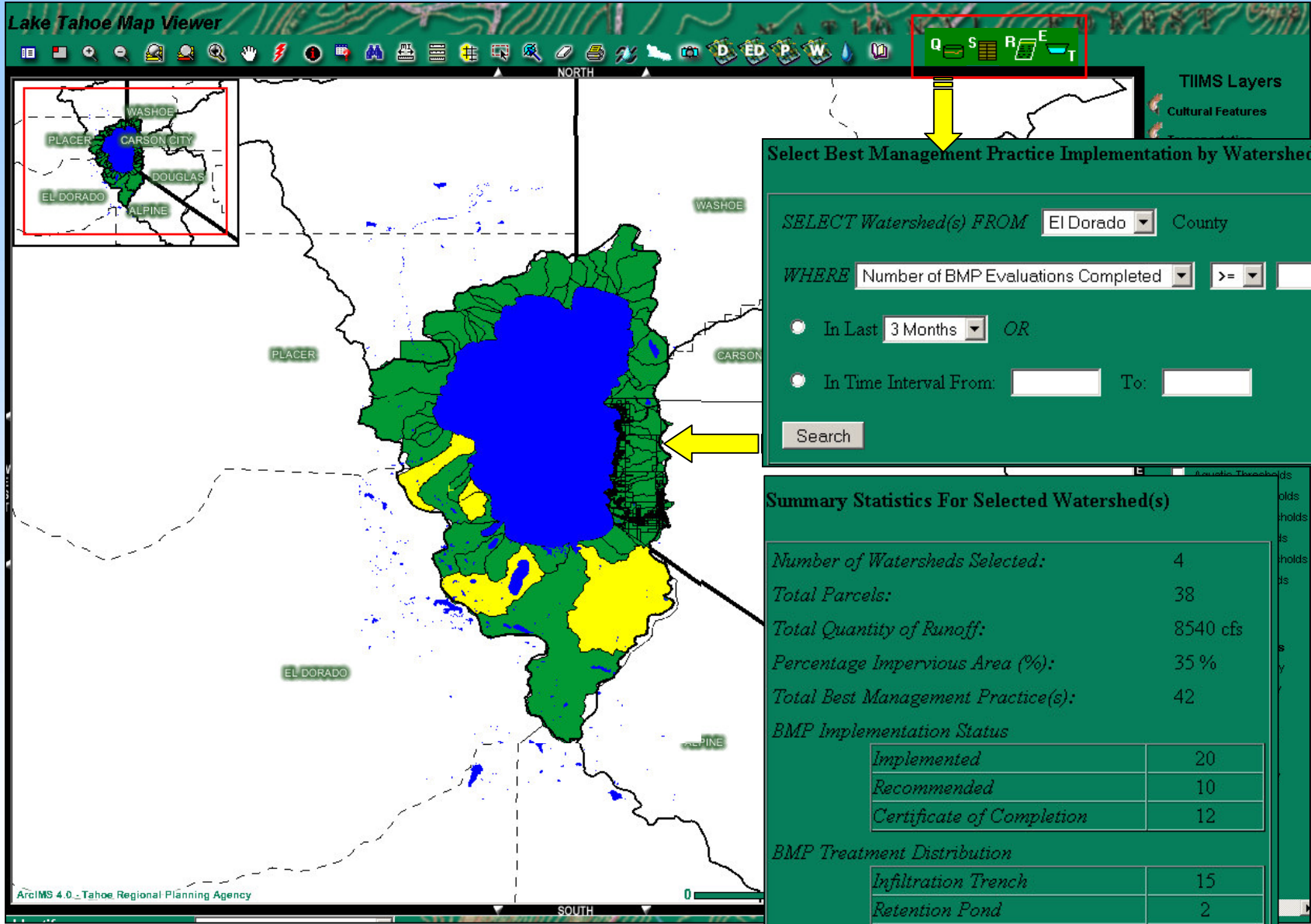




Legend

-  Watershed Boundary
-  CICU
-  Residential Multi-Family
-  Residential Single-Family
-  Roads - Primary
-  Roads - Secondary
-  Ski Areas
-  Vegetation - Recreational
-  Vegetation - Turf
-  Vegetation - Unimpacted
-  Water Body





Select Best Management Practice Implementation by Watershed

SELECT Watershed(s) FROM El Dorado County

WHERE Number of BMP Evaluations Completed >=

In Last 3 Months *OR*

In Time Interval From: To:

Summary Statistics For Selected Watershed(s)

<i>Number of Watersheds Selected:</i>	4
<i>Total Parcels:</i>	38
<i>Total Quantity of Runoff:</i>	8540 cfs
<i>Percentage Impervious Area (%):</i>	35 %
<i>Total Best Management Practice(s):</i>	42
<i>BMP Implementation Status</i>	
<i>Implemented</i>	20
<i>Recommended</i>	10
<i>Certificate of Completion</i>	12
<i>BMP Treatment Distribution</i>	
<i>Infiltration Trench</i>	15
<i>Retention Pond</i>	2
<i>Vegetative Swale</i>	18
<i>Dry Well</i>	7

Lake Tahoe Map Viewer

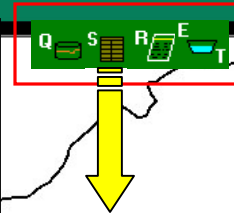


Watershed Information

Total Parcels in Selected Watershed:	4
Total Quantity of Runoff:	3500 cfs
Percentage Impervious Area (%):	35 %
Total Best Management Practice(s):	10

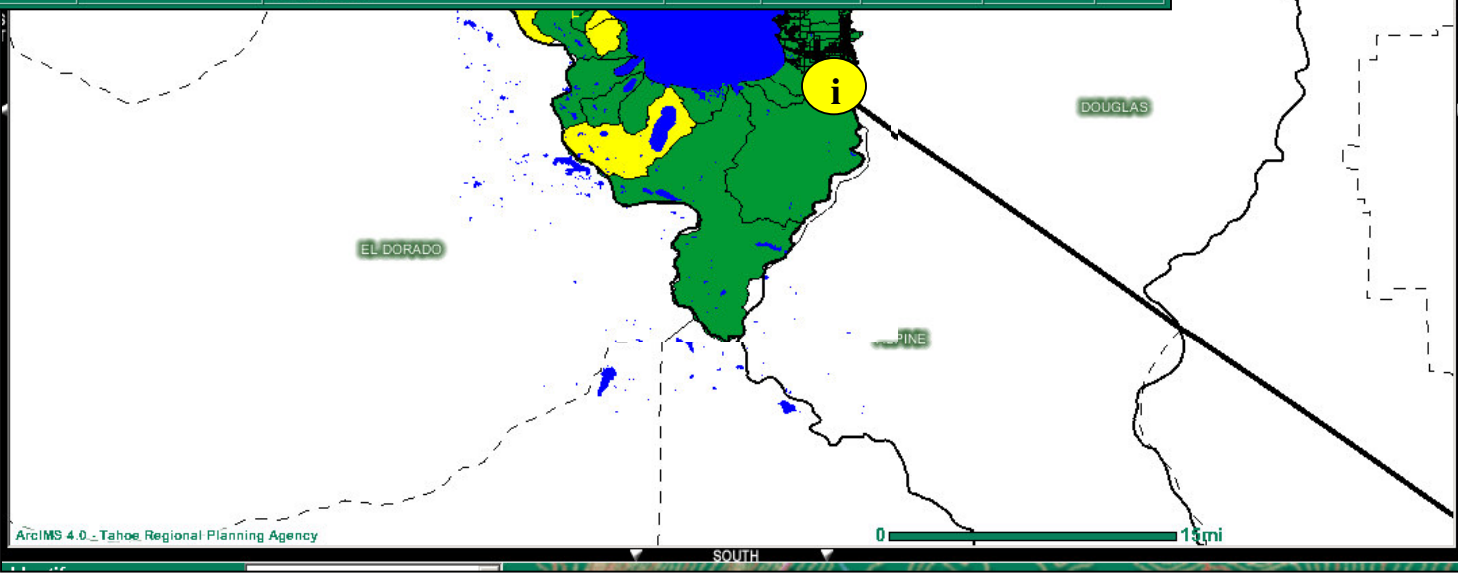
Summary Information for Parcels in Selected Watershed

APN	Owner	Address	Area (sq. ft.)	Runoff (cfs)	% Impervious	Total BMP(s)	Details
094-222-013	Richard & Donna Caravelli	530 Virginia Drive, Tahoe City, El Dorado County, CA - 98331	2500	380	42%	3	View
094-222-122	Jane S.	123 Florida Lane, Reno City, El Dorado County, CA - 98321	1890	280	23%	4	View
094-222-435	John Thomas	568 Main Street, Reno City, El Dorado County, CA - 99909	2120	320	31%	2	View
094-232-563	Bernie Robinson	28 Frank Street, Reno City, El Dorado County, CA - 98888	4300	560	19%	1	View



TIIMS Layers

- Cultural Features**
- Transportation**
- Hydrography**
 - USGS Gages
 - Drinking Water Sites
 - PCS Facilities
 - STORET WQ Mont. Site
 - Rivers (DLG)
 - Rivers (NHD)
 - Lakes
 - HUC
 - NV WQ Mont. Sites
 - LTIMP WQ Mont. Sites
- Meteorology**
- Land Categorization**
- Threshold Areas**
 - Aquatic Thresholds
 - Fisheries Thresholds
 - Recreation Thresholds
 - Scenic Thresholds
 - Vegetation Thresholds
 - Wildlife Thresholds
 - WQ Thresholds
 - Priority Regions
- Political Boundaries**
 - Census Boundary
 - County Boundary
 - State Boundary
- Parcel Boundaries**
 - Douglas County
 - El Dorado County
 - Placer County
 - Washoe County
- Upper Truckee**
- Imagery**



Best Management Practices (BMP) - Summary Report

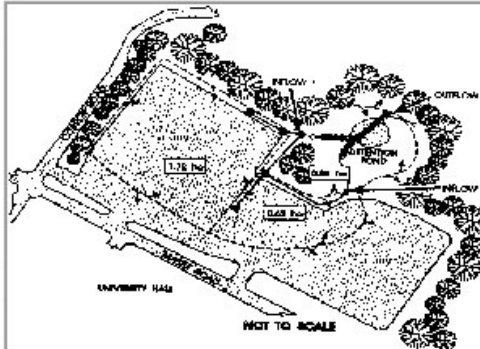
Summary Report for Assessor's Parcel Number (APN): 094-222-013

[Print Evaluation](#)

[Print Certificate](#)

Property Related Information

Assessor's Parcel Number (APN): 094-222-013
 Parcel County: Placer
 Priority Watershed: 2
 Property Owner: Richard & Donna Caravelli
 Property Address: 530 Virginia Drive, Tahoe City, CA, 96144



BMP Compliance Status

BMP Implementation Required by: NA
 Certificate Issued: YES
 Certificate Issued Date: 6/15/2003
 Certificate Number: NA
 Disclosure Date: 6/28/2003

Site Information

Survey Map Unit: TBD
 Site Square Footage (sq. ft): 4000
 Soil Permeability: 4 inch/hr
 Drainage Problem: NA
 Slope: 3.00%
 Land Capability: TBD
 SEZ/Shorezone: NA
 Elevation: 1000 ft
 Aspect: --
 Geology: NA
 Engineering Assistance Requested: YES
 Landuse: Residential
 Runoff Volume: 300 sq.ft.
 Property Under Current Permit: YES

BMP Recommendation

Area	Treatment	Quantity
A	Infiltration Trench	3 units
B	Vegetative Swale	50 sq. ft

Evaluation Information

Site Evaluation Agency: North Tahoe Conservation District
 Evaluation Requested Date: 4/9/2003
 Site Evaluation Date: 5/10/2003

Maintenance & Monitoring



Enforcement Action: YES
 Maintenance Plan: Annually
 Maintenance Type: Component Replacement
 Monitoring: YES
 Monitoring Type: Water Quality

Enter any search criteria and click "Search".

Performance Statistics

BMP Type

BMP Cost

BMP Type	Performance Statistics	List of Parcels	Cross Section
Drywell/Infiltration System	Reduction Value	View	
Infiltration Trench	Reduction Value	View	

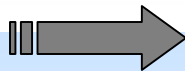
Assessor's Parcel Number (APN)	County	Property Owner	Address	BMPs Implemented
003-210-05	El Dorado	MT ROSE HY	John C Wood	<ul style="list-style-type: none"> ◆ Detention (dry) Basin ◆ Drywell System ◆ Vegetative Swale
055-032-21	Washoe	4755 STATE ROUTE 429	Karen Buren	<ul style="list-style-type: none"> ◆ Percolation Trench ◆ Stormwater Interceptor ◆ Vegetative Swale

Project Tracking Suite

Enter any search criteria to find a Parcel and click "Search".

Parcel County	Maintenance Status	Monitoring Status	BMP Implementation Status	Assessor's Parcel Number (APN)	Property Address	Homeowner Name
Douglas	Quarterly	No Plan	Completed			
Search Project						

	Property Address	BMP Recommended	BMP Implementation Status	Maintenance Due Date	Monitoring	Permitting	Enforcement	Storm Water Mitigation Fee
094-222-013	530 Virginia Drive, Tahoe City, Placer County, CA - 96144	YES	Implementation Not Complete	8/1/2004	YES - Quantitative	Under Active Permit	YES	NO
653-453-674	531 California Street, Tahoe City, Placer County, CA - 96144	YES	Implementation	02/10/2005	NO	NO	YES	NO



Property Related Information

Assessor's Parcel Number (APN): 094-222-013
 Parcel County: Placer
 Priority Watershed: 2
 Property Owner: Richard & Donna Caravelli
 Property Address: 530 Virginia Drive, Tahoe City, CA, 96144

Maintenance Status	BMP Compliance Status
Maintenance Plan: Annually	BMP Implementation Required by: NA
Maintenance Type: Component Replacement	Certificate Issued: YES
Last Maintenance Performed On: 6/31/2004	Certificate Issued Date: 6/15/2003
Next Maintenance Due On: 6/31/2005	Certificate Number: NA
	Disclosure Date: 6/28/2003
Monitoring Status	Enforcement Status
Monitoring: YES	Enforcement: YES
Monitoring Type: Water Quality	
Monitoring Location: XYZ Creek Monitoring Station	
	Storm Water Mitigation Fee Status
	Storm Water Fee Levied: YES
	Fee Amount: \$500
	Fee Due Date: 1/1/2005