

**Final
Phase I
Environmental Site Assessment
for
California Forest Highway 112 (CA FH 112)
South Fork Smith River Road**

Prepared for



**Federal Highway Administration
Central Federal Lands Highway Division
12300 West Dakota Avenue
Lakewood, Colorado 80228**

**Re: Contract No. DTFH68-02-D-00005
Task Order No. T-05-014**

April 4, 2006

Submitted by



**Science Applications International Corporation
405 Urban Street, Suite 400
Lakewood, Colorado 80228**

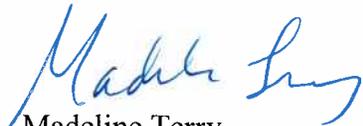
TO: Laura Ziemke
FROM: Madeline Terry
RE: Technical Edit of Draft Phase I Environmental Site Assessment for
California Forest Highway 112, South Fork Smith River Road
DATE: March 27, 2006

Prepared for
Federal Highway Administration
Central Federal Lands Highway Division

Re: Contract No. DTFH68-02-D-00005

Submitted by
Science Applications International Corporation
405 Urban Street, Suite 400
Lakewood, Colorado 80228

I have reviewed and edited the above-mentioned document on March 27, 2006.



Madeline Terry
terrymad@saic.com

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Purpose	1
1.2	Scope of Services	1
1.3	Limitations and Exceptions	3
2.0	SITE DESCRIPTION	4
2.1	Location and Legal Description	4
2.2	Survey Corridor and Vicinity General Characteristics	4
2.3	Current Use of the Survey Corridor	4
2.4	Descriptions of Structures, Roads, and Other Improvements within the Survey Corridor	6
2.5	Current Uses of Adjoining Properties	6
2.6	Descriptions of Structures, Roads, and Other Improvements on the Adjoining Properties	6
3.0	USER PROVIDED INFORMATION	7
3.1	Owner, Property Manager, and Occupant Information	7
4.0	RECORDS REVIEW	7
4.1	Standard Environmental Record Sources	7
4.2	Historical Use Information on the Property	9
5.0	SITE RECONNAISSANCE	9
5.1	Methodology and Limiting Conditions	9
5.2	General Site Setting	9
5.3	Site Reconnaissance Observations within the Survey Corridor	9
5.4	Site Reconnaissance Observations on the Periphery of the Survey Corridor	11
6.0	INTERVIEWS	12
6.1	Interviews with Owners	12
6.1.1	Pass Interview	13
6.1.2	Cross Interview	13
6.1.3	Web Interview	13
6.1.4	Saturn Interview	14
6.2	Interviews with Occupants	14
6.3	Interviews with Local Government Officials	14
6.3.1	Daniels Interview	15
6.3.2	Flannigan Interview	15
7.0	ADDITIONAL SERVICES	15
8.0	FINDINGS	17
9.0	OPINION	18
10.0	CONCLUSIONS	18
11.0	REFERENCES	19
12.0	SIGNATURE OF ENVIRONMENTAL PROFESSIONAL(S)	21
Appendix A	Environmental Data Resources, Inc. Radius Map Report	
Appendix B	Survey Corridor Photographs	
Appendix C	Sampling Event Photographs	
Appendix D	ACZ Laboratories Analytical Report	

LIST OF TABLES

	<u>Page</u>
Table 1. Lead Concentration of Samples taken at Four Bridges within the California Forest Highway 112 Survey Corridor on September 27, 2005.....	16

LIST OF FIGURES

	<u>Page</u>
Figure 1. California Forest Highway 112 Project Vicinity, Hiouchi, California.....	2
Figure 2. California Forest Highway 112 Survey Corridor Detail, Hiouchi, California	5
Figure 3. Potential Mine Tailings near the Stevens Memorial Bridge, California Forest Highway 112, Hiouchi, California	11
Figure 4. Potential Location of Two Historical Underground Storage Tanks at the Big Flat Guard Station, Six Rivers National Forest, California Forest Highway 112, Hiouchi, California	12

ACRONYMS AND ABBREVIATIONS

ASTM	American Society for Testing and Materials
CA FH 112	California Forest Highway 112
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACT	Corrective Actions Site
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FHWA	Federal Highway Administration
ICP	Inductively Coupled Plasma
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
NPL	National Priority List
OSHA	Occupational Safety and Health Administration
ppm	parts per million
PVC	polyvinyl chloride
RCRA	Resource Conservation and Recovery Act
RCRIS	RCR Information System
REC	Recognized Environmental Condition
SAIC	Science Applications International Corporation
SOW	statement of work
USDOT	U.S. Department of Transportation
UST	underground storage tank
USFS	U.S. Forest Service

1.0 INTRODUCTION

The U.S. Department of Transportation (USDOT), Federal Highway Administration Central Federal Lands Highway Division (FHWA), is proposing a reconstruction project involving California Forest Highway 112 (CA FH 112), South Fork Smith River Road. The survey corridor begins approximately 3.5 miles south of Hiouchi, CA in Del Norte County. The proposed improvements consist of replacing the bridges over Rock Creek, Boulder Creek, South Fork of the Smith River, and Hurdy Gurdy Creek, and widening the roadway through four landslide locations.

1.1 Purpose

The FHWA is proposing a reconstruction project involving CA FH 112, establishing the need to perform a Phase I Environmental Site Assessment (ESA). This report provides the results of a Phase I ESA conducted by Science Applications International Corporation (SAIC) for the CA FH 112 widening and bridge replacement (Figure 1). The purpose of this Phase I ESA is to identify recognized environmental conditions associated with the bridge replacements and widening along the survey corridor. The American Society for Testing and Materials (ASTM) Standard E 1527-00 (ASTM 2000) defines a Recognized Environmental Condition (REC) as:

“The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.”

1.2 Scope of Services

SAIC conducted the Phase I ESA (also known as a Hazardous Waste Initial Site Assessment) and prepared this report in accordance with the FHWA Statement of Work (SOW) dated March 2005 and ASTM Standard E 1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The FHWA SOW included an environmental records review per ASTM Standard and a site reconnaissance. The site reconnaissance included an onsite visual survey and an evaluation of adjoining properties to detect the presence of any RECs. SAIC conducted a driving and a pedestrian survey to observe the types of land use and nature of any structures within 300 feet (centered on the existing alignment) of CA FH 112. In addition, SAIC interviewed U.S. Forest Service (USFS) personnel familiar with the survey corridor and other local government personnel. The Phase I ESA did not include review of current or historical aerial photography or title search. SAIC also conducted lead-based paint sampling as part of this Phase I ESA.

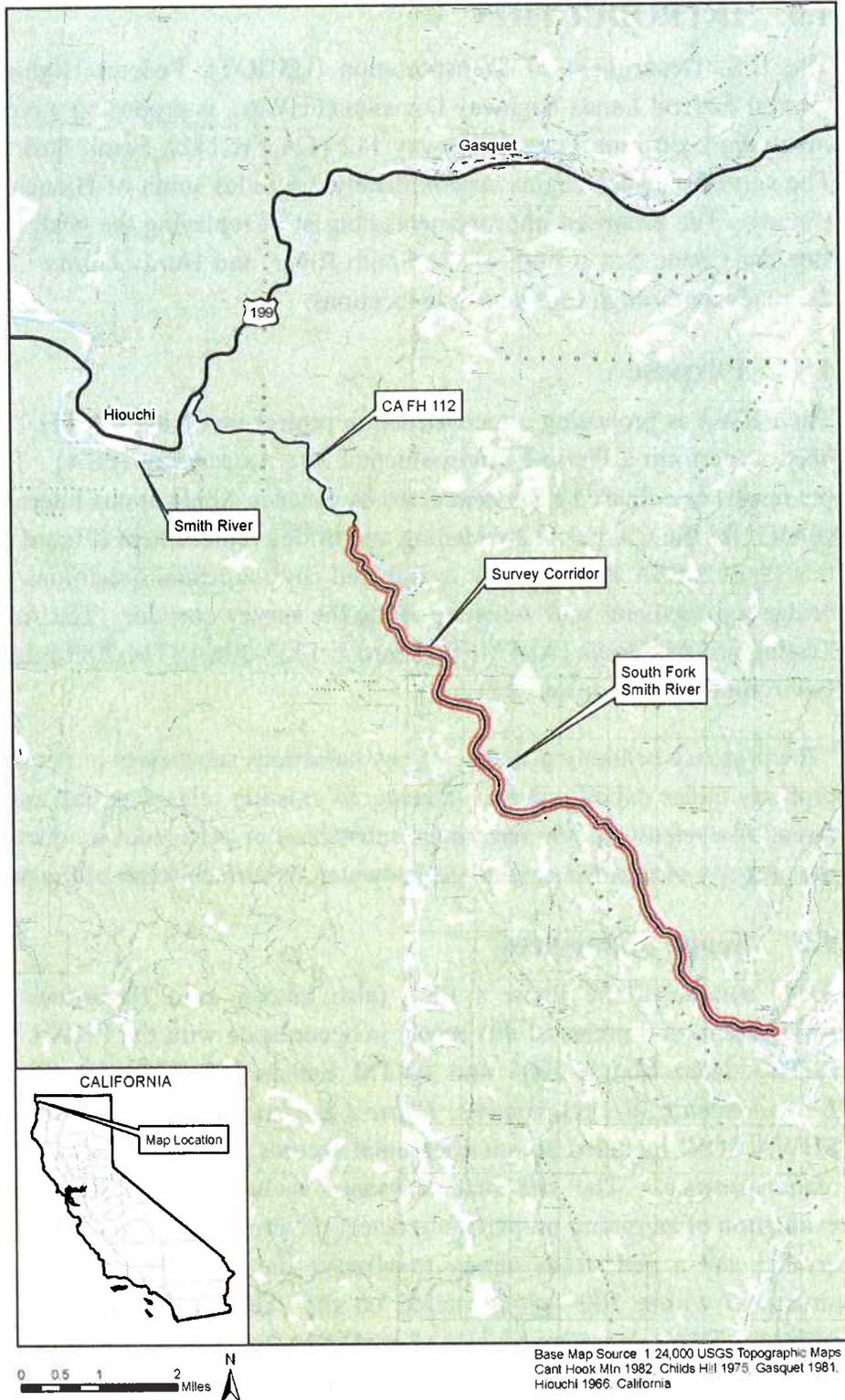


Figure 1. California Forest Highway 112 Project Vicinity, Hiouchi, California

1.3 Limitations and Exceptions

SAIC conducted this Phase I ESA in conformance with the FHWA SOW and the scope and limitations of the ASTM Practice E 1527-00. This Phase I ESA does not include an assessment of non-scope considerations, as listed in ASTM designation E 1527-00, with the exception of taking three paint samples of bridge coating from each bridge for lead-based paint analysis. SAIC collected these samples from areas readily accessible and did not need to use fall protection equipment.

In preparing this report, SAIC relied upon verbal and written information provided by secondary sources, third parties, a site reconnaissance, and interviews with regulatory agencies and persons familiar with the survey corridor. SAIC has not made any independent investigation into the accuracy or completeness of information derived from secondary sources, third parties, or interviews. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information.

The findings and recommendations in this report are professional opinions based solely on SAIC's observations of the survey corridor and the immediate vicinity and on SAIC's interpretation of readily available historical information, interviews with personnel familiar with the survey corridor, and other readily available information, as referenced in this report. Findings and recommendations presented herein apply to site conditions and features as they existed at the time of SAIC's site reconnaissance and do not apply to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

The scope of this report is limited to matters expressly addressed herein. SAIC prepared this report for the sole benefit and use of FHWA. Any other person or entity obtaining, using, or relying on this report hereby acknowledges that they do so at their own risk and that SAIC shall have no responsibility or liability for the consequences thereof. A full and complete determination as to whether or not the survey corridor is free from environmental contamination cannot be made under the scope of this assessment and SAIC is not making such a determination, either expressly or by implication, in this report.

This Phase I ESA is not intended to be a definitive investigation of all possible contamination within the survey corridor. The purpose and scope of this assessment are merely to determine if those surface areas observed on the day of the site reconnaissance along with the publicly available databases searched, provide reason to suspect possible contamination within the survey corridor. SAIC did not perform any exploratory borings or soil or groundwater sampling within the survey corridor. Observations made during the site reconnaissance were limited by obstacles on site, which may have hampered the

ability to visually evaluate surface conditions. Therefore, the conclusions set forth herein are made subject to such limitations.

As described in this report, the results are valid only for the conditions found at the specific sampling locations at the specific time SAIC collected the samples. The sampling was not an all-inclusive survey, and the results have no implications regarding the presence or absence of lead-based paint in unsampled locations. The results also have no implications regarding the presence or absence of lead-based paint on the Rock Creek, Boulder Creek, South Fork of the Smith River (Stevens Memorial), or Hurdy Gurdy Creek Bridges in the future or at any other time in the past.

This report is intended to be used in its entirety. Taking or using in any way excerpts from this report is discouraged because, when taken out of context, such excerpts run the risk of being misinterpreted and are not representative of its findings; therefore, any party doing so does so at its own risk.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The survey corridor is located on CA FH 112, South Fork Smith River Road in northwestern California (see Figure 1). The road provides access within the Smith River National Recreation Area of the Six Rivers National Forest. The survey corridor begins 3.5 miles south of Hiouchi, CA at Mile Post 3.50 and runs intermittently along CA FH 112 ending at Mile Post 15. The legal description of the survey corridor is Township 16 North/Range 1 East/Sections 13, 24; Township 16 North/Range 2 East/Sections 31, 32; Township 15 North/Range 2 East/Sections 3, 4, 5, 10, 15, 23.

2.2 Survey Corridor and Vicinity General Characteristics

CA FH 112 is a two-lane paved road that narrows to one lane at four landslide areas and four bridges within the survey corridor. FHWA determined the survey corridor boundary would include the 11.5 miles of road and 300-foot wide centered on the existing alignment. The proposed reconstruction work would occur intermittently along the survey corridor (Figure 2).

2.3 Current Use of the Survey Corridor

CA FH 112 is used as a means of transport through the Six Rivers National Forest (Forest) to provide travelers access to the Forest and USFS campgrounds and also provides access for residents along the road to the nearby town of Hiouchi, CA and Highway 199. Within the survey corridor, to the north and east of the road, the land is spotted with residential property. Within the survey corridor, to the south and west of the road, are steep hillsides, USFS access roads, and residential properties that are set back from the road.

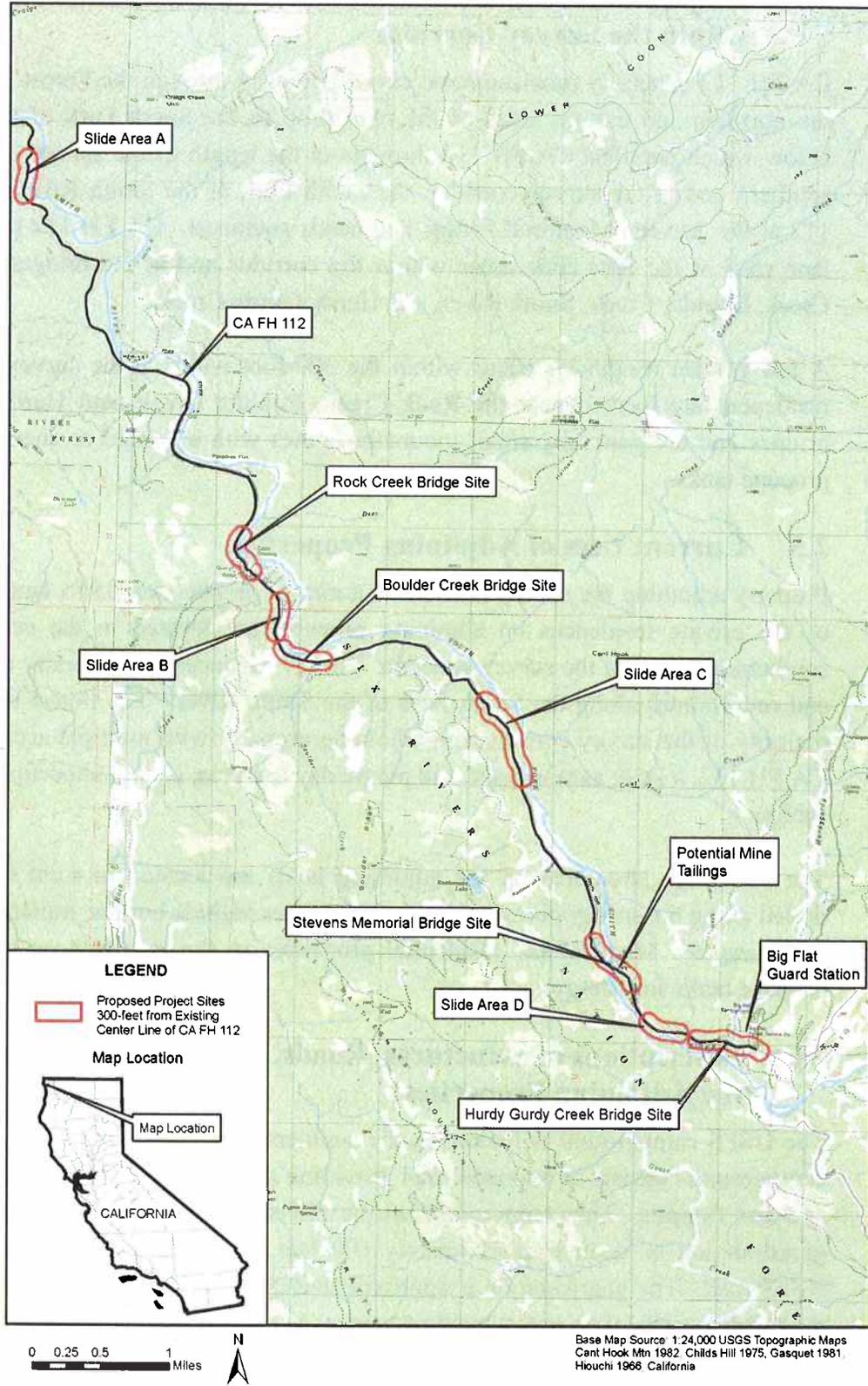


Figure 2. California Forest Highway 112 Survey Corridor Detail, Hiouchi, California

2.4 Descriptions of Structures, Roads, and Other Improvements within the Survey Corridor

CA FH 112 generally runs southeast curving its way through the Forest. Steep cliffs on the northern and eastern sides of the road drop to the South Fork of the Smith River below which parallels CA FH 112 throughout the length of the survey corridor. At the southern end of the survey corridor, the South Fork of the Smith River crosses CA FH 112 at the Stevens Memorial Bridge and heads southeast. CA FH 112 turns into a one-lane road at the four slide areas within the corridor and at the bridges crossing Rock Creek, Boulder Creek, Smith River, and Hurdy Gurdy Creek.

A few private residences occur within the 300-foot width of the survey corridor. The residences are located near the Rock Creek, Boulder Creek, and Hurdy Gurdy Creek bridges and are generally small mountain homes with a garage or shed and household propane tanks.

2.5 Current Uses of Adjoining Properties

Property adjoining the survey corridor is a mix of private and USFS land. The majority of the private residences on adjoining property are located in the center and at the southernmost end of the survey corridor. These residences are generally mountain cabins and rural homes along the South Fork of the Smith River. The Forest encompasses the majority of the survey corridor and adjoining property with multiple access routes along CA FH 112, a large campground and picnic/day use area, and an unoccupied USFS guard station.

The remaining structures on the adjoining lands are located in rural residential areas dotted along the survey corridor. These residences include houses, trailers, cabins, sheds, and garages. Many of the residential properties in the area rely on residential sized propane tanks for energy.

2.6 Descriptions of Structures, Roads, and Other Improvements on the Adjoining Properties

The USFS campground is located at the southernmost end of the survey corridor. The campground consists of a looped road providing access to campsites with picnic benches and iron fire pits. The campground has pit toilets in two locations around the loop. The guard station is located approximately 100 feet north of the campground on a closed USFS road. The guard station is approximately 500 feet from CA FH 112 along a gated road and consists of an unoccupied residence, a concrete foundation of a former garage, a concrete foundation from a demolished pump house, and several pit toilets.

3.0 USER PROVIDED INFORMATION

SAIC did not receive any user provided information or title records. In addition, there were no environmental liens or activity and no use limitations identified because a title search was not conducted. No information was identified to indicate a reduced property value due to RECs for the CA FH 112 survey corridor.

3.1 Owner, Property Manager, and Occupant Information

The survey corridor is located within the Six Rivers National Forest and is managed by the Gasquet Ranger District. The South Fork Smith River Road is maintained by Del Norte County Roads Department. Several private residences are located within the survey corridor.

4.0 RECORDS REVIEW

The CA FH 112 survey corridor records review included review of standard environmental records compiled by Environmental Data Resources, Inc. (EDR). The EDR records review report is located in Appendix A.

4.1 Standard Environmental Record Sources

EDR performed a thorough search of applicable environmental databases to characterize onsite or nearby RECs. The records search included Federal and State databases. EDR's record search included the entire survey corridor as described in Sections 2.1 and 2.2.

The results of the environmental records search are provided in the EDR Radius Map Report (Appendix A). Because the survey corridor is located in a non-industrial area, it was not identified in any of the Federal or State environmental databases searched by EDR. However, the records search identified one historical underground storage tank (UST) location on a property adjoining the survey corridor. The historical UST location is discussed in detail in Section 6.3.2.

A synopsis of the results of the environmental database research indicates that there is one REC site within close proximity to the CA FH 112 survey corridor.

National Priority List Sites

The National Priority List (NPL) database is a subset of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and identifies over 1,200 sites for priority cleanup under the Superfund program. The U.S. Environmental Protection Agency (EPA) maintains this information. The records search did not identify any NPL sites within the survey corridor.

Comprehensive Environmental Response, Compensation, and Liability Information System Sites

CERCLIS contains data on potentially hazardous waste sites reported to the EPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites that are on the NPL and proposed sites that are in the screening and assessment phase for possible inclusion on the NPL. The records search did not identify any CERCLIS sites within the survey corridor.

Corrective Actions Sites

Corrective Action Sites (CORRACTs) are a list of handlers subject to the Resource Conservation and Recovery Act (RCRA) Corrective Action Activity. The EPA maintains this information. The records search did not identify any CORRACTs within the survey corridor.

RCRIS

The RCRA Information System (RCRIS) database includes selected information on sites that generate, store, treat, or dispose of hazardous waste. The EPA maintains this database. The record search did not identify any RCRA sites within the survey corridor.

State Landfill

Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The records search did not identify any state landfills within the survey corridor.

Historical Landfill

The California EPA maintains the Historical Landfill List. The records search did not identify any historical landfills within the survey corridor.

Underground Storage Tank sites

The UST database contains information on registered USTs that are regulated under Subtitle I of RCRA. The records search did not identify any USTs within the survey corridor.

LUST Sites

Owners/operators of USTs are required to report leaking UST (LUST) incidents. LUST sites are identified from the California Regional Water Quality Control Board LUST list. The records search did not identify any LUST sites within the survey corridor.

Historical Underground Storage Tank

The State of California Hazardous Substance Storage Container Database is a historical listing of UST sites. The records search identified one historical UST location, containing two USTs on property adjoining the survey corridor. The two historical USTs are located at the Big Flat Guard Station at 10600 Highway 199 in Gasquet, California. Additional information on the historical UST location is provided in Section 6.3.2.

4.2 Historical Use Information on the Property

SAIC did not perform an Historical Chain of Title Search. SAIC did not review historical photos as part of this Phase I ESA.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

SAIC conducted a site reconnaissance September 26 to 28, 2005. The site reconnaissance included an onsite visual survey of the survey corridor and an evaluation of adjoining properties to detect the presence of any RECs. SAIC conducted driving and pedestrian surveys to observe the types of land use and nature of any structures within 300 feet (centered on the existing alignment) of CA FH 112. SAIC conducted pedestrian surveys at all work sites identified by FHWA and all sites identified in the EDR records search. SAIC conducted pedestrian surveys at any areas identified during the drive-by surveys as having potential RECs. Selected photographs taken during the site reconnaissance are provided in Appendix B.

During the site reconnaissance, SAIC collected three representative paint samples from each of the four bridges identified by FHWA for analysis. Photographs identifying sampling locations are located in Appendix C. Results of the lead analysis of paint samples and background information are presented in Section 7.0.

5.2 General Site Setting

The terrain in the area of the survey corridor is characterized by steep hillsides and rocky outcroppings dominated by naturally occurring vegetation. The survey corridor winds through a dense coniferous forest (see Appendix B, photos 1 and 2). CA FH 112 generally runs southeast through the survey corridor.

5.3 Site Reconnaissance Observations within the Survey Corridor

All four slide areas located within the survey corridor are in undeveloped areas with very steep and rocky hillsides (see Appendix B, photos 3 through 6). CA FH 112 becomes a one-lane road while traversing the landslide areas. The rocks within the landslide areas range from large boulders, approximately 10 feet in diameter, to small pieces of gravel (see Appendix B, photo 7). The rocks within this survey corridor may contain Ultramafic rock and Serpentine rocks which can potentially contain naturally occurring asbestos.

Rock Creek Bridge is the northernmost bridge in the survey corridor and is located approximately half way through the corridor (see Appendix B, photo 8). The bridge is a steel girder bridge with steel guardrails covered in peeling green paint. The bridge is approximately 16-feet wide and 80-feet long and crosses Rock Creek as it flows down

from the west side of the bridge and discharges into Smith River. On the north end of the bridge, a white polyvinyl chloride (PVC) pipe runs down the steep hillside, passes under the bridge, and continues onto a private residence (see Appendix B, photos 9 and 10). The pipe's origin could not be determined; however, it is believed to be a conduit for water. Abandoned mechanical parts including a small truck cab, trailer parts, and an industrial engine are located approximately 10 feet from the southwest corner of the bridge on a dirt road and pull-off area (see Appendix B, photo 11). USFS personnel identified this pull-off as private property. SAIC observed no associated leaks or soil staining during the site reconnaissance.

Boulder Creek Bridge is a steel girder bridge with a timber deck that is located south of Rock Creek Bridge in the center of the survey corridor (see Appendix B, photo 12). The bridge is approximately 18-feet wide and 45-feet long. The metal guardrail is painted with green paint. A green and white camping trailer is located in the woods approximately 30 feet downhill from the northwest corner of the bridge (see Appendix B, photo 13). A white PVC pipe runs down from the steep hillside on the west side of the bridge, passes under the bridge, and looks to run into a small wooden shed on private property near the Smith River (see Appendix B, photo 14). Private residences are dotted on both sides of Boulder Creek where it discharges into the Smith River (see Appendix B, photo 15).

The Stevens Memorial Bridge, also known as the South Fork Bridge, is a steel girder bridge with a timber deck that crosses the Smith River where it intersects with CA FH 112 and runs south (see Appendix B, photo 16). The bridge is approximately 15-feet wide and 140-feet long with natural timber guardrails and green painted girders. The area is undeveloped on the northern end of the bridge with a few narrow, unmarked trails leading down to the Smith River. A dirt parking area is located off the southeast corner of the bridge. This parking area leads to unmarked trails down to a beach area along the river and a narrow dirt road connecting the parking area to a borrow pit used by the USFS and Del Norte County for road work. A long oblong section of rocks are located along the parking area and are bisected by the road leading to the borrow pit (see Figure 3). The origin of this section of rock is unknown, however it could potentially be historical mine tailings. The rocks are covered in moss and vegetation is growing in and around the rock pile. SAIC was unable to get a close up view or obtain a picture of the rock pile due to construction in the area. Road crews using large construction vehicles were actively working in the parking area next to the potential mine tailings area during the site reconnaissance and SAIC was unable to safely gain access to the site to assess. SAIC constructed a figure of the potential tailings location from outside of the construction work zone.

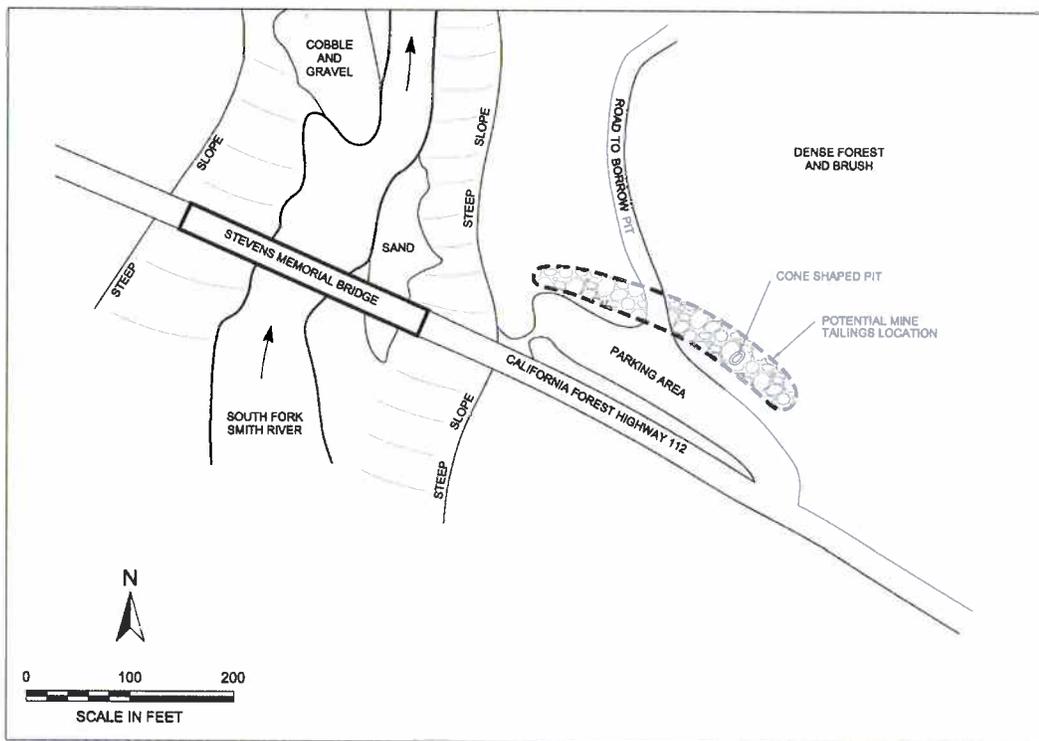


Figure 3. Potential Mine Tailings near the Stevens Memorial Bridge, California Forest Highway 112, Hiouchi, California

The Hurdy Gurdy Creek Bridge is located at the southernmost end of the survey corridor in dense forest (see Appendix B, photo 17). The bridge is approximately 15-foot wide and 90-foot long, has steel girders, and a wooden guardrail with peeling green paint. No structures exist near this bridge, however, a small wooden cross and stone memorial is located approximately 5 feet from the southeast corner of the bridge.

5.4 Site Reconnaissance Observations on the Periphery of the Survey Corridor

At the northern part of the survey corridor, the adjoining property is undeveloped and looks to consist of mainly USFS land. The terrain is very steep with a mix of rocky slopes and dense coniferous forest. Private residences are dotted along the central section of the survey corridor where the slope to the river is more gradual. A small mountain community is located off the northeast corner of the Rock Creek Bridge. Several small homes and trailers reside along access roads that connect to CA FH 112. The residences are nestled behind thick brush and trees. Several of the residences have additional structures on the property including garages, sheds, and household propane tanks (see Appendix B, photo 18).

The entrance to the Big Flat Campground National Recreation Area is located at the southernmost end of the survey corridor. The unpaved entrance road runs north approximately 1,000 feet from CA FH 112 to the Big Flat Campground entrance (see Appendix B, photo 19). The campground consists of a looped road providing access to campsites and picnic areas. Several pit toilets are located throughout the campground.

The entrance to the USFS guard station is approximately 500 feet west of the campground entrance on the north side of CA FH 112. The narrow paved road leads to a USFS gate that blocks vehicle access. Beyond the gate, the road runs approximately 500 feet to the remnants of the vacant guard station (Figure 4). Structures within the work service area consist of a USFS housing unit on the north edge of the property (see Appendix B, photo 20), the dilapidated foundation of a garage or workshop across the parking area, and two pit toilet structures on the southern edge of the property. In the center of the structures, sits a concrete pad with three metal pipes protruding from the cement and the ground around the cement (see Appendix B, photo 21).

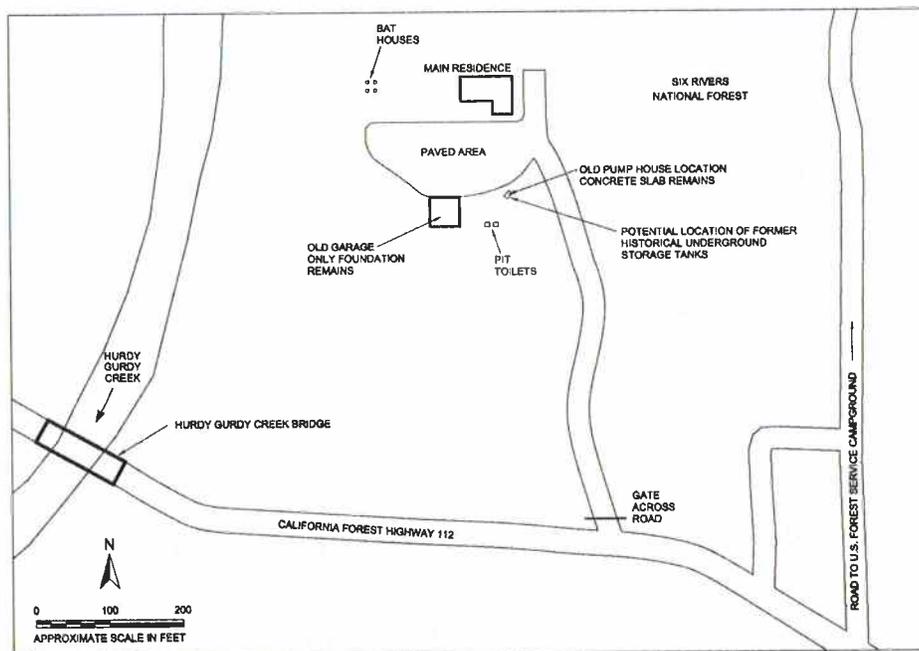


Figure 4. Potential Location of Two Historical Underground Storage Tanks at the Big Flat Guard Station, Six Rivers National Forest, California Forest Highway 112, Hiouchi, California

6.0 INTERVIEWS

6.1 Interviews with Owners

SAIC conducted interviews with USFS Gasquet Ranger District personnel. The Gasquet Ranger District encompasses the Smith River National Recreation Area. Information received during these interviews is summarized below.

6.1.1 Pass Interview

Mr. Don Pass is the Recreation Planner and Lands Officer at the Gasquet Ranger District. SAIC contacted Mr. Pass during the site reconnaissance for information on the historical USTs identified at the Big Flat Guard Station and then again in a follow up interview to clarify specific issues. During the initial interview, Mr. Pass stated that the USFS office had the historical USTs emptied and removed approximately 20 years ago, but the USFS is unable to find the removal documentation. He had an engineer out 2 weeks prior to the site visit to assist in determining the location of the former historical USTs. The engineer was unable to positively determine the location of the USTs, but thought that the USTs were located near the old pump station at the guard station. Mr. Pass believed that the fuel held by the USTs was used to power the generator that pumped water from a well. Mr. Pass stated that the guard station was a USFS work center for firefighters in the early 1980s. The guard station has been unoccupied since that time.

During the follow up interview, Mr. Pass stated that the USFS found the removal documents for the two historical USTs. Mr. Pass stated that the USTs had never leaked and no documentation of any spills associated with the tanks is on record. Mr. Pass was unsure what, if any, chemicals were used at the work center in the 1980s and prior.

Mr. Pass was not aware of any environmental concerns in association with the survey corridor. Mr. Pass has never observed any hazardous substances or wastes dumped or spilled along the corridor. Illegal dumping of household products including box springs and televisions has occurred. Mr. Pass clarified that the machinery identified near the southeast corner of Rock Creek Bridge was on private property. The PVC pipes identified during the site assessment are for residential water supply. There is a borrow pit consisting of gravel and large rock at the northeast corner of Stevens Memorial Bridge. The borrow pit is used for work along the CA FH 112.

6.1.2 Cross Interview

Mr. Curtis Cross works at the USFS Supervisor's office and provided additional information on the Big Flat Guard Station. Mr. Cross stated that decommissioning of the guard station should be complete in 2008 and the USFS plans to sample and test the station at that time. Mr. Cross stated that chemicals potentially used at the guard station in the early 1980s include pesticides and chemicals for wood treatment. The quantities would have been very small. Mr. Cross was not aware of any environmental concerns in association with the survey corridor. Mr. Cross has never observed any hazardous substances or wastes dumped or spilled along the corridor.

6.1.3 Web Interview

Mr. Dave Web is a silviculturist with the USFS and has worked in the district for 30 years. Mr. Web was not aware of any environmental concerns in association with the

survey corridor. Mr. Web has never observed any hazardous substances or wastes dumped or spilled along the corridor. Mr. Web stated that there has been drug activity within the district. Specifically, the USFS has found containers of hazardous waste from methamphetamine laboratories dumped in the Forest. No containers have ever been found along CA FH 112, but Mr. Web recommends that all construction and survey personnel be aware that the potential exists to encounter this waste. Mr. Web stated that chrome mines existed around the southern end of the survey corridor, therefore the rock pile near the Stevens Memorial Bridge could be chrome mine tailings. Mine tailings and old mining equipment from past hydraulic mining along the Hurdy Gurdy Creek could still remain.

6.1.4 Saturn Interview

Mr. Monty Saturn worked at the Big Flat Guard Station between 1977 and 1985. Mr. Saturn stated that the USFS did not use any chemical herbicides, pesticides, or wood treatments during that time. The only hazardous substances used at the guard station were gasoline and motor oil. Mr. Saturn stated that the guard station had been in existence since the 1930s so the USFS could have used chemicals prior to his working there. While working at the guard station, Mr. Saturn stated that they pulled out the two USTs and installed one diesel UST. He said there were no leaks or spills associated with the guard station USTs or above ground storage tanks (ASTs). Mr. Saturn was not aware of any environmental concerns in association with the survey corridor. Mr. Saturn has never observed any hazardous substances or wastes dumped or spilled along the corridor

Mr. Saturn stated a USFS geologist inspected the crushed rock in the borrow pit near the Stevens Memorial Bridge on December 1, 2003. The geologist noted that serpentine veins existed, but identified no crystallized asbestos. The geologist determined that the asbestos rock present in the borrow pit was not friable.

Mr. Saturn stated that Del Norte County was working on a borrow pit approximately 2 miles from the survey corridor and the USFS determined that friable asbestos existed within the borrow pit.

6.2 Interviews with Occupants

SAIC did not conduct interviews with private residents along the survey corridor.

6.3 Interviews with Local Government Officials

SAIC conducted interviews with the Roads Foreman for the Del Norte County Roads Department and with the California State Water Resource Control Board. Information received during these interviews is summarized below.

6.3.1 Daniels Interview

Mr. Jeff Daniels has lived in the South Fork Smith River area for 39 years and has worked for the Del Norte County Roads Department as a Roads Foreman for 17 years. Mr. Daniels has never observed or been aware of any environmental concerns in association with the survey corridor. Mr. Daniels has never seen any hazardous substances or wastes dumped or spilled along the corridor. Mr. Daniels mentioned the presence of asbestos rock in the area of the survey corridor stating that there are ultramafic rock formations in the area. Mr. Daniels said that any major work is required to go through a permitting process because of the naturally occurring asbestos.

6.3.2 Flannigan Interview

Ms. Deanna Flannigan works on the State Water Resources Control Board for the Division of Water Quality Underground Storage Tank Program. Ms. Flannigan explained that USTs identified as historical were an assemblage of all historical UST records prior to the official implementation of the State UST database. These historical records were compiled between 1984 and 1988 and include all registered USTs prior to 1988. This list was a one time only compilation and does not include any updates identifying when the USTs were removed. Ms. Flannigan pulled the file for the historical USTs identified in the EDR report and provided them to SAIC.

The files provided the following information. The Guard Station is owned and operated by the USFS. The historical USTs contained diesel and unleaded gasoline. The tank capacity for the unleaded gasoline was 1,000 gallons and was installed in 1961. The diesel UST has no tank capacity or year of installation identified. The USFS removed the USTs in the early 1980s. No leaks or spills associated with the USTs are known to have occurred.

7.0 ADDITIONAL SERVICES

SAIC conducted a lead-based paint sampling effort in conjunction with the CA FH 112 Phase I ESA for the FHWA.

SAIC collected three samples of paint from each of the four bridges. SAIC selected sampling locations to obtain a representative sample of the paint observed during the site reconnaissance. SAIC collected all samples from areas approximately 2 to 4 square inches in size. SAIC used a razor-sharp scraper to remove the paint from the substrate and collected each sample in a plastic bag. SAIC sent all samples to the laboratory one day after the sampling event. No special preservation techniques are required for paint samples.

SAIC sent the samples to ACZ Laboratories in Steamboat Springs, Colorado, for analysis of lead content using EPA Method 6010B Inductively Coupled Plasma (ICP). A copy of the ACZ Laboratories Analytical Report is included in Appendix D.

The criterion of identification of lead-based paint established by the Department of Housing and Urban Development (HUD) is a lead content of 0.5 percent by weight (also expressed as 5,000 milligrams per kilogram (mg/kg), or 5,000 parts per million (ppm) by weight) (HUD 1995). All four of the bridges tested positive for lead, however, the lead concentration in Sample 3 for Rock Creek Bridge was the only sample to exceed the lead-based paint threshold. Table 1 summarizes lead concentrations of samples taken at the four bridges.

Based on these results, and the HUD criterion, it is concluded that the paint on the Rock Creek Bridge is an example of commercially available lead-based paint. The paint on Boulder Creek, Stevens Memorial, and Hurdy Gurdy Bridges contains lead at levels below the HUD criterium for lead-based paint.

Table 1. Lead Concentration of Samples taken at Four Bridges within the California Forest Highway 112 Survey Corridor on September 27, 2005

Sample Location ¹	Lead Concentration (mg/kg)	HUD Lead-Based Paint Criterion Threshold (mg/kg)
Rock Creek Bridge Sample 1	2,950	5,000
Rock Creek Bridge Sample 2	232	5,000
Rock Creek Bridge Sample 3	6,610	5,000
Boulder Creek Bridge Sample 1	720	5,000
Boulder Creek Bridge Sample 2	116	5,000
Boulder Creek Bridge Sample 3	618	5,000
Stevens Memorial Bridge Sample 1	2,430	5,000
Stevens Memorial Bridge Sample 2	2,100	5,000
Stevens Memorial Bridge Sample 3	2,230	5,000
Hurdy Gurdy Creek Bridge Sample 1	1,010	5,000
Hurdy Gurdy Creek Bridge Sample 2	4,750	5,000
Hurdy Gurdy Creek Bridge Sample 3	1,700	5,000

Source: ACZ Laboratories 2005

¹ Refer to photos in Appendix C for exact sample location.

HUD Department of Housing and Urban Development
mg/kg milligrams per kilogram

8.0 FINDINGS

SAIC identified two RECs and several possible areas of environment concern during the Phase I ESA. These findings are discussed below.

The presence of lead paint and asbestos rock in the survey corridor constitute two RECs according to the ASTM E 1527-00 Standard. All four bridges within the CA FH 112 survey corridor tested positive for lead-based paint, but only the Rock Creek Bridge sample exceeded the HUD threshold. Construction workers may be exposed to lead-based paint during bridge removal. HUD recommends that action to reduce exposure should be taken when the lead in paint is greater than 0.5 percent by weight (also expressed as 5,000 mg/kg or 5,000 ppm by weight).

According to the State of California, the survey corridor is located in an area that is likely to contain natural occurrences of asbestos (California EPA 2002). Asbestos most commonly occurs in ultramafic rock that has undergone partial or complete alteration to serpentine rock, and often contains chrysotile asbestos. Another form of asbestos, tremolite, can be found associated with ultramafic rock, particularly near faults. Asbestos fibers are released from the rock when it is crushed or broken and through natural weathering processes (California EPA 2002). The proposed bridge replacement and road widening construction activities could also mobilize asbestos fibers if friable asbestos is present in the rock or soil in the construction area. Workers may be exposed to asbestos fibers during construction activities.

While ultramafic rock including serpentine rock is known to occur in or near the survey corridor, the presence of asbestos minerals in the construction areas is not certain. The only way to establish the presence or absence of asbestos at a specific location is through a detailed site examination by a qualified geologist (California Department of Conservation 2000).

The following potential environmental concerns are located within the survey corridor.

The rock pile with potential mine tailings located southeast of the Stevens Memorial Bridge constitutes an environmental concern within the survey corridor. If determined to be mine tailings, there could be high levels of heavy metals within the rock pile. The rock material could also contain asbestos. The rock pile should be evaluated by a qualified geologist if it will be disturbed by any planned construction activities.

Interviews with USFS personnel indicate that the survey corridor has been used for illegal dumping of household debris. However, no indications of dumping of hazardous materials along the road or under the bridge were observed or reported.

USFS personnel discussed the potential presence of illegal dumping of hazardous waste associated with methamphetamine laboratories within the Forest. While illegally dumped hazardous waste from methamphetamine laboratories has not been found in or around the survey corridor, the FHWA should be aware of the potential presence of these wastes during construction activities.

SAIC identified the following potential environmental concerns outside the survey corridor, which could potentially impact the property.

The records search identified two historical USTs for holding diesel and unleaded gasoline at the Big Flat Guard Station. The USFS removed these USTs in the early 1980s. Unprotected steel tanks in the ground for 20 years or more are likely to have leaked. While no USFS personnel interviewed were aware of any leaks or spills associated with the USTs, the potential still exists for petroleum contamination near the pumping facility at the Big Flat Guard Station.

Historically, the USFS used and stored petroleum, oils, and lubricants at the Big Flat Guard Station. The past usage of these items may indicate that petroleum products may have been spilled or otherwise been released in the past, thereby, contaminating surface soil in and around the guard station. In addition to storing fuels and other petroleum products, USFS Guard Stations in other regions are used for a variety of activities including vehicle maintenance, chainsaw maintenance (likely if the site supported firefighters), sign painting, pesticide storage and mixing, and wood treating. Possible contaminants include gasoline, diesel fuel, oil, lubricants, paints and solvents, pesticides, and pentachlorophenol.

Multiple household propane tanks associated with the private residences occur along the survey corridor.

9.0 OPINION

The potential presence of asbestos rock will impact construction operations as this hazard will need to be mitigated prior to the commencement of road work. The presence of lead-based paint will impact bridge replacement work on the Rock Creek Bridge. All other hazards identified were located outside the survey corridor and should have no impact on the implementation of road work.

10.0 CONCLUSIONS

Precautions need to be taken prior to the removal of the Rock Creek Bridge due to the presence of lead-based paint. The Occupational Safety and Health Administration (OSHA) Construction Standard requires that specific safety measures be initiated to control construction worker exposure to lead-based paint. In addition to worker safety,

care should be taken during the bridge removal to minimize release of lead-based paint to the environment, specifically into the wetland area located below the bridge.

Additional precautions must be made to ensure construction activities do not expose workers to the naturally occurring asbestos rock in the area. The State of California regulations apply to construction activities including road construction in areas of naturally occurring asbestos including the requirements identified in the Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations (California Air Resources Board 2002).

11.0 REFERENCES

- ACZ Laboratories. 2005. Analytical Report. ACZ Project ID: L53563. October 18.
- ASTM (American Society for Testing and Materials). 2000. Standard E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. May 10.
- California Air Resources Board. 2002. Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations. July 29.
- California Department of Conservation. 2000. A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos. August.
- California EPA (California Environmental Protection Agency). 2002. Asbestos-Containing Rock and Soil: What Homeowners and Renters Need to Know.
- Cross, C. 2005. Personal communication between C. Cross, USFS Supervisors Office, and Tiffany Richardson, Science Applications International Corporation. November 8.
- Daniels, J. 2005. Personal communication between J. Daniels, Del Norte County Road Department, and Tiffany Richardson, Science Applications International Corporation. October 8.
- Flannigan, D. 2005. Personal communication between D. Flannigan, California State Water Resources Control Board, and Tiffany Richardson, Science Applications International Corporation. October 8.
- HUD (Department of Housing and Urban Development). 1995. Guidelines for Evaluating and Control of Lead-Based Paint Hazards in Housing.
- Pass, D. 2005. Personal communication between D. Pass, USFS, Gasquet Ranger District, and Tiffany Richardson, Science Applications International Corporation. October 26.

Saturn, M. 2005. Personal communication between M. Saturn, USFS Gasquet Ranger District, and Tiffany Richardson, Science Applications International Corporation. October 12.

Web, D. 2005. Personal communication between D. Web, USFS Silviculturist, and Tiffany Richardson, Science Applications International Corporation. October 8.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT
FOR CALIFORNIA FOREST HIGHWAY 112 (CA FH 112)
SOUTH FORK SMITH RIVER ROAD

APPENDIX A

Environmental Data Resources, Inc. Radius Map Report

APPENDIX A
EDR Report



EDR® Environmental
Data Resources Inc

**EDR DataMap™
Corridor Study**

CA FH 112
Hiouchi, CA 95531

September 22, 2005

Inquiry number 01515276.1r

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

HIOUCHI, CA 95531
HIOUCHI, CA 95531

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
CHMIRS	California Hazardous Material Incident Report System
Cortese	"Cortese" Hazardous Waste & Substances Sites List
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
LUST	Geotracker's Leaking Underground Fuel Tank Report
CA BOND EXP. PLAN	Bond Expenditure Plan
UST	Active UST Facilities
VCP	Voluntary Cleanup Program Properties
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land
CA FID UST	Facility Inventory Database
SWEEPS UST	SWEEPS UST Listing

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
---------------	------------------------------------

TC01515276 1r EXECUTIVE SUMMARY 1

EXECUTIVE SUMMARY

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Registry System
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
US ENG CONTROLS	Engineering Controls Sites List
ODL	Open Dump Inventory
DOD	Department of Defense Sites
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
FUDS	Formerly Used Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
CLEANERS	Cleaner Facilities
CA WDS	Waste Discharge System
DEED	Deed Restriction Listing
REF	Unconfirmed Properties Referred to Another Agency
WIP	Well Investigation Program Case List
EMI	Emissions Inventory Data
NFA	No Further Action Determination
NFE	Properties Needing Further Evaluation
SCH	School Property Evaluation Program
SLIC	Statewide SLIC Cases
HAZNET	Facility and Manifest Data

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
----------	--

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
US INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STATE ASTM STANDARD

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
U.S.D.A., FOREST SERVICE	BIG FLAT GUARD STATION	1	3

TC01515276.1r EXECUTIVE SUMMARY 3

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information

TC01515276 1r EXECUTIVE SUMMARY 4

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>	
NPL	0
Proposed NPL	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRA TSD	0
RCRA Lg. Quan. Gen.	0
RCRA Sm. Quan. Gen.	0
ERNS	0
<u>STATE ASTM STANDARD</u>	
AWP	0
Cal-Sites	0
CHMIRS	0
Cortese	0
Notify 65	0
Toxic Pits	0
State Landfill	0
WMUDS/SWAT	0
LUST	0
CA Bond Exp. Plan	0
UST	0
VCP	0
INDIAN LUST	0
INDIAN UST	0
CA FID UST	0
HIST UST	1
SWEEPS UST	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>	
CONSENT	0
ROD	0
Delisted NPL	0
FINDS	0
HMIRS	0
MLTS	0
MINES	0
NPL Liens	0
PADS	0
US ENG CONTROLS	0
ODI	0
DOD	0
INDIAN RESERV	0
UMTRA	0
FUDS	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
RAATS	0
TRIS	0
TSCA	0
SSTS	0
FTTS	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>	
AST	0
CLEANERS	0
CA WDS	0
DEED	0
REF	0
WIP	0
EMI	0
NFA	0
NFE	0
SCH	0
SLIC	0
HAZNET	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>	
Coal Gas	0
<u>BROWNFIELDS DATABASES</u>	
US BROWNFIELDS	0
US INST CONTROL	0
VCP	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.) Site	Database(s)	EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1	U.S.D.A., FOREST SERVICE BIG FLAT GUARD STATION GASQUET, CA 95543	HIST UST	U001611955 N/A
---	--	----------	-------------------

UST HIST.

Facility ID: 58823
 Total Tanks: 2
 Owner Address: 10600 HIGHWAY 199
 GASQUET, CA 95543
 Tank Used for: PRODUCT
 Tank Num: 1
 Tank Capacity: 00000000
 Type of Fuel: DIESEL
 Leak Detection: Visual, Stock Inventor
 Contact Name: BROCK EUGENE
 Facility Type: Other

Owner Name: U.S.D.A., FOREST SERVICE
 Region: STATE

Container Num: 51-2D
 Year Installed: Not reported
 Tank Construction: Not Reported

Telephone: (707) 457-3131
 Other Type: FOREST SERVICE

Facility ID: 58823
 Total Tanks: 2
 Owner Address: 10600 HIGHWAY 199
 GASQUET, CA 95543
 Tank Used for: PRODUCT
 Tank Num: 2
 Tank Capacity: 00001000
 Type of Fuel: UNLEADED
 Leak Detection: Visual, Stock Inventor
 Contact Name: BROCK EUGENE
 Facility Type: Other

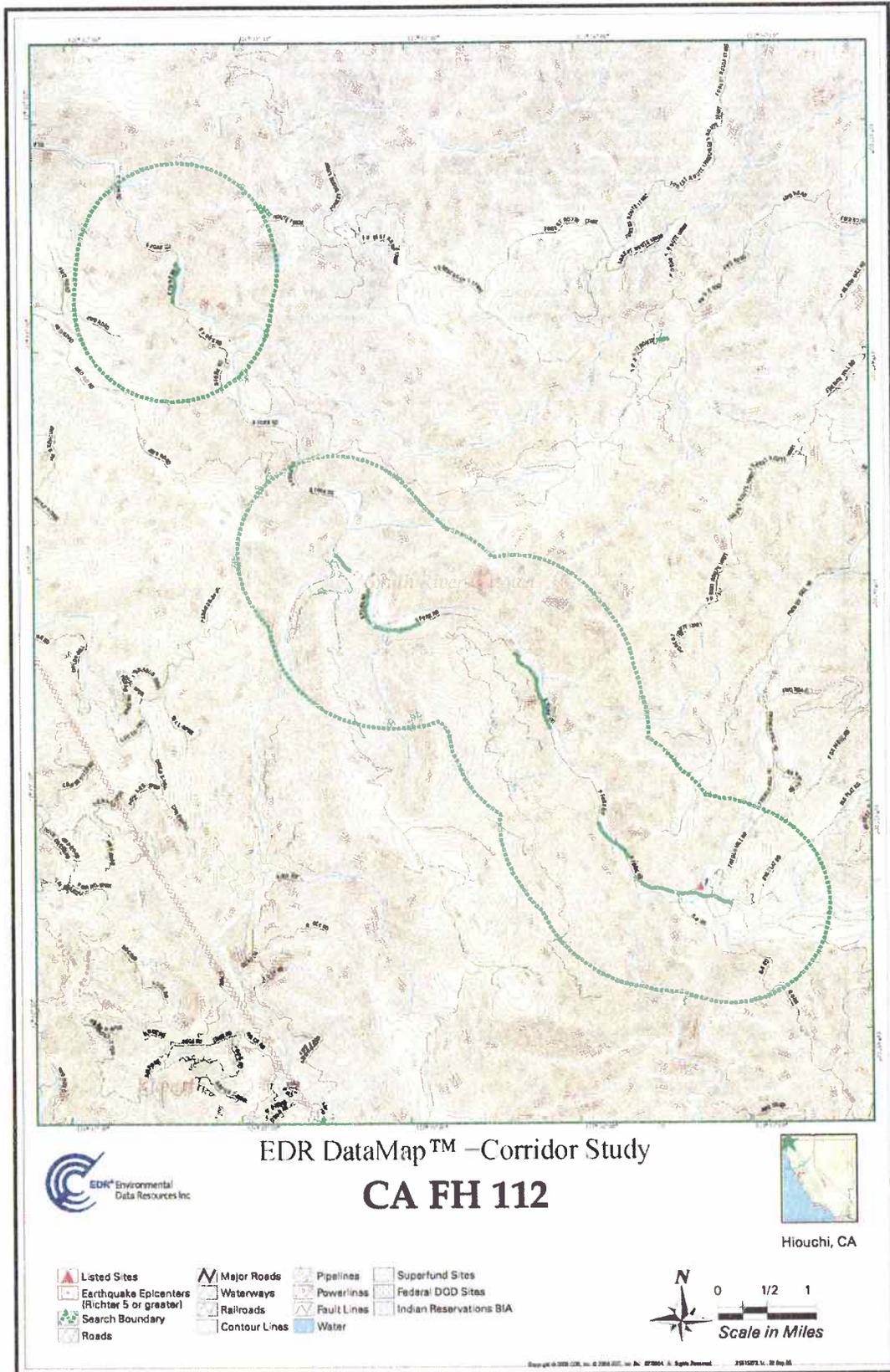
Owner Name: U.S.D.A., FOREST SERVICE
 Region: STATE

Container Num: 7486
 Year Installed: 1961
 Tank Construction: Not Reported

Telephone: (707) 457-3131
 Other Type: FOREST SERVICE

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CRESCENT	U003778642	CRESCENT CITY SHELL	1006 HWY 101 NORTH	95531	UST
CRESCENT	U003778644	CASH OIL CO.	300 HWY 101 SOUTH	95531	UST
CRESCENT	U003778645	CRESCENT CITY CHEVRON	315 HWY 101 SOUTH	95531	UST
CRESCENT	U003778654	REDWOOD MINI MART	317 HWY 101 SOUTH	95531	UST
CRESCENT	U003778641	HOUCHI HAMLET	2100 HWY 199	95531	UST
CRESCENT	U003778639	C. RENNERT INC	P.O. BOX 35 - 1809 HWY 101 NORTH	95531	UST
CRESCENT	1005880000	CRESCENT CITY LDFL	SEC 7, T16N, R1W	95531	CERC-NFRAP
CRESCENT CITY	1000175659	TOSCO CORP. CRESENT CITY TERMINAL	HIGHWAY 101 SOUTH	95531	RCRA-SQG FINDS
CRESCENT CITY	1000236243	OREGON COAST TOWING CRESENT CITY TERM	HIGHWAY 101 SOUTH	95531	RCRA-SQG FINDS
CRESCENT CITY	S101478995	SHELL OIL TANK FARM	HIGHWAY 101 / ANCHOR WAY	95531	REF
CRESCENT CITY	S106180919	LAGOON CREEK	HIGHWAY 101	95531	SLIC
CRESCENT CITY	S106718366	CALTRANS HWY 101 @ M STREET	HIGHWAY 101 @ M STREET	95531	LUST
CRESCENT CITY	U001611763	TRUCK SHOP	HWY 101 SOUTH	95531	HIST LUST
CRESCENT CITY	S101318018	CROWLEY MARITIME OIL TERMINALS	HIGHWAY 101, SOUTH	95531	LUST SLIC
CRESCENT CITY	S104857570	SOJOURNER TRUCKING	HIGHWAY 199 @ CLARKS CREEK	95531	HAZNET, SLIC
CRESCENT CITY	S106717291	SOJOURNER TRUCKING	HIGHWAY 199 @ CLARKS CREEK	95531	LUST
KLAMATH	U003778638	KLAMATH SHELL GAS STATION	299 HWY 189	95548	UST
KLAMATH	U003970729	DON'S GAS	15890 HWY 101	95548	UST
KLAMATH	S101479993	SIMPSON LUMBER COMPANY	HWY 101/ROUTE189	95548	REF
KLAMATH	S106929235	KLAMATH CENTRAL OFFICE	18045 S HIGHWAY 101	95548	SWEEPS UST
REGUA	S102008340	U. S. AIR FORCE, REGUA STATION	P. J. MURPHY MEMORIAL DRIVE (OFF HWY 1)	95548	REF



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA
Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05
Date Made Active at EDR: 08/22/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/03/05
Elapsed ASTM days: 19
Date of Last EDR Contact: 08/03/05

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA
Telephone: N/A

Date of Government Version: 04/27/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 12
Date of Last EDR Contact: 08/05/05

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA
Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/27/05
Date Made Active at EDR: 08/17/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/22/05
Elapsed ASTM days: 26
Date of Last EDR Contact: 07/22/05

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

TC01515276.1r Page GR-1

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/17/05
Date Made Active at EDR: 08/17/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/20/05
Elapsed ASTM days: 58
Date of Last EDR Contact: 06/20/05

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Made Active at EDR: 08/08/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/05/05
Elapsed ASTM days: 34
Date of Last EDR Contact: 06/05/05

RCRA: Resource Conservation and Recovery Act Information

Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 05/20/05
Date Made Active at EDR: 06/09/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/24/05
Elapsed ASTM days: 16
Date of Last EDR Contact: 08/23/05

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances

Date of Government Version: 12/31/04
Date Made Active at EDR: 03/24/05
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/05
Elapsed ASTM days: 56
Date of Last EDR Contact: 07/25/05

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/17/05
Date of Next Scheduled EDR Contact: 09/12/05

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/05
Date of Next Scheduled EDR Contact: 10/24/05

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

Record of Decision, ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05
Database Release Frequency: Annually

Date of Last EDR Contact: 07/06/05
Date of Next Scheduled EDR Contact: 10/03/05

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/03/05
Date of Next Scheduled EDR Contact: 10/31/05

FINDS: Facility Index System/Facility Registry System

Source: EPA
Telephone: (415) 947-8000

Facility Index System, FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/11/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

Hazardous Materials Incident Report System, HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Database Release Frequency: Annually

Date of Last EDR Contact: 07/22/05
Date of Next Scheduled EDR Contact: 10/17/05

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

TC01515276 1r Page GR-3

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/27/05
Date of Next Scheduled EDR Contact: 09/26/05

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/22/05
Date of Next Scheduled EDR Contact: 11/21/05

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/05
Database Release Frequency: Annually

Date of Last EDR Contact: 08/25/05
Date of Next Scheduled EDR Contact: 11/07/05

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/09/05
Date of Next Scheduled EDR Contact: 11/07/05

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Database Release Frequency: Varies

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 09/19/05

ODI: Open Dump Inventory

Source: Environmental Protection Agency
Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/29/05
Date of Next Scheduled EDR Contact: 10/03/05

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/09/05
Date of Next Scheduled EDR Contact: 11/07/05

US ENG CONTROLS: Engineering Controls Sites List

Source: Environmental Protection Agency
Telephone: 703-603-8867

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/06/05
Date of Next Scheduled EDR Contact: 09/05/05

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 07/13/05
Date of Next Scheduled EDR Contact: 09/19/05

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 07/18/05
Date of Next Scheduled EDR Contact: 10/17/05

FTTS INSP: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-566-1667

Date of Government Version: 07/15/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/20/05
Date of Next Scheduled EDR Contact: 09/19/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-4203

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03

Date of Last EDR Contact: 07/18/05

Database Release Frequency: Annually

Date of Next Scheduled EDR Contact: 10/17/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05

Date of Last EDR Contact: 06/20/05

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 09/19/05

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 08/08/05

Date of Data Arrival at EDR: 08/29/05

Date Made Active at EDR: 09/21/05

Elapsed ASTM days: 23

Database Release Frequency: Annually

Date of Last EDR Contact: 08/29/05

CAL-SITES: Calsites Database

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 08/08/05

Date of Data Arrival at EDR: 08/29/05

Date Made Active at EDR: 09/21/05

Elapsed ASTM days: 23

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/29/05

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-845-8400

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03

Date of Data Arrival at EDR: 05/18/04

Date Made Active at EDR: 06/25/04

Elapsed ASTM days: 38

Database Release Frequency: Varies

Date of Last EDR Contact: 08/22/05

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-9100

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 07/26/05

NOTIFY 65: Proposition 65 Records

Source: State Water Resources Control Board
Telephone: 916-445-3846

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/19/05

TOXIC PITS: Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board
Telephone: 916-227-4364

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/01/05

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-341-6320

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/13/05
Date Made Active at EDR: 07/15/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/14/05
Elapsed ASTM days: 31
Date of Last EDR Contact: 06/14/05

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 06/06/05

LUST: Geotracker's Leaking Underground Fuel Tank Report

Source: State Water Resources Control Board
Contact: Del Norte County Dept of Health and Social Svcs. (707) 464-3191

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/11/05
Date Made Active at EDR: 08/03/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/12/05
Elapsed ASTM days: 22
Date of Last EDR Contact: 07/12/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01

Date of Data Arrival at EDR: 02/28/01

Date Made Active at EDR: 03/29/01

Elapsed ASTM days: 29

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/22/05

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 09/30/04

Date of Data Arrival at EDR: 10/20/04

Date Made Active at EDR: 11/19/04

Elapsed ASTM days: 30

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/11/05

LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03

Date of Data Arrival at EDR: 05/19/03

Date Made Active at EDR: 06/02/03

Elapsed ASTM days: 14

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/15/05

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/04

Date of Data Arrival at EDR: 09/07/04

Date Made Active at EDR: 10/12/04

Elapsed ASTM days: 35

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/27/05

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 07/01/05

Date of Data Arrival at EDR: 08/02/05

Date Made Active at EDR: 09/01/05

Elapsed ASTM days: 30

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/08/05

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03

Date of Data Arrival at EDR: 09/10/03

Date Made Active at EDR: 10/07/03

Elapsed ASTM days: 27

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/06/05

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 06/07/05

Date of Data Arrival at EDR: 06/07/05

Date Made Active at EDR: 06/29/05

Elapsed ASTM days: 22

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/08/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Date Made Active at EDR: 03/24/04
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/26/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/27/05

LUST REG 8: Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/05
Date Made Active at EDR: 03/28/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/15/05
Elapsed ASTM days: 41
Date of Last EDR Contact: 08/08/05

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 658-467-2980

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Date Made Active at EDR: 05/21/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 04/23/01
Elapsed ASTM days: 28
Date of Last EDR Contact: 07/18/05

CA BOND EXP. PLAN: Bond Expenditure Plan

Source: Department of Health Services
Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities

Source: SWRCB
Contact: Del Norte County Dept of Health and Social Svcs, (707) 464-3191
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/11/05
Date Made Active at EDR: 08/11/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/12/05
Elapsed ASTM days: 30
Date of Last EDR Contact: 07/12/05

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/08/05
Date Made Active at EDR: 09/21/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/29/05
Elapsed ASTM days: 23
Date of Last EDR Contact: 08/29/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 04/18/05
Date Made Active at EDR: 05/31/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/16/05
Elapsed ASTM days: 15
Date of Last EDR Contact: 08/25/05

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Made Active at EDR: 07/01/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/03/05
Elapsed ASTM days: 28
Date of Last EDR Contact: 08/25/05

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/14/05
Date Made Active at EDR: 07/15/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/14/05
Elapsed ASTM days: 31
Date of Last EDR Contact: 08/25/05

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-341-5851

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5851

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

SWEEPS UST: SWEEPS UST Listing
Source: State Water Resources Control Board
Telephone: N/A

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/94
Date Made Active at EDR: 08/11/05
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/07/05
Elapsed ASTM days: 35
Date of Last EDR Contact: 06/03/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 02/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/16/05
Date of Next Scheduled EDR Contact: 10/31/05

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control
Telephone: 916-327-4498

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes:
power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries
and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and
garment services.

Date of Government Version: 04/18/05
Database Release Frequency: Annually

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-341-5227

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/20/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/20/05
Date of Next Scheduled EDR Contact: 09/19/05

DEED: Deed Restriction Listing

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/02/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

NFA: No Further Action Determination

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

EMI: Emissions Inventory Data

Source: California Air Resources Board
Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

TC01515276 1r Page GR-11

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/19/05
Date of Next Scheduled EDR Contact: 10/17/05

WIP: Well Investigation Program Case List
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/27/05
Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/05
Date of Next Scheduled EDR Contact: 10/24/05

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/04/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/05
Date of Next Scheduled EDR Contact: 08/29/05

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 08/08/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/29/05
Date of Next Scheduled EDR Contact: 11/28/05

SLIC: Statewide SLIC Cases

Source: State Water Resources Control Board
Contact: Del Norte County Dept of Health and Social Svcs. (707) 464-3191
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 07/11/05
Database Release Frequency: Varies

Date of Last EDR Contact: 07/12/05
Date of Next Scheduled EDR Contact: 10/10/05

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/22/05
Date of Next Scheduled EDR Contact: 11/21/05

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

TC01515276.1r Page GR-12

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/04 Database Release Frequency: Quarterly	Date of Last EDR Contact: 07/11/05 Date of Next Scheduled EDR Contact: 10/10/05
SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-549-3147 Any contaminated site that impacts groundwater or has the potential to impact groundwater.	
Date of Government Version: 08/19/05 Database Release Frequency: Semi-Annually	Date of Last EDR Contact: 08/15/05 Date of Next Scheduled EDR Contact: 11/14/05
SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: Region Water Quality Control Board Los Angeles Region (4) Telephone: 213-576-6600 Any contaminated site that impacts groundwater or has the potential to impact groundwater.	
Date of Government Version: 11/17/04 Database Release Frequency: Varies	Date of Last EDR Contact: 07/25/05 Date of Next Scheduled EDR Contact: 10/24/05
SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: Regional Water Quality Control Board Central Valley Region (5) Telephone: 916-464-3291 Unregulated sites that impact groundwater or have the potential to impact groundwater.	
Date of Government Version: 04/01/05 Database Release Frequency: Semi-Annually	Date of Last EDR Contact: 07/08/05 Date of Next Scheduled EDR Contact: 10/03/05
SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: Regional Water Quality Control Board, Victorville Branch Telephone: 619-241-6583	
Date of Government Version: 05/24/05 Database Release Frequency: Semi-Annually	Date of Last EDR Contact: 07/05/05 Date of Next Scheduled EDR Contact: 10/03/05
SLIC REG 6L: SLIC Sites Source: California Regional Water Quality Control Board, Lahontan Region Telephone: 530-542-5574	
Date of Government Version: 09/07/04 Database Release Frequency: No Update Planned	Date of Last EDR Contact: 06/05/05 Date of Next Scheduled EDR Contact: 09/05/05
SLIC REG 7: SLIC List Source: California Regional Quality Control Board, Colorado River Basin Region Telephone: 760-346-7491	
Date of Government Version: 11/24/04 Database Release Frequency: No Update Planned	Date of Last EDR Contact: 08/22/05 Date of Next Scheduled EDR Contact: 11/21/05
SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: California Region Water Quality Control Board Santa Ana Region (8) Telephone: 951-782-3298	
Date of Government Version: 07/01/04 Database Release Frequency: Semi-Annually	Date of Last EDR Contact: 07/05/05 Date of Next Scheduled EDR Contact: 10/03/05
SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing Source: California Regional Water Quality Control Board San Diego Region (9) Telephone: 858-467-2980	
Date of Government Version: 06/27/05 Database Release Frequency: Annually	Date of Last EDR Contact: 05/31/05 Date of Next Scheduled EDR Contact: 08/29/05

TC01515276.1r Page GR-13

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Source: California Environmental Protection Agency
Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 08/23/05
Date of Next Scheduled EDR Contact: 11/07/05

LOCAL RECORDS

ALAMEDA COUNTY:

Underground Tanks

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 06/28/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/05
Date of Next Scheduled EDR Contact: 10/24/05

Contaminated Sites

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/16/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/25/05
Date of Next Scheduled EDR Contact: 10/24/05

CONTRA COSTA COUNTY:

Site List

Source: Contra Costa Health Services Department
Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/13/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/05
Date of Next Scheduled EDR Contact: 08/29/05

FRESNO COUNTY:

CUPA Resources List

Source: Dept. of Community Health
Telephone: 559-445-3271

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/22/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/25/05
Date of Next Scheduled EDR Contact: 11/07/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Kern County Sites and Tanks Listing.

Date of Government Version: 05/10/05

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/02/05

Date of Next Scheduled EDR Contact: 09/05/05

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works

Telephone: 818-458-5185

Date of Government Version: 02/01/05

Database Release Frequency: Varies

Date of Last EDR Contact: 08/18/05

Date of Next Scheduled EDR Contact: 11/14/05

City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department

Telephone: 310-524-2236

Date of Government Version: 05/31/05

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/05

Date of Next Scheduled EDR Contact: 11/14/05

City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department

Telephone: 562-570-2563

Date of Government Version: 03/28/03

Database Release Frequency: Annually

Date of Last EDR Contact: 08/22/05

Date of Next Scheduled EDR Contact: 11/21/05

City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Date of Government Version: 06/02/05

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/05

Date of Next Scheduled EDR Contact: 11/14/05

City of Los Angeles Landfills

Source: Engineering & Construction Division

Telephone: 213-473-7869

Date of Government Version: 03/01/05

Database Release Frequency: Varies

Date of Last EDR Contact: 06/13/05

Date of Next Scheduled EDR Contact: 09/12/05

HMS: Street Number List

Source: Department of Public Works

Telephone: 626-458-3517

Industrial Waste and Underground Storage Tank Sites

Date of Government Version: 04/28/05

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/05

Date of Next Scheduled EDR Contact: 11/14/05

Site Mitigation List

Source: Community Health Services

Telephone: 323-890-7806

Industrial sites that have had some sort of spill or complaint.

TC01515276.1r Page GR-15

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/05
Database Release Frequency: Annually

Date of Last EDR Contact: 08/15/05
Date of Next Scheduled EDR Contact: 11/14/05

San Gabriel Valley Areas of Concern

Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County

Date of Government Version: 06/28/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/01/05
Date of Next Scheduled EDR Contact: 10/31/05

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/27/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/27/05
Date of Next Scheduled EDR Contact: 09/26/05

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/27/05
Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/05
Date of Next Scheduled EDR Contact: 09/26/05

ORANGE COUNTY:

List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/10/05
Date of Next Scheduled EDR Contact: 09/05/05

List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/10/05
Date of Next Scheduled EDR Contact: 09/05/05

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

TC01515276.1r Page GR-16

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/05
Database Release Frequency: Annually

Date of Last EDR Contact: 06/10/05
Date of Next Scheduled EDR Contact: 09/05/05

PLACER COUNTY:

Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/10/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/20/05
Date of Next Scheduled EDR Contact: 09/19/05

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 951-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/24/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/18/05
Date of Next Scheduled EDR Contact: 10/17/05

Underground Storage Tank Tank List

Source: Health Services Agency
Telephone: 951-358-5055

Date of Government Version: 05/24/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/18/05
Date of Next Scheduled EDR Contact: 10/17/05

SACRAMENTO COUNTY:

CS - Contaminated Sites

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 04/06/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/26/05
Date of Next Scheduled EDR Contact: 10/31/05

ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 07/25/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/05/05
Date of Next Scheduled EDR Contact: 10/31/05

SAN BERNARDINO COUNTY:

Hazardous Material Permits

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

TC01515276.1r Page GR-17

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/05
 Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/05/05
 Date of Next Scheduled EDR Contact: 09/05/05

SAN DIEGO COUNTY:

Solid Waste Facilities

Source: Department of Health Services
 Telephone: 619-338-2209
 San Diego County Solid Waste Facilities

Date of Government Version: 08/01/00
 Database Release Frequency: Varies

Date of Last EDR Contact: 08/22/05
 Date of Next Scheduled EDR Contact: 11/21/05

Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division
 Telephone: 619-338-2268

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/05
 Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/08/05
 Date of Next Scheduled EDR Contact: 10/03/05

SAN FRANCISCO COUNTY:

Local Oversight Facilities

Source: Department Of Public Health San Francisco County
 Telephone: 415-252-3920

Date of Government Version: 06/07/05
 Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/05/05
 Date of Next Scheduled EDR Contact: 09/05/05

Underground Storage Tank Information

Source: Department of Public Health
 Telephone: 415-252-3920

Date of Government Version: 06/07/05
 Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/05/05
 Date of Next Scheduled EDR Contact: 09/05/05

SAN MATEO COUNTY:

Fuel Leak List

Source: San Mateo County Environmental Health Services Division
 Telephone: 650-363-1921

Date of Government Version: 08/11/05
 Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/11/05
 Date of Next Scheduled EDR Contact: 10/10/05

Business Inventory

Source: San Mateo County Environmental Health Services Division
 Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/17/05
Database Release Frequency: Annually

Date of Last EDR Contact: 07/11/05
Date of Next Scheduled EDR Contact: 10/10/05

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 03/29/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/29/05
Date of Next Scheduled EDR Contact: 09/26/05

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 07/06/05
Database Release Frequency: Annually

Date of Last EDR Contact: 06/05/05
Date of Next Scheduled EDR Contact: 09/05/05

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

Date of Government Version: 06/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/27/05
Date of Next Scheduled EDR Contact: 09/12/05

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

Date of Government Version: 06/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/27/05
Date of Next Scheduled EDR Contact: 09/12/05

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 07/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/05
Date of Next Scheduled EDR Contact: 10/24/05

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/18/05
Date of Next Scheduled EDR Contact: 10/03/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.
Date of Government Version: 08/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/23/05
Date of Next Scheduled EDR Contact: 08/22/05

Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).
Date of Government Version: 06/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/05
Date of Next Scheduled EDR Contact: 09/12/05

Underground Tank Closed Sites List

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.
Date of Government Version: 07/05/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/15/05
Date of Next Scheduled EDR Contact: 10/10/05

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.
Date of Government Version: 06/01/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/05
Date of Next Scheduled EDR Contact: 09/12/05

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646
Date of Government Version: 07/19/05
Database Release Frequency: Annually

Date of Last EDR Contact: 07/18/05
Date of Next Scheduled EDR Contact: 10/17/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/10/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/05
Date of Next Scheduled EDR Contact: 09/12/05

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/08/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/29/05
Date of Next Scheduled EDR Contact: 11/28/05

US INST CONTROL: Sites with Institutional Controls

Source: Environmental Protection Agency
Telephone: 703-603-8867

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 07/05/05
Date of Next Scheduled EDR Contact: 10/03/05

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

© 2004 Geographic Data Technology, Inc., Rel. 07/2004. This product contains proprietary and confidential property of Geographic Data Technology, Inc. Unauthorized use, including copying for other than testing and standard backup procedures, of this product is expressly prohibited.

TC01515276 1r Page GR-22

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.
No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

FINAL PHASE I ENVIRONMENTAL SITE
ASSESSMENT FOR CALIFORNIA FOREST
HIGHWAY 112 (CA FH 112)
SOUTH FORK SMITH RIVER ROAD

APPENDIX B

Survey Corridor Photographs

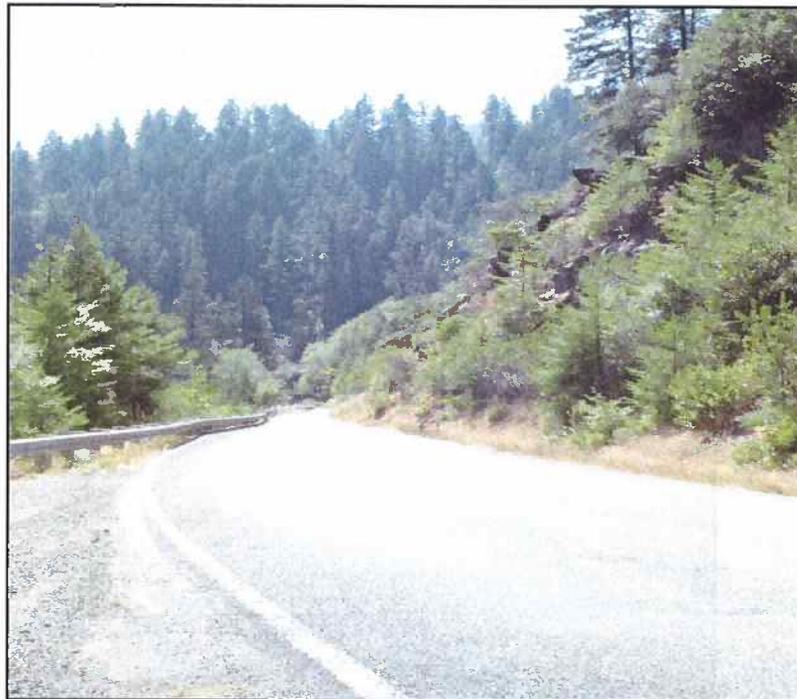


Photo 1. Facing south from the northern boundary of the survey corridor.



Photo 2. Facing northwest looking at the southern boundary of the survey corridor.

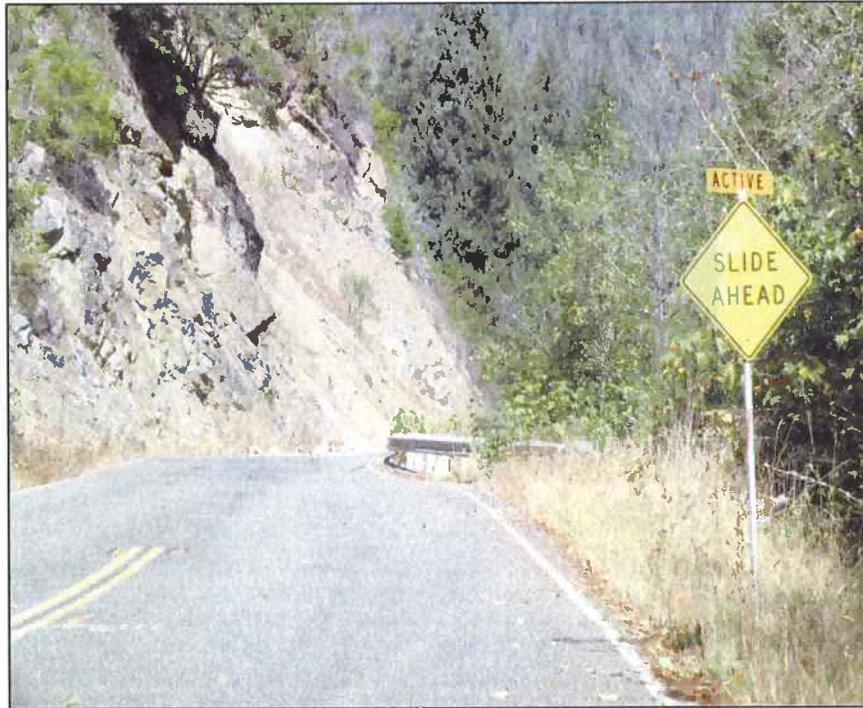


Photo 3. Facing north looking at Slide Area A.



Photo 4. Facing north looking at Slide Area B.



Photo 5. Facing south looking at Slide Area C.



Photo 6. Facing south looking at Slide Area D.



Photo 7. Facing northwest looking at rocks located at Slide Area B.



Photo 8. Facing northwest looking at Rock Creek Bridge.

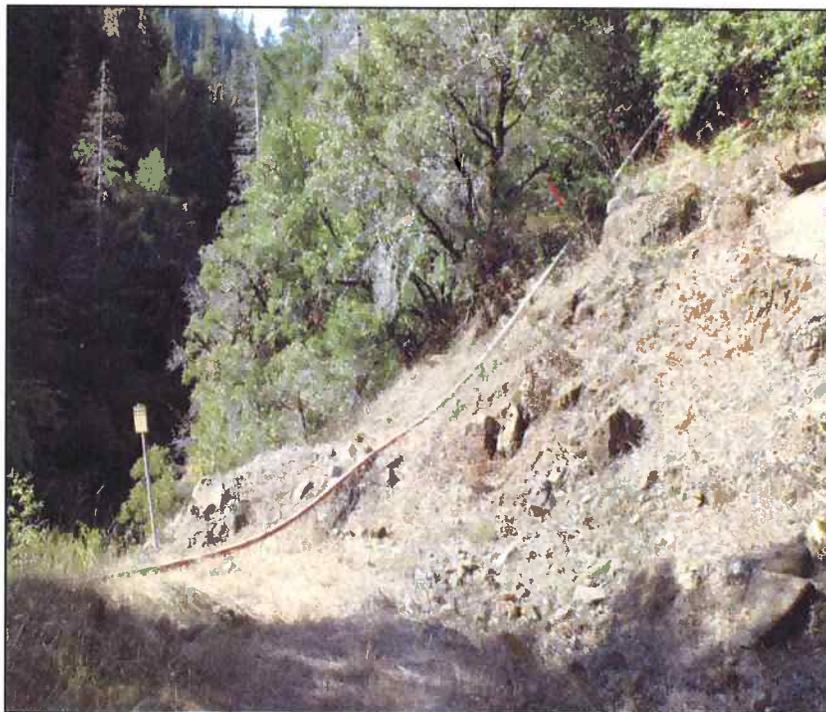


Photo 9. Facing west looking at PVC pipe running from hillside on the north end of Rock Creek Bridge.

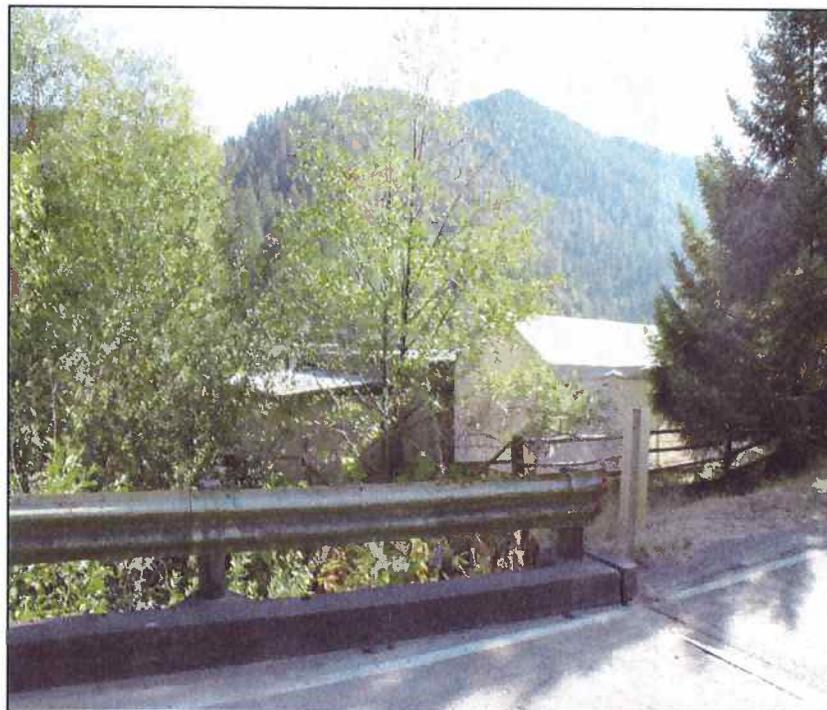


Photo 10. Facing southeast looking at private residence near Rock Creek Bridge.



Photo 11. Facing west looking at abandoned machinery at Rock Creek Bridge.



Photo 12. Facing southeast looking at Boulder Creek Bridge.



Photo 13. Facing north looking at trailer near Boulder Creek Bridge.



Photo 14. Facing north looking at PVC pipe leading to shed west of Boulder Creek Bridge.



Photo15. Facing east looking at residence near Boulder Creek Bridge.



Photo16. Facing southeast looking at Stevens Memorial Bridge.



Photo17. Facing east looking at Hurdy Gurdy Bridge.



Photo 18. Facing north looking at private residence and propane tank near Rock Creek Bridge.



Photo 19. Facing south looking at U.S. Forest Service campground sign. Campground entrance located to right of sign.



Photo 20. Facing west looking at main residence at Big Flat Guard Station.



Photo 21. Facing south looking at old pump house concrete pad.

FINAL PHASE I ENVIRONMENTAL SITE
ASSESSMENT FOR CALIFORNIA FOREST
HIGHWAY 112 (CA FH 112)
SOUTH FORK SMITH RIVER ROAD

APPENDIX C

Sampling Event Photographs

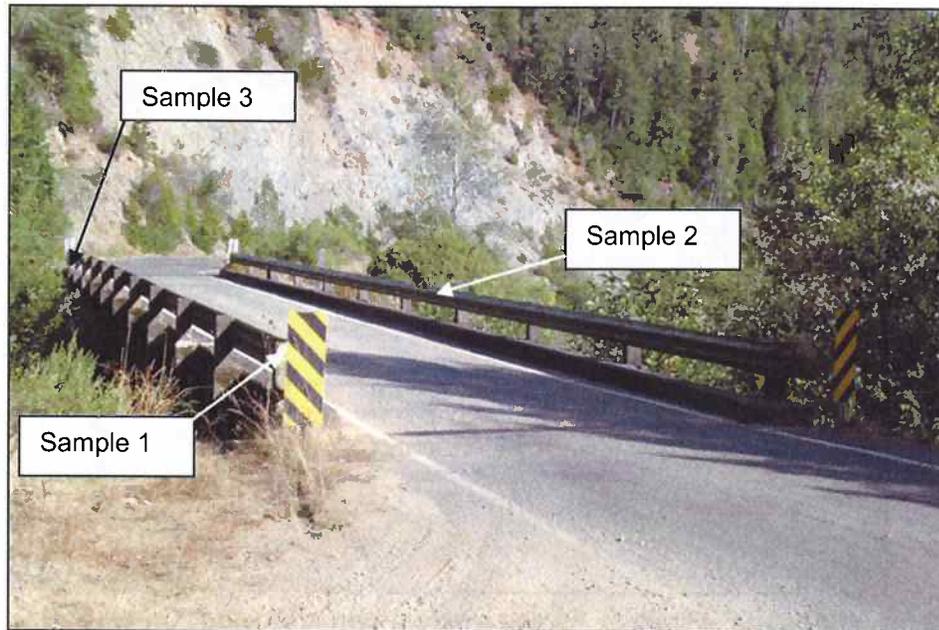


Photo A. Taken facing west looking at Rock Creek Bridge.



Photo B. Rock Creek Bridge Sample 1 being taken from the southeast side of guardrail.

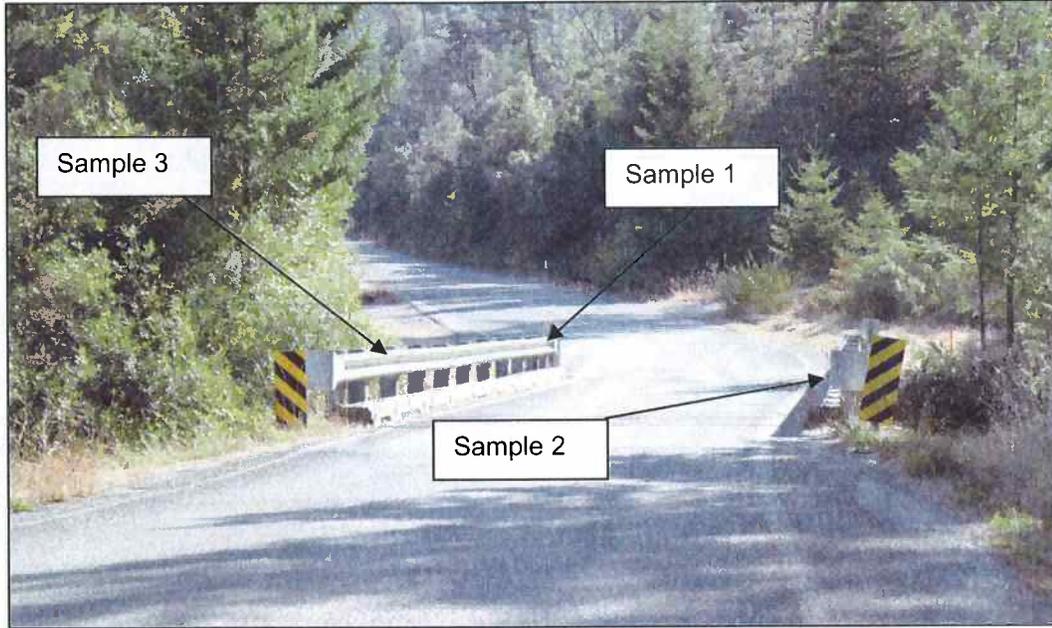


Photo C. Facing west looking at Boulder Creek Bridge.



Photo D. Boulder Creek Bridge Sample 1 being taken from the northeast side of guardrail.



Photo E. Facing east looking at Stevens Memorial Bridge. Samples taken on northwest and southwest girders.



Photo F. Sampling conducted on steel girders of Stevens Memorial Bridge. Location of Sample 1.



Photo G. Facing east looking at Hurdy Gurdy Creek Bridge.



Photo H. Hurdy Gurdy Bridge Sample 3 being taken from the south side of guardrail.

DRAFT PHASE I ENVIRONMENTAL SITE ASSESSMENT
FOR CALIFORNIA FOREST HIGHWAY 112 (CA FH 112)
SOUTH FORK SMITH RIVER ROAD

APPENDIX D

ACZ Laboratories Analytical Report

October 18, 2005

Report to:
Tiffany Richardson
Science Applications Int'l Corp.
405 Urban Street Suite 400
Lakewood, CO 80228

Bill to:
Tiffany Richardson
Science Applications Int'l Corp.
405 Urban Street Suite 400
Lakewood, CO 80228

Project ID: 4400119445
ACZ Project ID: L53563

Tiffany Richardson:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 05, 2005. This project has been assigned to ACZ's project number, L53563. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 11.0. The enclosed results relate only to the samples received under L53563. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after November 18, 2005. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

18/Oct/05

Sue Barkey, Project Manager, has reviewed and approved this report in its entirety.



Science Applications Int'l Corp.Project ID: 4400119445
Sample ID: BCB-1ACZ Sample ID: **L53563-01**
Date Sampled: 09/27/05 10:15
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	720		*	mg/Kg	10	50	10/12/05 22:10	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/10/05 20:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445

Sample ID: BCB-2

ACZ Sample ID: **L53563-02**

Date Sampled: 09/27/05 10:15

Date Received: 10/05/05

Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	116		*	mg/Kg	4	20	10/12/05 22:35	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 1:00	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: BCB-3

ACZ Sample ID: **L53563-03**
Date Sampled: 09/27/05 10:15
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	618		*	mg/Kg	4	20	10/12/05 22:39	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 2:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445

Sample ID: RCB-1

ACZ Sample ID: **L53563-04**

Date Sampled: 09/27/05 09:00

Date Received: 10/05/05

Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	2950		*	mg/Kg	4	20	10/12/05 22:43	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 4:00	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: RCB-2

ACZ Sample ID: **L53563-05**
Date Sampled: 09/27/05 09:00
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	232		*	mg/Kg	4	20	10/12/05 22:47	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 5:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445

Sample ID: RCB-3

ACZ Sample ID: **L53563-06**

Date Sampled: 09/27/05 09:00

Date Received: 10/05/05

Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	6610		*	mg/Kg	4	20	10/12/05 22:52	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 7:00	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: HGB-1

ACZ Sample ID: **L53563-07**
Date Sampled: 09/27/05 11:30
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	1010		*	mg/Kg	4	20	10/12/05 22:56	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 8:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: HGB-2

ACZ Sample ID: **L53563-08**
Date Sampled: 09/27/05 11:30
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	4750		*	mg/Kg	4	20	10/12/05 23:00	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 10:00	gme

Science Applications Int'l Corp.

Project ID: 4400119445
 Sample ID: HGB-3

ACZ Sample ID: **L53563-09**
 Date Sampled: 09/27/05 11:30
 Date Received: 10/05/05
 Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	1700		*	mg/Kg	4	20	10/12/05 23:04	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 11:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: SMB-1

ACZ Sample ID: **L53563-10**
Date Sampled: 09/27/05 11:00
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	2430		*	mg/Kg	40	200	10/14/05 2:31	mea

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 13:00	gme

Science Applications Int'l Corp.

Project ID: 4400119445

Sample ID: SMB-2

ACZ Sample ID: **L53563-11**

Date Sampled: 09/27/05 11:00

Date Received: 10/05/05

Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	2100		*	mg/Kg	40	200	10/14/05 2:35	mea

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 14:30	gme

Science Applications Int'l Corp.

Project ID: 4400119445
Sample ID: SMB-3

ACZ Sample ID: **L53563-12**
Date Sampled: 09/27/05 11:00
Date Received: 10/05/05
Sample Matrix: *Miscellaneous*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lead, total (3050)	M6010B ICP	2230		*	mg/Kg	4	20	10/12/05 23:25	jjc

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Digestion - Hot Plate	M3050B ICP							10/11/05 16:00	gme

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit, typically 5 times the MDL.
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
U	Analyte was analyzed for but not detected at the indicated MDL.
V	High blank data accepted because sample concentration is 10 times higher than blank concentration.
W	Poor recovery for Silver quality control is accepted because Silver often precipitates with Chloride.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.

Science Applications Int'l Corp.
 Project ID: SAIC-CO

ACZ Project ID: **L53563**

Lead, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG197538													
WG197538ICV	ICV	10/12/05 21:36	II050919-2	4		3.945	mg/L	98.6	90	110			
WG197538ICB	ICB	10/12/05 21:40				U	mg/L		-0.04	0.04			
WG197405PBS	PBS	10/12/05 21:57				U	mg/Kg		-4	4			
WG197405LCSS	LCSS	10/12/05 22:01	PCN22792	76.8		83.1	mg/Kg		61.9	91.8			
WG197405LCSSD	LCSSD	10/12/05 22:06	PCN22792	76.8		84.6	mg/Kg		61.9	91.8	1.8	20	
L53563-01MS	MS	10/12/05 22:18	II051001-2	248	720	1024	mg/Kg	122.6	75	125			
L53563-01MSD	MSD	10/12/05 22:22	II051001-2	248	720	1039	mg/Kg	128.6	75	125	1.45	20	MA
WG197621													
WG197621ICV	ICV	10/14/05 1:33	II050919-2	4		3.775	mg/L	94.4	90	110			
WG197621ICB	ICB	10/14/05 1:37				U	mg/L		-0.04	0.04			
WG197405PBS	PBS	10/14/05 1:54				U	mg/Kg		-4	4			
WG197405LCSS	LCSS	10/14/05 1:58	PCN22792	76.8		77.7	mg/Kg		61.9	91.8			
WG197405LCSSD	LCSSD	10/14/05 2:02	PCN22792	76.8		80.9	mg/Kg		61.9	91.8	4	20	
L53563-01MS	MS	10/14/05 2:15	II051001-2	248	680	963	mg/Kg	114.1	75	125			
L53563-01MSD	MSD	10/14/05 2:19	II051001-2	248	680	960	mg/Kg	112.9	75	125	0.31	20	

Science Applications Int'l Corp.

ACZ Project ID: L53563

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L53563-01	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-02	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-03	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-04	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-05	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-06	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-07	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-08	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-09	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.
L53563-10	WG197621	Lead, total (3050)	M6010B ICP	D1	Sample required dilution due to matrix interference.
L53563-11	WG197621	Lead, total (3050)	M6010B ICP	D1	Sample required dilution due to matrix interference.
L53563-12	WG197538	Lead, total (3050)	M6010B ICP	MA	One spike recovery was outside of the acceptance limits; the duplicate spike recovery and the RPD were within the acceptance limits.

Science Applications Int'l Corp.

ACZ Project ID: **L53563**



No certification qualifiers associated with this analysis

Science Applications Int'l Corp.
SAIC-CO

ACZ Project ID: L53563
Date Received: 10/5/2005
Received By:
Date Printed: 10/5/2005

Receipt Verification

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
		X
		X
X		
X		
X		
X		
X		
X		
		X
		X
		X
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
ENVELOPE	20	10

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Science Applications Int'l Corp.
 SAIC-CO

ACZ Project ID: L53563
 Date Received: 10/5/2005
 Received By:

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	Y < 2	YG < 2	B < 2	BG < 2	O < 2	T > 12	P > 12	N/A	RAD
L53563-01	BCB-1										X	
L53563-02	BCB-2										X	
L53563-03	BCB-3										X	
L53563-04	RCB-1										X	
L53563-05	RCB-2										X	
L53563-06	RCB-3										X	
L53563-07	HGB-1										X	
L53563-08	HGB-2										X	
L53563-09	HGB-3										X	
L53563-10	SMB-1										X	
L53563-11	SMB-2										X	
L53563-12	SMB-3										X	

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BG	Filtered/Sulfuric	BLUE GLASS	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

ATTN: Sample Receiving L53543
PO 4400119445

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Tiffany Richardson Address: 405 Urban St., Suite 400
 Company: SAIC
 E-mail: richardson.t@saic.com Telephone: 303-969-6000 or 6049

Copy of Report to:

Name: _____ E-mail: _____
 Company: _____ Telephone: _____

Invoice to:

Name: SAME Address: _____
 Company: _____
 E-mail: _____ Telephone: _____

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO
 If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION ANALYSES REQUESTED (attach list or use quote number)

Quote #: PB-PAINT - see attached
 Project/PO #: Client code: SAIC-CO
 Shipping Co.: FedEx
 Tracking #: _____
 Reporting state for compliance testing: _____
 Are any samples NRC licensable material? NO

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	LB Paint Samples	# of Containers	Lead, Total (3050)	M6010 B ICP
BCB-1	9/27/05 1015	Other		1	X	
BCB-2	9/27/05 1015			1		
BCB-3	9/27/05 1015			1		
RCB-1	9/27/05 0900			1		
RCB-2	9/27/05 0900			1		
RCB-3	9/27/05 0900			1		
HGB-1	9/27/05 1130			1		
HGB-2	9/27/05 1130			1		
HGB-3	9/27/05 1130			1		
SMB-1	9/27/05 1100		✓	1	✓	

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

PAGE 1 of 2

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME	Page
<u>Tiffany Richardson</u>	<u>9/29/05 1130</u>	<u>TSC</u>	<u>10/18/05 10:00</u>	<u>1</u>
				<u>of</u>
				<u>2</u>

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical
Quote

Tiffany Richardson
Science Applications Int'l Corp.
405 Urban Street Suite 400
Lakewood, CO 80228

Page 1 of 2
3/23/2005

Quote Number: PB-PAINT

Matrix: Miscellaneous Lead analysis on 12 paint chip samples.

Parameter	Method	Detection Limit	Cost/Sample
Metals Analysis			
Lead, total (3050)	M6010B ICP	0.04 mg/Kg	\$9.00
Misc.			
Electronic Data Deliverable			\$0.00
Quality Control Summary			\$0.00
Setup charge for ICP, total			\$18.00
Sample Preparation			
Digestion - Hot Plate	M3050B ICP		\$13.00
		Cost/Sample	\$40.00

Pricing is based on a standard turn around time of 21 days, EDD's and reporting that includes a quality control summary.

12 samples @ \$ 40.⁰⁰
= 480.⁰⁰

D/ 21 PI

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical
Quote

Tiffany Richardson
Science Applications Int'l Corp.
405 Urban Street Suite 400
Lakewood, CO 80228

Page 2 of 2
3/23/2005

Quote Number PB-PAINT

Pricing includes shipment of all standard sample containers and related paperwork by UPS Ground Service. Please allow three to five days for delivery when ordering containers. ACZ must be notified prior to receiving samples of all special requests such as electronic data deliverables or special reporting requirements. The client will be charged for special sample containers or expedited shipping and additional charges may apply for non-standard requests.

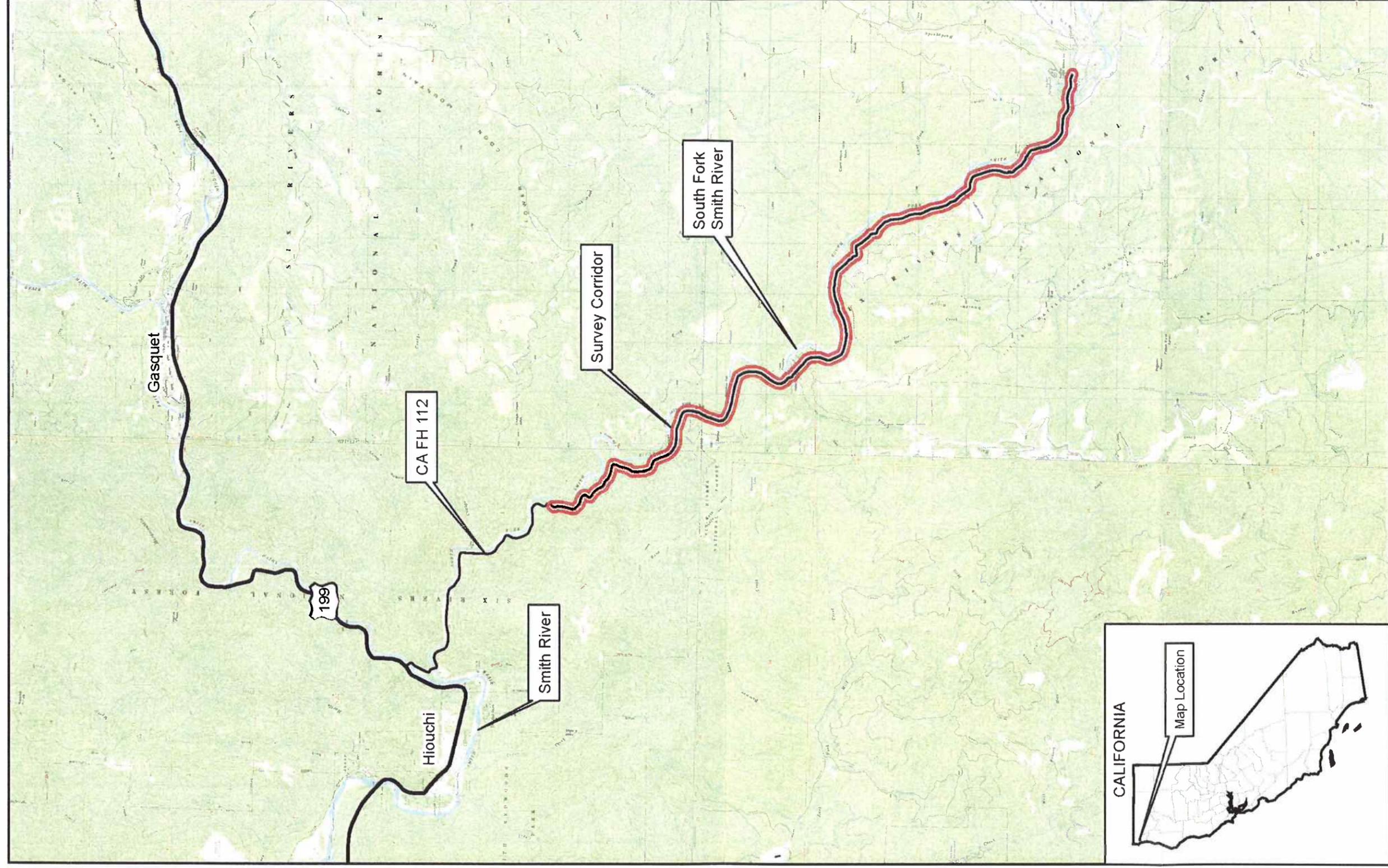
This quotation is valid for six months from the bid date and must be signed and returned to ACZ before project(s) is received. An authorized signature represents acceptance of the pricing as well as the general terms and conditions of ACZ Laboratories, Inc. Our general terms and conditions can be downloaded from our web site at <http://www.acz.com/eservices/download.html>.

ACZ Representative (Authorized signature and date) _____

Client Representative (Authorized signature and date) _____

D/ 21 P/

FIGURES



Base Map Source: 1:24,000 USGS Topographic Maps
Cant Hook Mtn 1982, Childs Hill 1975, Gasquet 1981,
Hiouchi 1966, California

Figure 1. California Forest Highway 112 Project Vicinity
Hiouchi, California

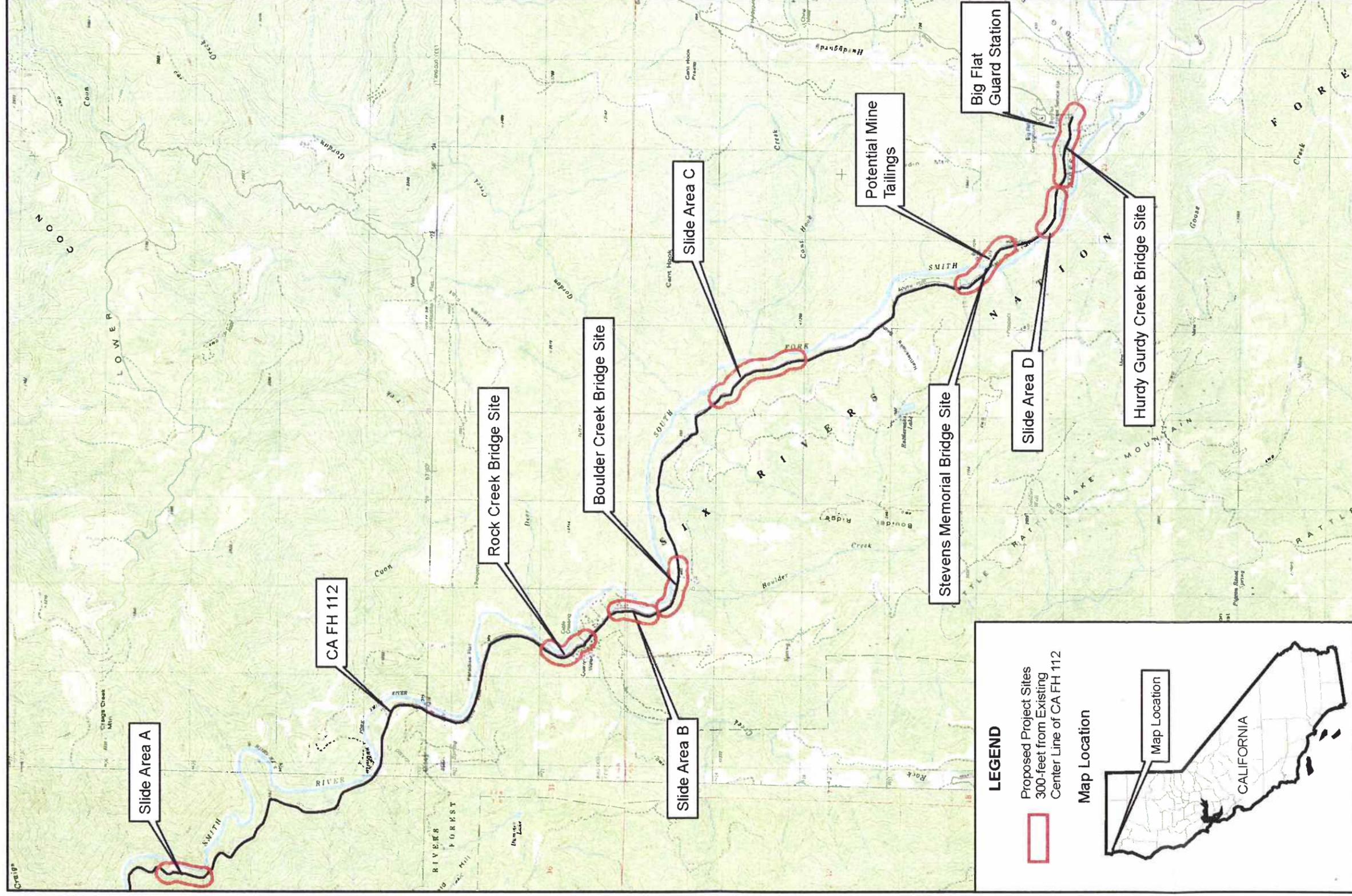


Figure 2. California Forest Highway 112 Survey Corridor Detail
 Hiouchi, California

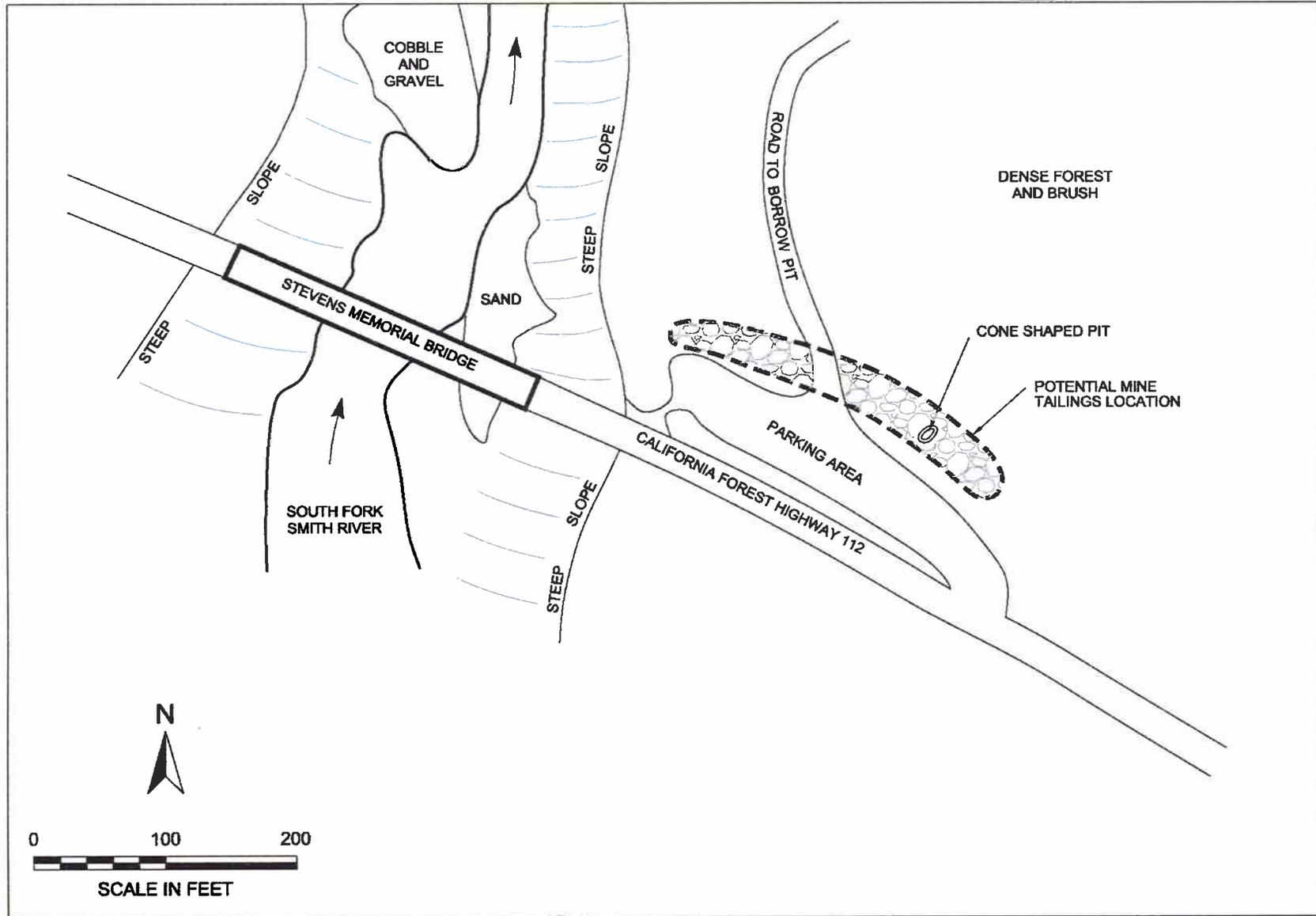


Figure 3. Potential Mine Tailings near the Stevens Memorial Bridge.
California Forest Highway 112, Hiouchi, California

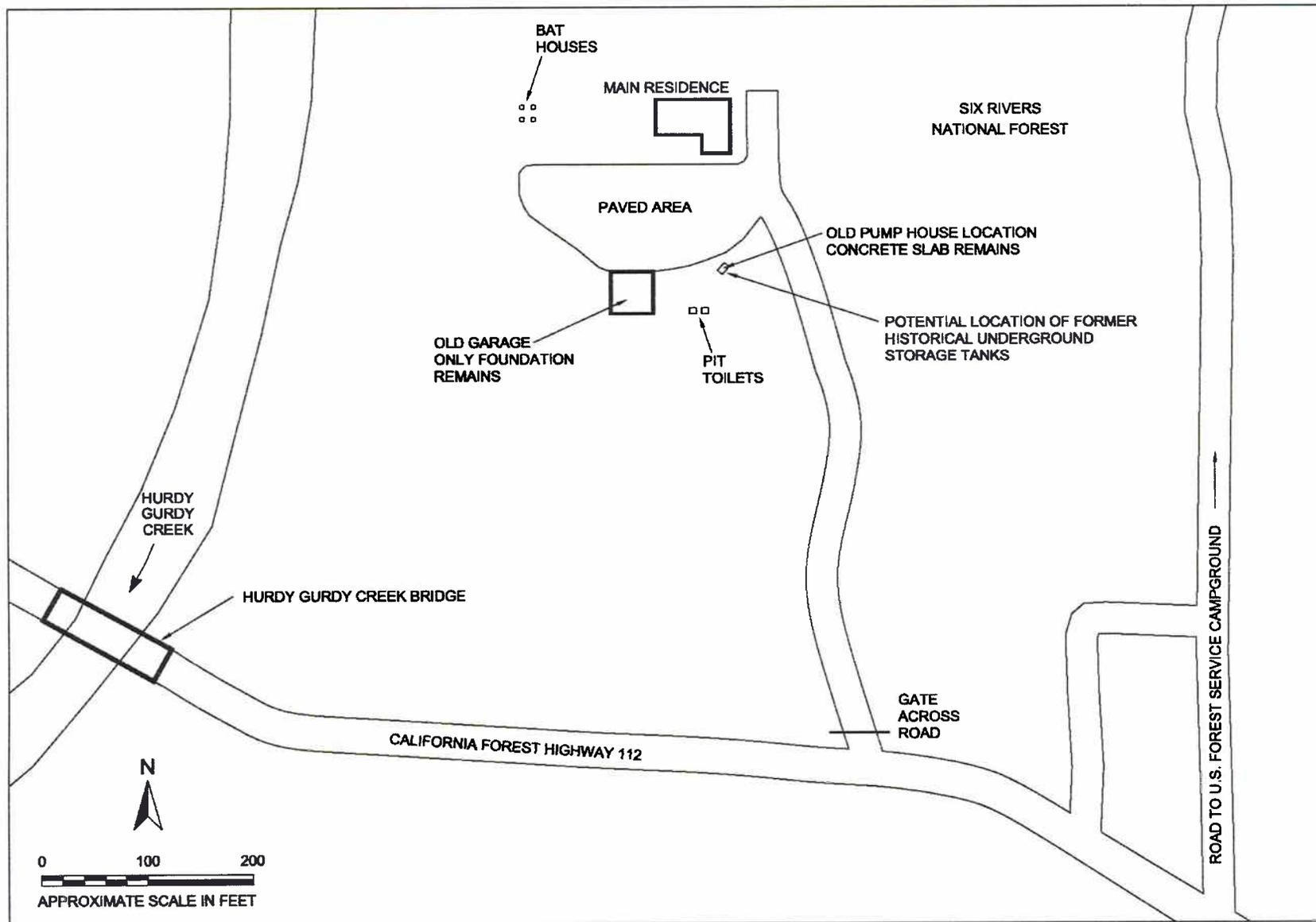


Figure 4. Potential Location of Two Historical Underground Storage Tanks at the Big Flat Guard Station, Six Rivers National Forest. California Forest Highway 112, Hiouchi, California.

