SNOHO SH
HEA
DISTRICT

*Serving the Public Health of Snohomis qty and its Incorporated Cities and Towns*

**M. WARD HINDS, .D., M.P.H.**
*Health Officer*

| | | | |
|---|---|---|---|
| Vital Statistics | (206) 339-5280 | Administration Office | (206) 339-5210 |
| Clinic Service | (206) 339-5220 | Community Health Division | (206) 339-5230 |
| Sanitation Program | (206) 339-5270 | Environmental Health Division | (206) 339-5250 |
| HIV/AIDS Program | (206) 339-5251 | FAX | (206) 339-5216 |


July 13, 1994

MR GERALD JENSEN
MONROE AUTO SALVAGE
151 CHARLES ST
MONROE WA 98275

Subject: Sampling Results from Monroe Auto Salvage

Dear Mr. Jensen:

Enclosed is a copy of the test results from soil samples collected on your property on May 17, 1994. There were several contaminants found that exceed Model Toxics Control Act (MTCA) Cleanup Levels. The contaminants were lead, cadmium, chromium, total petroleum hydrocarbons (diesel and other), and polychlorinated biphenyls (PCBs).

PCBs can present a health concern to any who are exposed to the chemical via skin contact, ingestion, or inhalation. I have also enclosed copies of information from the book *Toxics A to Z, A Guide to Everyday Pollution Hazards,* discussing some of the health concerns with PCBs.

The two areas where PCBs were found on your property were the power pole near the old saw mill and the drainage area near the creek. The sampling results were 1800 ppm near the old saw mill and five ppm in the drainage area. The MTCA Cleanup Level is one ppm. PCBs were used in the oils in transformers and capacitors. There may also be PCBs in the building where power equipment was housed for the old saw mill.

A follow-up sampling of the creek sediments, along with a sample or two near the former saw mill, will be completed to help us determine if further action is needed, such as posting of the property or issuance of a health advisory. The property would be posted to warn people using the creek or employees working near the area of the contaminated soil.

I have been in contact with Gail Colburn of the Department of Ecology (Ecology). After discussing the site with her, it was decided that you should hire an environmental consultant to conduct interim cleanup of the PCB contamination on your property. You should be able to demonstrate significant progress on the interim cleanup within 90 days from the date of this letter.

Following the interim cleanup, a full site assessment of the contamination of your property should be completed to determine further cleanup action.

The information discovered through our sampling of your property will be used to score the sité through the Washington Ranking Method and placed on the ranked list of hazardous sites in the state of Washington. This list prioritizes hazardous sites in the state of Washington from scores obtained in evaluating environmental and human health pathways.

If the interim cleanup has not been completed within 90 days from the date of this letter, this file will be forwarded to Ecology for further action.

Please contact me at 339-5250 if you have any questions concerning this matter.

Sincerely,

Gary Hanada, R.S.
Environmental Health Specialist

GGH:ek

Enclosures

cc. Gail Colburn, Ecology
Michael Spencer, Ecology

in solid form and decompose at temperatures greater than 600°F. Both PBBs and PCBs are generally resistant to breakdown by light, heat, and air and are not soluble in water.

## Exposure and Distribution

Polychlorinated biphenyls and related organochlorines, such as **DDT** and **dioxin**, are the most widely distributed and persistent chemicals known. Although manufacture and leaky uses of PCBs were curtailed in the mid-1970s, significant reservoirs of PCBs remain in soils, sediments, water, waste disposal sites, and existing electrical capacitors and transformers. Consequently, the compounds are taken up from soils and sediments by organisms and transferred through the food chain, released accidentally from existing electrical equipment, and allowed to escape to the atmosphere when improperly incinerated (that is, at temperatures insufficiently high to destroy them).

The North Atlantic Ocean is the dominant sink for PCBs, accounting for 50 to 80% of the PCBs in the environment. The major continental reservoir is the freshwater sediments in the United States. Particularly high levels of PCBs have been detected in numerous places throughout the Great Lakes. PCBs have even been found in the sediments on the bottom of a remote wilderness lake, apparently as a result of atmospheric deposition. Because of their persistence and continuing inadvertent release, PCBs threaten commercial and/or sport fishing in many major U.S. rivers and lakes. For example, as a result of contamination, commercial fishing for striped bass and five other species of fish was prohibited in New York's Hudson River. Health advisories have been issued to limit the consumption of fish taken by sport fishermen in many industrialized areas around the country. A recent report by the National Wildlife Federation concluded that eating certain popular species of fish from Lake Michigan poses human health risks.

Although resistant to breakdown, PCBs can be slowly decomposed by soil bacteria. The length of time required depends on the degree of chlorination. Certain PCBs react to **ultraviolet light** in a way that produces new forms that are considerably more toxic than the parent compounds. PCBs can be absorbed by the digestive tract, skin, and lungs. Monitoring indicates that nearly everyone has been exposed to PCBs, typically through consumption of water or contaminated foods, especially fish and possibly waterfowl. Poultry, eggs, and milk have been contaminated in the past. Certain segments of the population have been exposed or run the risk of exposure from faulty or leaky electrical equipment, such as office building air conditioning systems, or from low-temperature incineration of wastes containing PCBs as might occur when PCB-containing wastes are unwittingly handled by municipal disposal companies.

## Health Effects

PCBs are considered highly toxic, but the toxicity varies from one commercial product to another depending on the extent of chlorination of the mixture. In general, the greater the chlorination, the greater the toxicity. Symptoms associated with PCB poisoning include *chloracne* (as with **dioxin** poisoning), increased pigmentation of fingernails and gums, changes in the immune system, and respiratory distress. Also, acute and chronic exposure can cause irritation of the eyes, nose, and throat, as well as liver damage, jaundice, nausea, vomiting, abdominal pain, and gray-brown discoloration of the skin.

Laboratory studies show that PCBs produce a variety of unwanted effects in diverse test animals. PCBs can cross the placenta and are toxic to the embryo, causing numerous adverse reproductive effects, particularly increased stillbirths, spontaneous abortions, and fetal absorptions. They also affect survival of weanlings in rodents, monkeys, and mink. In addition, following exposure to PCBs, the immune system of rodents is sup-

pressed; chickens exhibit changes in the liver and edema in the young; and skin lesions are produced in several species of animals besides humans, including primates, horses, and cattle.

On the basis of animal tests, PCBs are classified as probable human carcinogens (group $B_2$; see Chapter 3, Section B). NIOSH regards PCBs as occupational carcinogens. Rodent tests indicate that PCBs cause liver cancer and possibly stomach cancer, perhaps as a result of interactions with **nitrosamines**. Moreover, in humans, there is some evidence of increased incidence of melanoma among men exposed to Arachlor 1254, a tradename for a certain mixture of PCBs. Also, an unexplained association exists between high PCB levels in the blood and both elevated cholesterol levels and elevated blood pressure.

Studies indicate that PBBs produce an array of health effects (including liver cancer in rodents) similar to those of PCBs, but that exposure is much less likely since PBBs have been used in far smaller quantities and distributed more locally.

### Protection and Prevention

The primary means of protection is to avoid eating fish (or waterfowl) that are contaminated with PCBs. State wildlife agencies or fish and game agencies monitor PCB levels in food fish species and issue warnings about consumption, which should be heeded. Because PCBs cross the placenta, pregnant women are advised to be especially careful to avoid contaminated fish. Workers involved in the cleanup of accidental leaks and spills of PCBs are required to wear special protective clothing, eye covering, and respirators. Anyone exposed to PCBs should flush contaminants from the skin or eyes and should contact a physician immediately.

A key element in protecting the public and the environment from exposure to PCBs (and PBBs) is to get rid of existing stocks—in sediments, at hazardous waste sites, and in electrical equipment. But disposal or destruction of PCBs and similar organochlorines is tricky. Although a few chemical waste disposal facilities have been approved for their disposal, there is serious concern about the likelihood of preventing future groundwater and soil contamination from these sites. Certain physical and chemical treatments can effectively decompose or destroy PCBs, but these methods are generally expensive and thus impractical for large volumes or dilute concentrations of PCBs. The preferred method of dealing with PCBs is high-temperature (2000 to 3000°F) incineration with excess oxygen, which can achieve virtually complete destruction. Unfortunately, even in very efficient incinerators, some unwanted by-products may be produced, particularly dioxin and dibenzofurans. So the *bottom ash* and *fly ash* from smokestacks with scrubbers that remove chlorine-containing compounds must be treated as hazardous wastes.

### Environmental Effects

Numerous studies show that some kinds of phytoplankton are highly sensitive to PCBs (and other organochlorines). The degree of sensitivity varies with certain physical conditions, such as the intensity of light. The primary effect is a reduction in growth of sensitive species, which permits resistant species to become dominant. The long-term effects of such changes are uncertain, but may have significant impacts on those organisms that depend on phytoplankton as a food source.

Because PCBs are as persistent and widespread in the environment as DDT, their potential impact on a variety of nontarget species has been well studied. While PCB residues have been found in the tissue of adult birds (for example, ospreys and bald eagles) and in their nonsurviving eggs, PCBs are not directly correlated with eggshell thinning and consequent breakage. Instead, it appears that PCBs may significantly enhance the effect of DDE, the primary breakdown product of DDT. Recent wildlife studies on several spe-

AMTEST

AmTest Inc.

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14603 N.E. 87th St.
Redmond, WA
98052

Fax: 206 883 3495

Tel: 206 885 1664

# FAX COVER SHEET

Date: 6/15/94

To: Gary Hanaka - notified X467

Company Name: Sno. Co. Health Dept.

Phone #: _____ Fax #: 339-5216

From: Mark Fujiel

Number of pages including cover sheet: 4

We are transmitting from a Xerox Model 7033, fax number (206) 883-3495. If you experience difficulty with this transmission, please call (206) 885-1664.

# ANALYSIS REPORT AM TEST

Snohomish Health District
Gary Hanada

Date Received: 5/18/94
Date Reported: 6/13/94

## SOIL SAMPLES

| | |
|---|---|
| AM TEST Identification Number | 94-A009233 |
| Client Identification | M-2 SE of Off/Shop Bldg |
| Sampling Date | 5/17/94 |

| PARAMETER | RESULT | Q | D.L. |
|---|---|---|---|
| **PESTICIDES & PCB's (EPA Method 8080)** | | | |
| **PCB's** | | | |
| Arochlor 1016 | < 200 | | 200 |
| Arochlor 1221 | < 800 | | 800 |
| Arochlor 1232 | < 200 | | 200 |
| Arochlor 1242 | < 200 | | 200 |
| Arochlor 1248 | < 200 | | 200 |
| Arochlor 1254 | 310 | | 200 |
| Arochlor 1260 | < 200 | | 200 |
| **SURROGATE (% Recovery)** | | | |
| Hexabromobenzene | 127. | | |

All values are in ug/kg (dry weight).

# ANALYSIS REPORT AmTEST

Snohomish Health District
Gary Hanada

Date Received: 5/18/94
Date Reported: 6/13/94

## SOIL SAMPLES

| | |
|---|---|
| AM TEST Identification Number | 94-A009234 |
| Client Identification | M-3 E of Old Mill Bldg |
| Sampling Date | 5/17/94 |

| PARAMETER | RESULT | Q | D.L. |
|---|---|---|---|
| **PESTICIDES & PCB's (EPA Method 8080)** | | | |
| **PCB's** | | | |
| Arochlor 1016 | < 800000 | | 800000 |
| Arochlor 1221 | < 3200000 | | 3200000 |
| Arochlor 1232 | < 800000 | | 800000 |
| Arochlor 1242 | < 800000 | | 800000 |
| Arochlor 1248 | < 800000 | | 800000 |
| Arochlor 1254 | 1800000 | | 800000 |
| Arochlor 1260 | < 800000 | | 800000 |
| **SURROGATE (% Recovery)** | | | |
| Hexabromobenzene | Comment | | |

All values are in ug/kg (dry weight).

# ANALYSIS REPORT

AMTEST

Snohomish Health District
Gary Hanada

Date Received: 5/18/94
Date Reported: 6/13/94

## SOIL SAMPLES

| | |
|---|---|
| AM TEST Identification Number | 94-A009235 |
| Client Identification | M-4 SW Side Near Creek |
| Sampling Date | 5/17/94 |

| PARAMETER | RESULT | Q | D.L. |
|---|---|---|---|
| **PESTICIDES & PCB's (EPA Method 8080)** | | | |
| **PCB's** | | | |
| Arochlor 1016 | < 580 | | 580 |
| Arochlor 1221 | < 2300 | | 2300 |
| Arochlor 1232 | < 580 | | 580 |
| Arochlor 1242 | < 580 | | 580 |
| Arochlor 1248 | < 580 | | 580 |
| Arochlor 1254 | 5800 | | 580 |
| Arochlor 1260 | < 580 | | 580 |
| **SURROGATE (% Recovery)** | | | |
| Hexabromobenzene | 140. | | |

All values are in ug/kg (dry weight).

WTPH-HCID (HYDROCARBON IDENTIFICATION)

| | | |
|---|---|---|
| Fuel Types Identified | Oil | |
| Gasoline | mg/kg | < 20 |
| Diesel | mg/kg | < 50 |
| Heavy Oil | mg/kg | > 100 |
| SURROGATE (% Recovery) | | |
| Bromofluorobenzene | % | 97.0 |
| 2-Fluorobiphenyl | % | 99.0 |

Values on a "dry weight basis"

JUN/15/1994

INVOICE 71007
Page 1

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Redmond, WA
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Fax: 206 883 3495

Tel: 206 885 1664

SNOHOMISH HEALTH DISTRICT

ACCOUNTS PAYABLE DEPT.
3020 RUCKER AVE #102
EVERETT, WA 98201

June 15, 1994

Customer: 323300

Project Name:
MONROE AUTO SALVAGE

TERMS: NET 30 DAYS PAST DUE ACCOUNTS 1½ PERCENT INTEREST PER MONTH

SAMPLE ANALYSIS: WATER CHEM, TRACE ORGANIC, IND

| | | | |
|---|---|---|---|
| ICP METALS | 4 @ | 60.00 | 240.00 |
| MERCURY BY CV | 4 @ | 25.00 | 100.00 |
| LEAD BY GFAA | 4 @ | 12.00 | 48.00 |
| PCBs | 3 @ | 95.00 | 285.00 |
| WTPH-HCIDs | 4 @ | 50.00 | 200.00 |
| TPH (418) | 4 @ | 40.00 | 160.00 |
| WTPH-D | 3 @ | 80.00 | 240.00 |

TOTAL AMOUNT DUE . . . . . 1,273.00

SAMPLE NUMBERS: 94-A009232 THROUGH 9235



CC: SHD – G Howard (Report copy only)

DEPARTMENT OF ECOLOGY
TOXICS CLEANUP PROGROM
SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS
FOR
WASHINGTON RANKING METHOD

SURFACE WATER, AIR AND GROUND WATER ROUTES ONLY

Site Name: Monroe Auto Salvage

Location: Fremont and Ann St, Monroe WA

Site owner/operator: Gordon Jensen

Address: 151 Charles St., Monroe

Any other known PLP(s): _____

Address: _____

Date(s) of field site hazard assessment: May 17, 1994

Samples or field measurements: X soil _____ surface water
_____ air _____ ground water

(Attach copies of pertinent sampling and analytical data, as well as all other supporting documentation.)

Photographs: X

Weather: Cloudy, 58°F, SW - 4 mph wind

Lead inspector: Gary Hanadel

Other inspectors: Mike Young

Signature: [signature]

rev. 4/24/92

## PART I: Hazardous Substances

NOTE: Page numbers shown by "route" (e.g. SW-2, A-13) in parentheses throughout this checklist refer to the revisedWARM Scoring Manual. WK-numbers refer to page numbers of the worksheets at the end of the scoring manual. These are also presented in this guidance in Appendix B.

A. Hazardous substances

List specific hazardous substances, known or suspected (check k or s), currently, or that have been previously (check c or p), at the site property (WK-2, WK-3). Give an estimate, if available, of the quantity (not concentration) of each:

| Hazardous Substance | K | S | C | P | Quantity | Units |
|---|---|---|---|---|---|---|
| 1. Cadmium | K | | | | | |
| 2. Lead | K | | | | | |
| 3. Polychlorinated Biphenols | K | | | | | |
| 4. WTPH | K | | | | | |
| 5. Chromium | | | | | | |
| 6. | | | | | | |

Additional?_____(list on attachment)

By which routes are these available? (WK-2, WK-3)

| Number (from above) | Surface Water | Air | Groundwater |
|---|---|---|---|
| 1. 1 | X | | X |
| 2. 2 | X | | X |
| 3. 3 | X | | X |
| 4. 4 | X | | X |
| 5. 5 | X | | X |
| 6. | | | |

References: SHA

B. SOURCES

Check those known or observed (WK-2, WK-3):

_____ drums or other containers
_____ electrical transformers
_____ above ground tanks
_____ below ground tanks
_____ ponds, pits, or other impoundments
_____ pipelines (other than water, sewer, or gas)
_____ floor drains
_____ exterior drains for rainwater, surface waters, spills, etc.
_____ other? Identify:_____
_____
_____

C. INDICATORS

Check those known or observed (SW-5; A-8, A-9; GW-6):

__X__ discolored soils
_____ disturbed soils
__X__ discolored standing water
__X__ unusual or noxious odors
_____ sick or dead vegetation
_____ groundwater monitoring wells
_____ other? Identify:_____
_____
_____
_____

If any are checked in B or C, explain details including exact locations (identify location on a map or drawing).

Additional information/references:_____
_____
_____
_____
_____

**PART II: Releases**

A. KNOWN OR SUSPECTED RELEASES

List those hazardous substances identified (by number) in I.A. which are known, or suspected, to have been released (WK-2, WK-3):

| Substance (#) | Quant.Released | Units | Medium Released to |
|---|---|---|---|
| 1 | unknown | | Soil |
| 2 | " | | Soil |
| 3 | " | | Soil |
| 4 | " | | Soil |
| 5 | " | | Soil |

Additional information/reference? SHA

B. SOURCES AND IMPACTS (SW-5, SW-6; A-9, A-10; GW-6, GW-7)

List those hazardous substances identified (by number) in II.A. and identify the source and impact:

| Substance No. | Source | Impacts/Affects to | Area |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| | | | |

Additional information/references:

## III. Migration Potential

A. CONTAINMENT--LANDFILLS (SW-7; A-11; GW-8, GW-9)

Present?_____ How many?_____

Check those that apply:

1. _____An engineered, maintained run-on/run-off control system
2. _____An engineered/maintained cover without ponding
3. _____Unmaintained run-on/runoff control system or cover
4. _____No run-on/runoff control or no cover
5. _____Uncontaminated soil cover greater than 6" thick
6. _____Uncontaminated soil cover less than 6" thick
7. _____Contaminated soil used as cover
8. _____A functioning vapor collection system
9. _____Mixing or agitation used
10. _____No liner
11. _____Single clay or compacted soil liner (permeability_____cm/sec)
12. _____Single synthetic liner (permeability_____cm/sec)
13. _____Double liner system (permeability_____cm/sec)
14. _____Leachate collection system, maintained and functioning
15. _____Leachate collection system, unknown condition or not functioning
16. _____Liquid wastes may have been disposed of
17. _____Liquid wastes were disposed of in landfill
18. _____Reliable evidence no liquid wastes were disposed

Additional comments/references:_____
_____
_____

B. CONTAINMENT--SURFACE IMPOUNDMENTS (SW-8; A-12; GW-9)

Present_____ How many?_____

Check those that apply:

1. _____The dike is apparently sound
2. _____The dike is regularly inspected and maintained
3. _____There is evidence of failure, erosion, slumping, or release of contents
4. _____Two feet of freeboard maintained automatically
5. _____The freeboard is manually controlled so that there is at least 2 feet of freeboard
6. _____Evidence of insufficient freeboard (<2 ft.)
7. _____A maintained cover
8. _____Unmaintained cover, no cover
9. _____No liner
10. _____Single synthetic liner
11. _____Single clay or compacted soil liner
12. _____Double liner
13. _____Working leak detection system
14. _____Evidence of loss of fluid (other than by evaporation)

Additional comments/references:_____

## C. CONTAINMENT--DRUMS AND SMALL CONTAINERS (SW-9; A-10; GW-10)

Present_____ How many?_____

Check those that apply:

1. _____No functional containment
2. _____There is secondary containment capacity for the total volume of containers
3. _____There is secondary containment with capacity for at least 110% of the volume of the largest container
4. _____The secondary containment is less than 110% of the volume of the largest container
5. _____The containers are stored in single, or double layers on pallets,or in racks
6. _____The containers are stored in an unstable manner
7. _____Some containers are open or have visible liquid
8. _____Some containers are leaking
9. _____Containers are protected from weather
10. _____Containers showing deterioration
11. _____Containment surface is impervious
12. _____Containment surface has cracks or semi-permeable
13. _____No base material/permeable base such as gravel/base materials unknown
14. _____Containment is regularly inspected and maintained
15. _____Evidence of containment failure

Additional comments/references:_____
_____
_____
_____
_____
_____

D. CONTAINMENT--STORAGE TANKS (SW-9; A-10; GW-10)

Present?_____ How many?_____

Check those that apply:

1. _____Secondary containment with a capacity of 110% of the volume of the tanks
2. _____Secondary containment at least 50% of the volume of all tanks
3. _____Containment system with capacity for at least 10% of volume of containers or tanks
4. _____No containment, or less than 10% capacity
5. _____Tank volumes maintained
6. _____Automatic controls used for volume maintenance
7. _____Tanks are covered
8. _____Uncovered tanks have aeration, mixing, or heating of tank contents
9. _____Containers sealed, protected
10. _____Containers sealed, not protected
11. _____Containers deteriorated
12 _____Containers leaking
13. Record the #s of above which apply only to above ground tank_____
_____
14. Record the #s of above which apply only to below ground tanks
_____
_____
15. Record the #s of above which apply to both above and below ground tanks:
_____
_

Additional comments/references:_____
_____
_____
_____

E. CONTAINMENT--WASTE PILES (SW-10; A-11; GW-11)

Present?_____ How many?_____

Check those that apply:

1. _____Waste pile is outside, no protecting structure
2. _____Waste pile is outside, in open structure with roof
3. _____Waste pile is outside, with partial or unmaintained cover
4. _____Waste pile is outdoors, with maintained cover
5. _____No cover is present
6. _____Waste pile is fully enclosed, intact building
7. _____There is an engineered run-on/run-off control
8. _____The run-on/run-off is maintained
9. _____Run-on/runoff control present, unknown condition
10. _____No run-on/runoff control system present, or unknown if present
11. _____Liner or base present; _____Not present.
12. _____Single clay or compacted soil liner
13. _____Single synthetic liner
14. _____Double liner
15. _____Maintained, functioning leachate collection system
16. _____Leachate collection system; ____Unknown condition; or _____Not functioning.

Additional comments/references:_____

F. CONTAINMENT--SPILLS, DISCHARGES, AND CONTAMINATED SOIL
(SW-10; A-12; GW-12)

Check those that apply:

1. _____Spill, discharge, or contaminated soil only in the subsurface at the site--including dry wells, drain fields, leaking underground storage tanks

2. _____Soil contamination that has been covered partially excavated and filled with at least 6 inches of clean soil

3. _____Soil contamination that has been covered or partially excavated and filled with less than 6 inches of clean soil

4. _____Uncontaminated soil cover >2 feet thick

5. ✓ No cover; or _____Cover <2 feet, but > 6" thick

6. _____Spill, discharge, or contaminated soil present at the surface in an area with maintained run-on/run-off control

7. _____Spill, discharge, or contaminated soil present at the surface in an area with unmaintained run-on/run-off controls?

8. ✓ Spill, discharge, or contaminated soil present at the surface with no run-on/run-off control or unknown controls?

9. _____Contaminated soil has been disturbed or excavated and stored above grade

10. _____A functioning vapor recovery system

11. ✓ No vapor recovery system

Additional comments/references:

SHA

G. CONTAINMENT--SITE CHARACTERISTICS
(SW-11, SW-12, SW-13, SW-14; GW-12, GW-13; WK-5-9)

1. How would you evaluate the site soils? Circle predominant textural class.

_____ Sand, gravel, sandy gravel, well-graded sand, well-graded gravel, gravelly sand, gravelly sand loam, silty sandy loam?

__✓__ Poorly-graded sands with fines, silt-sand mixtures, loam, silt loam, sandy silt loam, clayey sand, clay sand loam?

_____ Clayey sands, sand-clay mixtures, clayey gravels, clay-sand-gravel mixtures, inorganic silts, clayey silt loam, silty clay loam, porous rock outcrop, sandy silty clay, sandy clay loam?

_____ Clay (organic and inorganic), clay loam, rock outcrop, peat, peaty clay?

Is the above based on personal observation, lab analysis, or professional judgement by a soil expert? (circle)

2. Total annual precipitation=__46__in./yr (SW-11; WK-6)

3. Max. 2-yr/24-hr precip.=__2__ inches (SW-12; WK-6)

4. Net precipitation (see 2.2, GW-12)=__26__in. (WK-9)

5. Is the site not in a flood plain? __✓__(SW-12; WK-6)
Is the site in a 500 year flood plain? _____
Is the site in a 100 year flood plain? _____

6. What is the terrain slope to the nearest surface water? __20__% (SW-14; WK-6)

7. What is the subsurface hydraulic conductivity? __$10^{-3}$__ cm/sec (GW-13; WK-9)

8. What is the vertical depth from the deepest point of known contamination to ground water?__18__feet (GW-13; WK-9)

Additional comments/references:

51

IV. Targets

A. DISTANCE TO SURFACE WATER (SW-15; WK-6)

1. What surface water(s) (lake, stream, river, pond, bay, etc.) is/are within 10,000 feet (downgradient) of the site?

| Name | Dist.-ft. | Obs. | Meas. |
|---|---|---|---|
| Woods Creek | 75 | | ✓ |
| Skykomish River | 1700 | | ✓ |
| | | | |
| | | | |
| | | | |
| | | | |

None?_____.Comments/references:

2. What drinking water intakes are within 2 miles of the site? (all lake intakes, river intakes downstream only) (SW-15; WK-6)

None? ✓

| Source | Location | Pop. Served |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

3. How much acreage (anywhere) is irrigated by surface water intakes (downstream only) or wells(anywhere) within 2 miles of the site? (SW-15; GW-15; WK-6, WK-10)

None? ~~✓~~

SURFACE WATER: Acres 20 (1600 acres max.)

Source(s) WK-15;

GROUNDWATER: Acres 477 (4500 acres max.)

Reference(s):

4. What is the distance to the nearest fishery resource (overland flow distance to nearest surface water which is a fishery resource)? (SW-16, SW-17, SW-18; WK-6)

   Over 10,000 feet?____ Distance if less than 10,000 feet?__75__ft.

5. What are the names of, and the distances to, the nearest sensitive environments (total of overland distances plus downgradient distances, count only overland flow distance if nearest sensitive environment is a fishery)? (SW-18; A-15; WK-6)

   Over 10,000 feet?____ Names and distances if less than 10,000 feet:
   Woods Creek - 75 feet
   Skykomish River - 1700 feet

6. Is the aquifer a federally-designated sole source aquifer?__No__ (GW-14; WK-9)

7. Is the ground water used for: (GW-14; WK-10)
   - ✓ private supply
   - ____ public supply
   - ✓ irrigation of human food crops or livestock
   - ✓ non-food (human) vegetation
   - ____ not used due to natural contaminants
   - ____ ground water not used, but usable

8. Distance to nearest drinking water well? __2000__feet (GW-15; WK-10)

9. Is there an alternate source available to groundwater for private or public water supply? (GW-14, WK-10) yes

10. Population served by drinking water wells within 2 miles?__335__ (GW-115; WK-10)

11. Distance to the nearest population? __100__feet (A-13,; WK-8)

12. Population within one-half mile radius?__1614__ (A-15; WK-8)

    Additional comments (e.g. potential for natural resource damage, or other ecological concerns, references):

| Sec, Twnshp, Rge | Data | Name | Well/Surface | Connections | Pop. | Irr. Acres |
|---|---|---|---|---|---|---|
| S½ 30-28-7 | Logs | 4 | Wells | 4 | | |
| | PWS | Moen | Well | | 5 | |
| | WRS | OTIS | " | 1 | | 1 |
| | | | | | | |
| 31 29-28-7 | WRS | ~~Allen~~ Milwaukee Hill | " | ~~12~~ | 12 | |
| | " | Bolens | " | ~~15~~ | 12 | |
| | Logs | " | " | | | |
| | PWS | Platt | " | ~~5~~ → 5 | | |
| | " | Long | " | ~~5~~ → 5 | | |
| | " | Raybourn | " | ~~5~~ → 5 | | |
| | | | | | | |
| 32-28-7 | Logs | 10 | " | | | |
| | PWS | Swale | " | ~~5~~ | 5 | |
| | " | Dunn ~~Sch~~ | ~~Spring~~ | ~~5~~ | 5 | |
| | " | Danielson | Well | | 5 | |
| | | | | | | |
| S½ 25-28-6 | Logs | 3 | | 3 | | |
| | PWS | Marbella (emerg) | Well | | (291) | |
| | " | Lawsick | " | | 5 | |
| | WRS | Jones | | 1 | | |
| ~~S½ 26-28-6~~ | | | | | | |
| 36-28-6 | Logs | 3 | " | 3 | | |
| | PWS | Kenyon | " | | 5 | |
| | WRS | Lehto | " | 1 | | 12 |
| | | | | | | |
| 1-27-6 | Log | 1 | " | 1 | | |
| | | | | | | |
| 2-27-6 | Log | 5 | " | 5 | | |
| | PWS | Parker | " | | 5 | |
| | " | Stark | " | | 10 | |
| | PWS | Parker | " | | 5 | |
| | WRS | Pimm | " | | | 9 |
| | | Parks | " | | | 30 |
| | | Hanson | " | | | 35 |
| | | Gorsham | " | 1 | | |
| | | | | | | |
| 11-27-6 | WRS | WA ST. DOT | " | 1 | | |
| | | | | | | |
| 12-27-6 | Logs | 6 | " | 6 | | |
| | PWS | Tudor | " | | 23 | |
| | WRS | Van Hyle | " | 1 | | 45 |
| | | | | | | |
| 13-27-6 | Logs | 3 | " | 3 | | |
| | WRS | O'dell | " | | | 40 |
| | | Wallbaum | " | | | 40 |
| | | Deck | | 1 | | |
| | | | | | | |
| | | | | | | |
| | | | | 27 | 118 | 212 |

| Sec, Twnshp, Rge | Data | Name | Well/Surface | Connections | Pop. | Irr. Acres |
|---|---|---|---|---|---|---|
| 4-27-7 | Logs | 3 | " | 3 | | |
| | | | | | | |
| 5-27-7 | Logs | 1 | " | | | |
| | PWS | Newman | 1 " | 1 | 12 | |
| | WELLS | Smith | " | | | 35 |
| | " | Smith | " | 1 | | 2 |
| | " | Fleming | " | | | 40 |
| | " | Schwerd | " | 1 | | |
| | " | | | | | |
| | | | | | | |
| 6-27-7 | WELLS | Ohlsen | " | 1 | | 70 |
| | " | Roberts | Woods Creek | | | 20 |
| | | | | | | |
| 7-27-7 | Logs | 15 | | 15 | | |
| | PWS | Peck | Well | | 8 | 8 |
| | | ~~Schwerd~~ High Tank | " | | 10 | ~~40~~ |
| | WELLS | Hayward | " | | | 40 |
| | " | Ohlsen | | 1 | | 70 |
| | " | ~~Booster~~ | ~~Sky. R~~ | 1 | | |
| | | ~~Shaw~~ | | | | |
| | | | | | | |
| 18-27-7 | Logs | 14 | | 14 | | |

38 + 27 = 65 x 3 = 195

22 + 118 = 140

265 Well + 212 IR = 477 Acres

20 Sur

# TRW·REDI

Nationwide 1-800-345-7334



Parcel List by Account Number - Unplatted — 1993-94 EDITION

Grid- Y Section-06 Township-27 Range-07

| Account-Number / Property Addrs | Owners/Taxpayers-Name & Mailing-Address / Situs-City Situs-Zip / Last-Sale-Dte/Cd/Sale-Prce / Lot(s) Block(s) | Lot-Size-(AC/SF) G- O-S- T- R- / Zoned-Assrs-Actl / Zoning-Defind-As / Taxing-Jurisdctn / Assrs-Lnd-Use-Cd / Lnd-Use-Descrptn / Legal-Description | Sewr/Septc / Census-Trct-# / Thoms-Bros-Pg / Kroll-Ills-Pg / View--Quality / Waterfrnt-Loc | #Units / Bldg # / Utilities / Water-Type / Land/Acces / Wet/Lowlnd / Easement / Strt-Type | Total/Gross-SF / Living/Rent-SF / YearBlt / Rmdl/Ef / Condition / Grad/Ol / Heat | #Sty-Bldg / Bsmt-Totl / First---Flr-SF / Half----Flr-SF / Second--Flr-SF / Third+--Flr-SF / ExtrWall/Const | #Bedrms / Bth-Full / Fin.-Bsmt / Bth-3/4 / Bth-1/2 / #Frplcs / Gar-Attch / Gar-Bsmnt / Gar-Carpt / Gar-Detch | Totl-Assessmnt / Lnd-Assessment / Improvemnt-Val / 1993-Tax-Amnt / Yrs-Tax-Deling / Cnty-Levy-Code / Balcony / Patio |
|---|---|---|---|---|---|---|---|---|
| 062707-3-008-0002 | COLLINS JOHN P<br>544 SIMONS RD<br>MONROE WA 98272 | LotSz: 1.06AC Y-SW06-27-07 Sew/Sp:SEW<br>Zoned: GI Census:522.01 Utilty:POL Bl: 1<br>ZnDef: GENL IND TB-Pg:0458J01 Water :PBL Yr:1947<br>Juris: MONROE<br>Use : 11101 Wet/Lw:WET Co: AVG<br>Descr: HOUSE Gr:AVER<br>Legal:BEG SE COR LOT 9 BLK 1 Street:PAV Ht:EBRD ExWall:SIDING GT-D: 720<br>:HARRIMAN'S 1ST ADD TO MONROE TH E 570FT TOTPB TH N 60FT TO 50FT ESE OF CITY MONROE TH ELY 320 | | | Totl-SF: 1856 #Sty:1.08<br>1st Flr: 1504 Bsmt: 352D<br>BFin: 352<br>Fp: 1 | Bd: 3<br>BR: 2<br>Tot.AV: 108400<br>Lnd.AV: 41200<br>Imp.AV: 67200<br>Levy : 0530 |
| 062707-3-009-0001 | WILKS CARL LEE<br>ANN ST 135<br>MONROE WA 98272 | LotSz: 15681SF Y-SW06-27-03 Sew/Sp:SEW<br>Zoned: GI Census:522.01 Utilty:POL Bl: 1<br>ZnDef: GENL IND Water :PBL Yr:1901<br>Juris: MONROE<br>Use : 11101 Co:POOR<br>Descr: HOUSE Gr:AVER<br>Legal:RT 14-) BAAP 50FT S OF Street:PAV Ht:WALL ExWall:SIDING Pt: P<br>:SW COR BLK 9 TYE CITY TH E 160FT TH S 100FTTH W 160FT TH N 100FT TO POB | | | Totl-SF: 1996 #Sty:1.5<br>1st Flr: 1456<br>2nd Flr: 540 | Bd: 4<br>BR: 1<br>Tot.AV: 60300<br>Lnd.AV: 56000<br>Imp.AV: 4300<br>Levy : 0530 |
| 062707-3-010-0008 | JENSEN GORDON T & RETA J<br>151 CHARLES STREET<br>MONROE WA 98272 | LotSz: 15681SF Y-SW06-27-07 Sew/Sp:SEW<br>Zoned: GI Census:522.01 Utilty:POL Bl: 1<br>ZnDef: GENL IND TB-Pg:0458J01 Water :PBL Yr:1901<br>Juris: MONROE<br>Use : 11101 Co:POOR<br>Descr: HOUSE Gr:AVER<br>Legal:RT 15-) BAAP 150FT S OF Street:PAV Ht:WALL ExWall:SIDING Pt: P<br>: SW COR BLK 9 TYE CITY TH E 160FT TH S 100FT TH W 160FT TH N 100FT TO POB | | | Totl-SF: 1548 #Sty:1.5<br>1st Flr: 1008<br>2nd Flr: 540 | Bd: 4<br>BR: 1<br>Tot.AV: 59800<br>Lnd.AV: 56000<br>Imp.AV: 3800<br>Taxes : 790<br>Levy : 0530 |
| 062707-3-011-0007 | MACCANI MICHAEL D & DEBORA<br>381 S FERRY ST<br>MONROE WA 98272 | LotSz: 9147SF Y-SW06-27-07 Sew/Sp:SEW<br>Zoned: RS6 Census:522.01 Utilty:POL Bl: 1<br>ZnDef:RES 6000SF TB-Pg:0458J01 Water :PBL Yr:1981<br>Juris: MONROE<br>Use : 11101 Co:GOOD<br>Descr: HOUSE Gr:AVER<br>Legal:RT-16-18-23) BEG SW COR Street:GRV Ht:FORC ExWall:SIDING Pt: P<br>: NW1/4 SW1/4 TH N 73FT TH E 125FT TH S 73FTM/L TAP E OF TPB TH W TO TPB | | | Totl-SF: 1656 #Sty:2.0<br>1st Flr: 1068<br>GT-A: 392<br>2nd Flr: 588<br>Fp: 1 | Bd: 3<br>BR: 1<br>TQ: 1<br>Hf: 1<br>Tot.AV: 133200<br>Lnd.AV: 35000<br>Imp.AV: 98200<br>Taxes : 1760<br>Levy : 0530 |
| 062707-3-012-0006 | ANDERSEN KATHLEEN S<br>6316 188TH SE<br>SNOHOMISH WA 98290 | LotSz: 14374SF Y-SW06-27-07 Sew/Sp:SEW<br>Zoned: RS6 Census:522.01 Utilty:POL<br>ZnDef:RES 6000SF TB-Pg:0458J01 Water :PBL<br>Juris: MONROE<br>Use : 91000 Vw-Ol : FAIR<br>Descr: BARE LAND<br>Legal:LOT 4 OF CITY OF MONROE Street:PAV | | | | | Tot.AV: 38000<br>Lnd.AV: 38000<br>Taxes : 502<br>Levy : 0530 |

Date: 900803 * $: 30000

D 07

Taxes : 5961

Levy : 0530

TH N01*17 20W ALG E LN SD LOT

Tot.AV: 47200
Lnd.AV: 47200

Taxes : 673

Levy : 3971

N TH S02*50 00W ALG SD FENCE

:1.0 Bd: 3 Tot.AV: 99400
BR: 1 Lnd.AV: 36500
Imp.AV: 62900
Hf: 1 Taxes : 1411
Fp: 1
: 437 Levy : 3971
Pt: P
ON PAVEMENT ON W SIDE WOODS

Levy : 3971

07-2-021-0007





1993-94 EDITION

-Bldg #Bedrms Totl-Assessmnt
-Totl Bth-Full Lnd-Assessment
-Bsmt Bth-3/4 Improvemnt-Val
Attch Bth-1/2 1993-Tax-Amnt
Bsmnt #Frplcs Yrs-Tax-Deling
Carpt Balcony Cnty-Levy-Code
Detch Patio

Tot.AV: 46500
Lnd.AV: 46500

Taxes : 650

Levy : 3971

Tot.AV: 63100
Lnd.AV: 37500
Imp.AV: 25600
Taxes : 904

Levy : 3971

1.0 Bd: 3 Tot.AV: 186700
BR: 1 Lnd.AV: 42100
TO: 1 Imp.AV: 144600
600 Taxes : 2631
Fp: 1
Levy : 3971
960 Pt: P

1.58 Bd: 3 Tot.AV: 117000
678 BR: 1 Lnd.AV: 41500
Imp.AV: 75500
Taxes : 1657
Fp: 2
Levy : 3971
Pt: P
ALG N LN SD SEC 6 TPB TH S2

Tot.AV: 200
Lnd.AV: 200

Taxes : 2

325 S FERRY ST — MONROE WA 98272 — Cty: MONROE Zip: 98272 — Date: 860402 W $: 63000

Juris: MONROE
Use : 11101
Descr: HOUSE
TB-Pg:0458J01 Water :PBL
Yr:1902 1st Flr: 1350
Rm:1983 GT-A: 450
Co:GOOD
Gr:FAIR
Imp.AV: 67800
Taxes : 1358
Levy : 0530
Legal:RT 22-) BEG SE COR NE1/ Street:PAV Ht:FORC ExWall:SIDING
:4 SE1/4 SEC 1-27- 6 TH N 133FT TPB TH E 130FTTH N 77.5FT TH W 100FT TH S 15.5FT TH W 30FT TH

062707-3-023-0003 MONROE AUTO SALVAGE
FREMONT & ANN STREET
MONROE WA 98272
FREEMONT & AN ST
Cty: MONROE Zip: 98272
Date: 771201 Q $: 1

LotSz: 5227SF Y-SW06-27-07 Sew/Sp:SEW
Zoned: GI Census:522.01 Utilty:POL Bl: 1
ZnDef: GENL IND TB-Pg:0458J01 Water :PBL Yr:1940
Juris: MONROE
Use : 59901
Descr:OTHER RETL
Tot.AV: 20200
Lnd.AV: 18200
Imp.AV: 2000
Taxes : 266
Levy : 0530
Legal:RT-23) BEG INT S BDY FR Street:PAV
:EEMONT AVE WITH W BDY ANN ST EXT SLY TH E30FT TH S TO N MGN SKYKO RIV TH DOWN STREAM TAP DUE

062707-3-024-0002 MONROE CITY OF
806 W MAIN
MONROE WA 98272

LotSz: 50.00AC Y-SW06-27-07
Zoned: RU Census:522.01
ZnDef: RURAL RES TB-Pg:0458J01
Juris: MONROE
Use : 76100 Wet/Lw:LOW
Descr: PARKS
Taxes : X
Levy : 0530
Legal:RT-36) GOVT LOT 8 LY E Street:GRV
:OF WOODS CR LESS G N R/W LESS C M & ST P RRR/W

062707-3-025-0001 JENSEN GORDON T & RETA J
151 CHARLES ST
MONROE WA 98272
544 BUCK ISLAND RD
Cty: MONROE Zip: 98272
Date: 900613 *

Y-SW06-27-07
Census:522.01
TB-Pg:0458J01
Bl: 1
Yr:1972
Use : 24200
Descr: SAWMILL
Tot.AV: 1000
Imp.AV: 1000
Taxes : 13
Levy : 0530
Legal:SAWMILL ONLY ON FDP BEG
: SW COR BLK 9 TYE CITY TH S 50FT ALG E LN OF ANN ST TH E 160FT TH S 310FT TO ELY EXT OF N MGN

G 07

4650-4000-011-4002





Parcel List by Account Number - Unplatted 1993-94 EDITION

Grid- Y Section-06 Township-27 Range-07

Account-Number | Owners/Taxpayers-Name & Mailing-Address | Property Addrs
Lot-Size-(AC/SF) G- Q-S- T- R- Sewr/Septc | #Units | Total/Gross-SF | #Sty-Bldg | #Bedrms | Totl-Assessmnt
Zoned-Assrs-Actl Census-Trct-# Utilities | Bldg # | Living/Rent-SF | Bsmt-Totl | Bth-Full | Lnd-Assessment
Zoning-Defind-As Thoms-Bros-Pg Water-Type | YearBlt | First---Flr-SF | Fin.-Bsmt | Bth-3/4 | Improvemnt-Val
Taxing-Jurisdctn Kroll-Atls-Pg Land/Acces | Rmdl/Ef | Half----Flr-SF | Gar-Attch | Bth-1/2 | 1993-Tax-Amnt
Situs-City Situs-Zip Assrs-Lnd-Use-Cd View--Quality Wet/Lowlnd | Conditn | Second--Flr-SF | Gar-Bsmnt | #Frplcs | Yrs-Tax-Deling
Last-Sale-Dte/Cd/Sale-Prce Lnd-Use-Descrptn Waterfrnt-Loc | Easement | Grad/Ol | Third+--Flr-SF | Gar-Carpt | Balcony | Cnty-Levy-Code
Lot(s) Block(s) Legal-Description Strt-Type | Heat | ExtrWall/Const | Gar-Detch Patio

062707-3-026-0000 LOCKE ALAN E
395 S FERRY ST
MONROE WA 98272
395 S FERRY ST
Cty: MONROE Zip: 98272
Date: .10701 W $: 18500

LotSz: 9147SF Y-SW06-27-07 Sew/Sp:SEP
Zoned: RS6 Census:522.01 Utilty:POL Bl: 1
ZnDef:RES 6000SF TB-Pg:0458J01 Water :PBL Yr:1949 1st Flr: 908
Juris: MONROE
Use : 11101
Descr: HOUSE
Co:GOOD
Gr:AVER
Totl-SF: 1816 #Sty:1.0B Bd: 2 Tot.AV: 88500
Bsmt: 908 BR: 1 Lnd.AV: 35000
Imp.AV: 53500
Taxes : 1169
Fp: 2
Levy : 0530
Legal:BEG SW COR NW1/4 SW1/4 Street:PAV Ht:NONE ExWall:SIDING GT-D: 725
:TH S 66FT TH E 125FT TH N 66FT TH W 125FT TO TPB

062707-3-027-0009 SPOELSTRA CHARLES & DARLEN
2923 OAKES
EVERETT WA 98201
Date: 730501 W $: 300

Y-SW06-27-07
Zoned: RS6 Census:522.01
ZnDef:RES 6000SF TB-Pg:0458J01
Juris: MONROE
Use : 1
Descr:UNDR CHNGE
Levy : 0530
Legal:TH PTN GOVT LOT 6 DAF B
:EG SE COR OF NE1/4 SE1/4 SEC 1-27-6 TH N ALG E LN SD SUB 83FT TPB TH E 130FT TH S 10FT TH W 1

062707-3-028-0008 SMITH GENE R
334 THOMPSON LN
MONROE WA 98272
334 THOMPSON LN
Cty: MONROE Zip: 98272
Date: 780401 R $: 55000

LotSz: 14810SF Y-SW06-27-07 Sew/Sp:SEW
Zoned: RS6 Census:522.01 Utilty:POL Bl: 1
ZnDef:RES 6000SF TB-Pg:0458J01 Water :PBL Yr:1976 1st Flr: 1432
Juris: MONROE
Use : 11101 Vw-Ol : FAIR
Descr: HOUSE
Co:GOOD
Gr:AVER
Totl-SF: 1684 #Sty:TRI Bd: 5 Tot.AV: 125600
Bsmt: 252D BR: 1 Lnd.AV: 38000
BFin: 252 TO: 1 Imp.AV: 87600
GT-A: 228 Taxes : 1659
GT-B: 336 Fp: 1
Levy : 0530
Legal:TH PTN GOVT LOT 6 DAF B Street:PAV Ht:FORC ExWall:SIDING
:EG SE COR OF NE1/4 SE1/4 OF SEC 1-27-6 TH NALG E LN SD SUB 238FT TH E 190FT TO TPB TH S 70FT

062707-3-029-0007 NAHOPPII SAMUEL K
315 THOMPSON LN
MONROE WA 98272
315 THOMPSON LN
Cty: MONROE Zip: 98272

LotSz: 13068SF Y-SW06-27-07 Sew/Sp:SEW
Zoned: RS6 Census:522.01 Utilty:POL Bl: 1
ZnDef:RES 6000SF TB-Pg:0458J01 Water :PBL Yr:1976 1st Flr: 1140
Juris: MONROE
Use : 11101 Vw-Ol : FAIR
Descr: HOUSE
Co: AVG
Gr:AVER
Totl-SF: 1956 #Sty:SE Bd: 3 Tot.AV: 125000
Bsmt: 816D BR: 1 Lnd.AV: 37000
BFin: 816 TO: 1 Imp.AV: 88000
GT-A: 649 Hf: 1 Taxes : 1651
Fp: 1
Levy : 0530
Legal:BEG SE COR NE1/4 SE1/4 Street:GRV Ht:FORC ExWall:SIDING Pt: P
:SEC 1-27-6 TH N 238FT ALG W LN SEC 6 TH E190FT TO TPB TH N 22FT TH E 20FT TH N30*00 00E 55.42

062707-3-030-0004 CADMAN GRAVEL CO
P O BOX 538
REDMOND WA 98073

LotSz: 6.28AC Y-SW06-27-07
Zoned: RC Census:522.01
ZnDef:RURAL CNSV TB-Pg:0458J01 Water :PBL
Juris: SNO COUNTY
Tot.AV: 6200
Lnd.AV: 6200

072707-3-015-

072707-3-016-

17908 203RD A

072707-3-017-

20101 N HIGH F

TRW·

Parcel List b
Grid- Y Sect
Account-Numbe
Property Addr

072707-3-018-

072707-3-019-

072707-3-020-

20205 N HIGH F

072707-3-021-

20225 179TH PL

072707-3-022-

SHD Memo
May 17, 1994

To: Monroe Auto Salvage Site File

From: Gary Hanada

Subject: Site Hazard Assessment (SHA)

Arrived at the site at 10:00 on Tuesday, May 17, 1994. Conditions were cloudy, 58 degrees F., S.W. wind about 4 mph. Walked property with Mike Young. The owner Gerald Jensen accompanied us on part of the site visit. Much of the lot was covered with trucks, auto parts, trailers, other equipment, and parts. Most of the parts were either in barrels or piled onto the ground. No containment of runoff from these areas. Some discoloration noted in the soils in many areas and petroleum (motor oil) odor throughout yard. A micro tip was used during the visit, no significant readings were observed.

There were two areas south of the main office and shop that were lower and appeared that most of drainage flowed. Two soil samples were collected in these locations. M-1 was collected at 11:17. M-2 was collected at 11:24. Surface samples collected in topsoil layer.

A third soil sample was collected in the area of the second shop located on the east side of the property. There was an old mill in the area. M-3 was collected between buildings where drainage appeared to flow and soil was darkened. Time was 11:40. There was a power pole near the sampling location and was where the power was supplied to the mill.

The final soil sample was collected near Woods Creek. Walked over the hill to the south of the property. There was auto parts, wood, some old gas tanks, and 5 gallon containers noted buried into the hillside. There was an area where it appeared that drainage from the salvage yard entered Woods Creek. Soil sample M-4 was collected from the drainage area. A sandy soil with organic matter noted. A faint odor of hydrocarbons was detected.

Left site at 13:55.

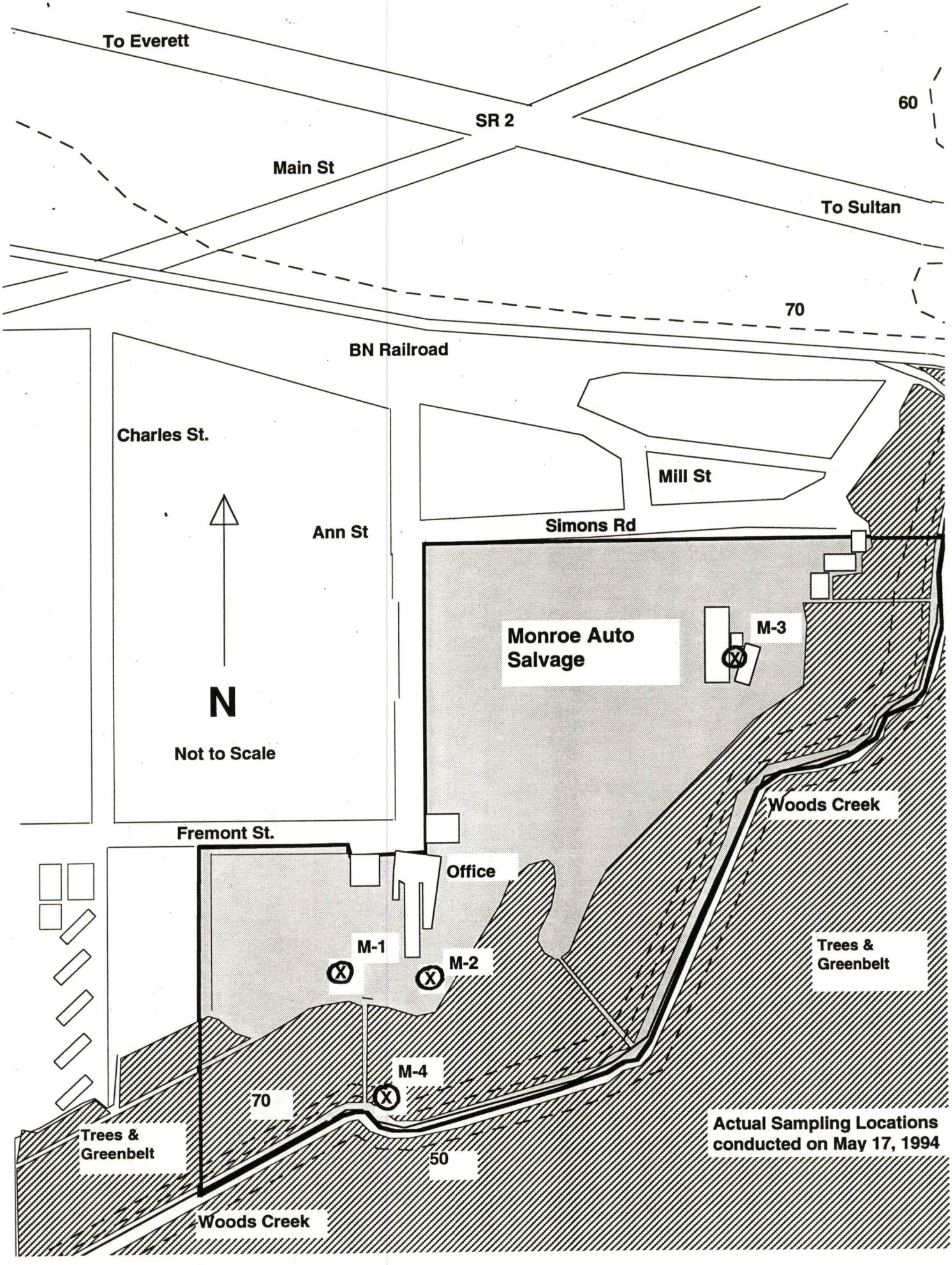

To Everett
SR 2
60
Main St
To Sultan
70
BN Railroad
Charles St.
Mill St
Ann St
Simons Rd
N
Not to Scale
Monroe Auto Salvage
M-3
Woods Creek
Fremont St.
Office
M-1
M-2
Trees & Greenbelt
M-4
70
Trees & Greenbelt
50
Woods Creek
Actual Sampling Locations conducted on May 17, 1994

PHOTO No. 1

DATE: 5/17/94

TIME: 10:48

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

North side of the shop on

on the north east side of

of the property.

COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 2

DATE: 5/17/94

TIME: 11:01

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

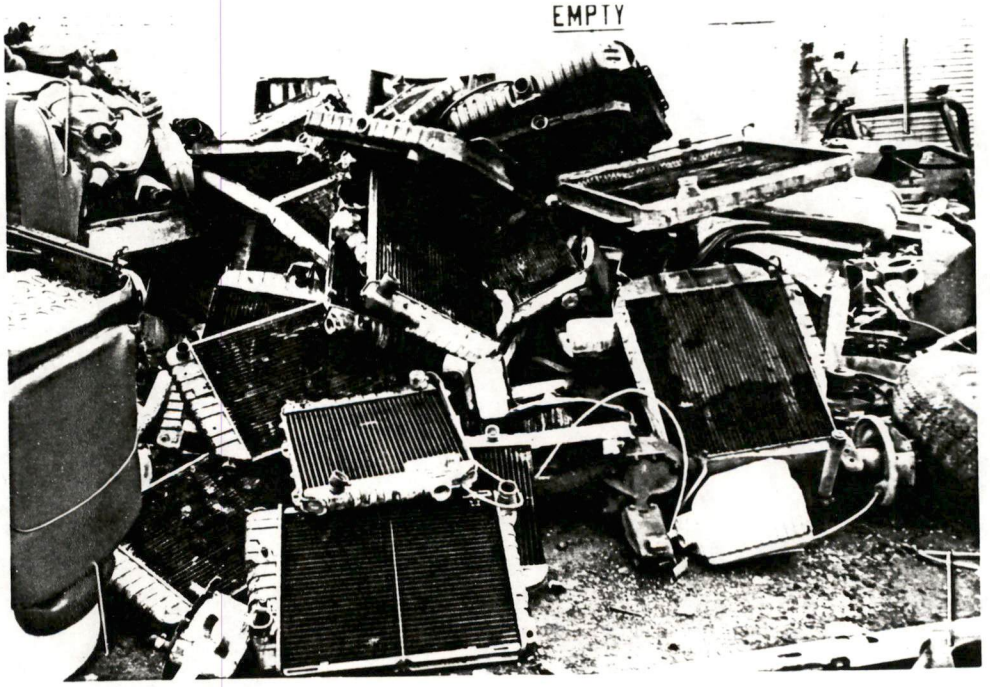
CAMERA:
Pentax IQZ 700

DESCRIPTION:

Pile of radiators located

near the trailer on the

property.




COMMENTS: Picture taken during Site Hazard Assessment, Monroe Auto Salvage, Monroe.

PHOTO No. 3

DATE: 5/17/94

TIME: 11:16

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Soil sample location

M-2 southeast of office

building.

COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 4

DATE: 5/17/94

TIME: 11:45

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Soil sample location

M-1 southwest of office

building in drainage area.

COMMENTS: Picture taken during Site Hazard Assessment, Monroe Auto Salvage, Monroe.

PHOTO No. 5

DATE: 5/17/94

TIME: 11:37

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

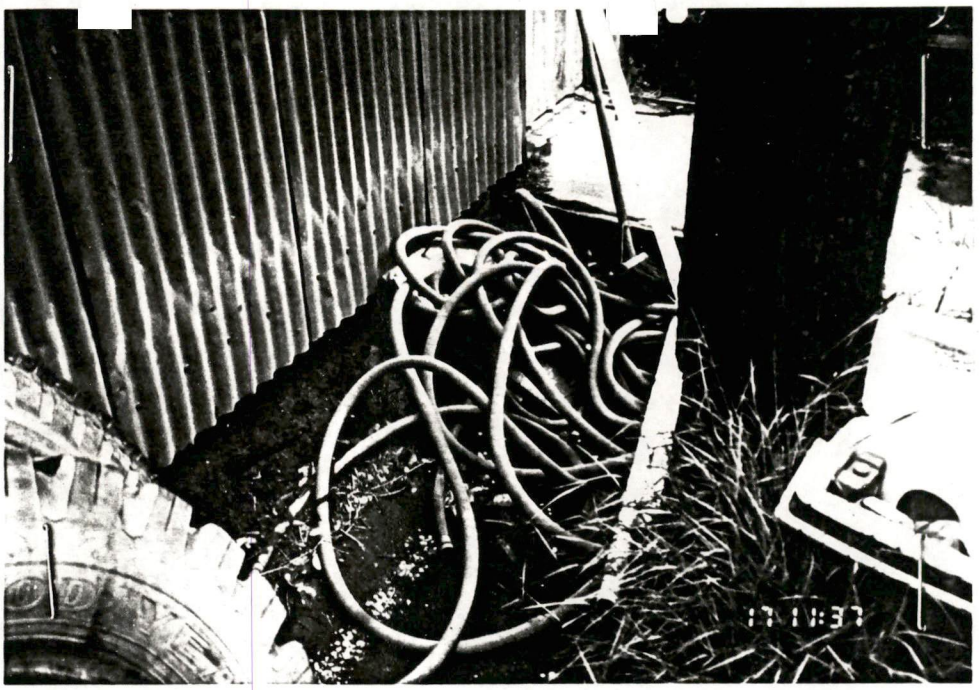
CAMERA:
Pentax IQZ 700

DESCRIPTION:

Soil sample location

M-3 between shop and

old mill building on north side of property.



COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 6

DATE: 5/17/94

TIME: 11:45

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Area wide picture where

sample M-3 was taken.

COMMENTS: Picture taken during Site Hazard Assessment, Monroe Auto Salvage, Monroe.

PHOTO No. 11

DATE: 5/17/94

TIME: 13:04

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

South west side of

property near creek.

Soil sample location M-4.


COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 12

DATE: 5/17/94

TIME: ~~11:55~~ 13:12

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Dumping on hill side

above creek on south

west side of property.

COMMENTS: Picture taken during Site Hazard Asses

PHOTO No. 7

DATE: 5/17/94

TIME: 11:54

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Auto parts stored southeast of office building.

COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 8

DATE: 5/17/94

TIME: 11:54

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Auto parts stored southeast of office building.


COMMENTS: Picture taken during Site Hazard Assessment, Monroe Auto Salvage, Monroe.

PHOTO No. 9

DATE: 5/17/94

TIME: 11:54

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Auto parts stored

southeast of office

building. Picture taken facing northeast.

COMMENTS: Picture taken during Site Hazard Assessment at Monroe Auto Salvage, Monroe

PHOTO No. 10

DATE: 5/17/94

TIME: 11:55

TAKEN BY:
Gary Hanada

WITNESS:
Mike Young

FILM: Kodak 200

CAMERA:
Pentax IQZ 700

DESCRIPTION:

Auto parts stored

southeast of office

building. Picture taken facing south east.

COMMENTS: Picture taken during Site Hazard Assessment, Monroe Auto Salvage, Monroe.

AMTEST

AMTest Inc.
Professional
Analytical
Services

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Redmond, WA
98052

Fax: 206 883 3495
Tel: 206 885 1664

# CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Monroe Auto Salvage

SAMPLERS: *(Signature)*

Client Name

Client Address

Client Phone

Contact Person

P.O. No.

| STA. NO. | DATE | TIME | COMP. | GRAB | STATION LOCATION | NO. OF CONTAINERS | WTR/T (HEAD) | HEAVY MET'LS | PCB's | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M-1 | 5/17 | 11:17 | | X | SW of office Bldg | 1 | X | X | | | | Heavy metals ICP -- Pb by GFAA Hg by CV |
| M-2 | 5/17 | 11:24 | | X | SE of Office/Shop Bldg | 1 | X | X | X | | | |
| M-3 | " | 11:40 | | X | E of old Mill Bldg | 1 | X | X | X | | | |
| M-4 | " | 13:01 | | X | SW side near creek | 1 | X | X | X | | | |

| Relinquished by: *(Signature)* | Date/Time | Received by: *(Signature)* | Relinquished by: *(Signature)* | Date/Time | Received by: *(Signature)* |
|---|---|---|---|---|---|
| | 5/17 14:50 | Cynthia C Hand | Cynthia C Hand | 5/17/94 3:35pm | Chris Holland |
| Chris Holland | 5/17/94 4:12 | | | | |
| Relinquished by: *(Signature)* | Date/Time | Received for Laboratory by: *(Signature)* | Date/Time | Remarks | |
| | | P. Bradley / AmTEST | 5-17-94 4:15pm | | |

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files