DEPARTMENT OF ECOLOGY **TOXICS CLEANUP PROGRAM** SITE DATA SUMMARY as of 7/7/99

FACILITY SITE ID: 2069

SITE NAME: Anderson Marine Repair Inc

TCP ID: N-17-0031-000

SITE LOCATION INFORMATION

ADDRESS: 2360 W COMMODORE WAY

DEGREES MINUTES SECONDS

23

39

TOWNSHIP RANGE SECTION

LATITUDE:

122

11.69

LONGITUDE:

47

37.76

LEGISLATIVE DISTRICT #: 36

3E

CONGRESSIONAL DISTRICT #:

25 N

RCW 90.48

ZIP CODE: 98199

COUNTY: KING

CITY: SEATTLE

TAX PARCEL #:

SITE STATUS INFORMATION

ECOLOGY STATUS: 2 Ranked, Awaiting RA

INDEPENDENT STATUS:

PROGRAM PLAN:

WARM BIN #: 1 STATUTE: 4

ERTS ID:

LUST ID: **PROJECT CODE: 8180**

RESPONSIBLE UNIT: NORTHWEST

SITE MANAGER: AITKEN, JUDY

ENTERED DATE: 3/1/88 SITE UPDATE DATE: 1/10/97 NFA CODE: **NFA DATE:**

SITE COMMENTS

AFFECTED MEDIA AND CONTAMINANTS INFORMATION

N	MEDIA	STATUS #1	<u>#2</u>	<u>#3</u>	<u>#4</u>	<u>#5</u>	<u>#6</u>	<u>#7</u>	<u>#8</u>	<u>#9</u>	<u>#10</u>	<u>#11</u>	<u>#12</u>	<u>#13</u>	<u>#14</u>	<u>#15</u>	<u>#16</u>	<u>#17</u>	DW TYPE:
1	Groundwater	С	С	С	С		S	С		С						С	С		
2	Surface Water	С	С	С	С		S	С		С						С	С		
3	Air	С	С	С	С		S	С		С						С	С		
4	Soil	С		С	С		S	С		С					*	C	С		
5	Sediment	С	С	С	С		S	С		С						С	С		

AFFECTED MEDIA AND CONTAMINANTS LEGEND

#1 = Base/Neutral Organics

#2 = Halogenated Organic Compounds

#3 = Metals-Priority Pollutants

#4 = Metals-Other

#5 = PCB

#6 = Pesticides

#7 = Petroleum Products

#8 = Phenolic Compounds

#9 = Non-Halogenated Solvents

#10 = Dioxins

#11 = PAH

#12 = Reactive Wastes

#13 = Corrosive Wastes

#14 = Radioactive Wastes

#15 = Conventional Contaminants, Organic #16 = Conventional Contaminants, Inorganic

#17 = Asbestos

1

WORKSHEET 1

	SUMMAR	Y SCORE SHEET						
Site Name: Alaska Pacific	Fisheries	ID No:						
Site Location: (City, County, or Section/Township/Range) Seattle, King County Sections 11 & 14/T25N/R3E								
Site Description: (Attach a sketch/map) The site is a shipyard iocated adjacent to Salmon Bay. It primarily services fishing vessels as boats are repaired and fitted for fishing in Alaska. Wastes including waste sandblasting grit and waste solvents are generated. A 3/18/86 onsite Ecology Inspection detected: 1) oily water being pumped out of a vessel's hold and discharged directly into the Bay (with an oily sheen on the surface of the water at the point of discharge); 2) a spent (paint) blasting plume extending into the water with dust/debris floating on the water's surface (no effort to contain the spent grit); and 3) several uncovered/unsealed drums of paint and solvent were onsite 5' from the water's edge (the "storage" area was uncovered and unbermed). A 7/31/86 follow up site visit revealed no substantial improvements. Additional items noted included the presence of several batteries, a lot of scrap metal and machinery, and numerous unmarked drums (some with bulged ends) in an area with no containment provisions. It was also noted that some of the site's drainage may go to Metro. A 8/15/86 inspection revealed that sandblasting had occurred resulting in grit deposition to a dock and to water beneath the dock as the grit fell through 1/4" - 1/2" timber spaces. A 9/22/86 site visit revealed some improvement as part of the site had been cleaned up. However, additional improvements were still required and evidence of recently released sandblast grit was present. No additional information is provided in the file.								
Special Considerations:								
ROUTE SCORES:				· 5				
Ground Water/Human:	24.7	Surface Water/Envir	ronmental:	49.2				
Surface Water/Human:	26.7	Air/Environmental:		28.0				
Air/Human:	73.5	N						

WORKSHEET 1

SUMMARY SCORE SHEET

Site Name: ALASKA PACIFIC FISHERIES

ID No: UNKNOWN CNOT PROYIDED)

Site Location: (City, County, or Section/Township/Range)

SEATTLE, KING COUNTY SECTIONS 11 & 14/TZ5N/P3E

Site Description: (Attach a sketch/map)

THE SITE IS A SHIPYARD LOCATED ADJACENT TO SALMON BAY, IT PREMARELY

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SERVICES FISHING VESSELS AS BOATS ARE REPAIRED AND FITTED FOR

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SERVICES FISHING VESSELS AS BOATS ARE REPAIRED AND FIND THE SHIP SOLVENTS ARE GENERATED. A

WASTE SANDBLASTING GRET AND WASTE SOLVENTS ARE GENERATED. A

WASTE SANDBLASTING GRET AND WASTE SOLVENTS ARE GENERATED. A

BIB/BG ONSITE ECOLOGY INSPECTION DETECTED: 1) OILY WATER BEING

SIB/B/BG ONSITE ECOLOGY THS PECTION DETECTED: 1) OILY WATER BEING

WITH AN OILY SHEEN ON THE SURFACE OF THE WATER AT THE POINT OF

DISCHARGE); 2) A SPENT CPAINT) BLASTING PLUME EXTENDING FIND THE

DISCHARGE); 2) A SPENT CPAINT BOATING ON THE WATER'S SURFACE (NO

WATER WITH DUST/DEBRIS FLOATING ON THE WATER'S SURFACE (NO

WATER WITH DUST/DEBRIS FLOATING ON THE WATER'S SURFACE (NO

WATERS EDGE (THE "STORAGE" AREA WAS UNCOVERED AND UNBERMED),

A 7/31/BG FOLLOW UP SITE VISIT REUEALED NO SUBSTANTIAL IMPROVEMENTS. WATERS EDGE (THE "STORAGE" AREA WAS UNCOVERED AND UNBERMED),
A 7/31/86 FOLLOW UP SITE YISIT REVEALED NO SUBSTANTIAL IMPROVEMENTS,
ADDITIONAL ITEMS NOTED INCLUDED THE PRESENCE OF SEVERAL BATTERIES,
ADDITIONAL ITEMS NOTED INCLUDED THE PRESENCE OF SEVERAL BATTERIES,
ALOT OF SCRAP METAL AND MALHENERY, AND NUMEROUS UNMARKED DRUMS
ALOT OF SCRAP METAL AND MALHENERY, AND NUMEROUS UNMARKED DRUMS
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ALOT OF SCRAP METAL AND MALHENERY, AND NUMEROUS UNMARKED DRUMS

[SOME WITH BULGED ENDS) IN AN AREA WITH NO CONTAINMENT
[SOME WITH BULGED ENDS) IN AN AREA WITH NO CONTAINMENT
[SOME WITH BULGED ENDS] IN AN EVEALED THAT SANDBLASTENG

HAD OCCURRED RESULTING IN GRIT DEPOSITION TO A

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FELL THROUGH 1/4"-1/2" TIMBER SPACES, A 9/22/86 SITE

FELL THROUGH 1/4"-1/2" TIMBER SPACES, A 9/22/86 SITE

FELL THROUGH 1/4"-1/2" TIMBER SPACES, A 9/22/86 SITE

VISIT REVEALED SOME IMPROVEMENT AS PART OF THE

VISIT REVEALED SOME STILL REQUIRED AND EVIDENCE

IMPROVE MENTS WERE STILL REQUIRED AND EVIDENCE

OF RECENTLY RECEASED SANDBLAST GRIT WAS PRESENT.

OF RECENTLY RECEASED SANDBLAST GRET WAS ARESENT, NO ADDITIONAL ENFORMATION IS PROVIDED IN THE FILE .

ROUTE SCORES:

Ground Water/Human:

Surface Water/Human:

Air/Human:

73,5

Surface Water/Environmental:

Air/Environmental:

SITE WORKSHEET

Site Name: ALASKA PACIFIC FISHERIES, KING COUNTY

- What waste management areas/spills are present at the site? 1. THE FACELETY INCLUDES BOTH AN ONSHORE PORTION AND AN ADJACENT OFFSHORE AREA AS A PORTEON OF THE SITE EXTENDS INTO SALMON BAY.
- How big are they? (Use measure most applicable to type of waste and container, ie., drums = la. gallons, landfill volume = cubic yds, tanks = gallons, impoundments = gallons) -THE QUANTETY AND HESTORY OF DESCHARGED SPENT BLASTENG GRET ES UNKNOWN YOLUME / NUMBER/HESTORY OF EMPTRED HOLDENG UESSES ES UNKNOWN THE VOLUME / NUMBER/HISTORY OF COMPTED HOLDING DELIES

 THE DOCUMENTED HUMBER OF DRUMS STORED ONSITE IS APPROXIMATELY

 ZB TOTAL CUNKNOWN IF THIS IS THE HISTORICAL MAXIMUM NUMBE

 THE NUMBER AND HISTORY OF BATTERIES STORED ONSITE IS UNKNOWN

 THE TOTAL QUANTITY ANALLABLE TO ALL THE ROUTES IS ESTMATED

 TO BE THE EQUIVALENT OF 100 DRUMS - SEE INDIVIDUAL ROUTE

 QUANTITIES ON WORKSHEETS S,6, AND T.

 For each waste management area listed above, what hazardous substances are present/
- 2. important for that area? Why? *NOTE: NO INDIVIDUAL COMPOUND ANALYSES 1. BENZENE

2. ETHYLBENZENE 3, TOLUENE

4. XYLENE S. LEAD

WAS MENT FONED IN THE FILE.

- WAS MENTEONED EN THE FILE.

 BY LENE

 BASED ON THE RECEASES OF DILY WASTED

 WATER AND SPENT PATHT BLASTING

 WHEN

 ULTIMATELY NEED TO BE REDONE WHEN

 ULTIMATELY NEED TO BE REDONE WHEN

 WHICH areas/substances are to be used to score the ground water route?

 Which areas/substances are to be used to score the ground water route?

 SEE COMPOUNDS IN "ZABOVEJTHE AREA IS THE LAND PORTION OF THE FACILITY,

 ONSHORE LEAKING SPELLED HYDROCAR BON PRODUCTS (AND BATTERY ACID)

 POTENITALLY HAVE MIGRATED INTO THE UPPERMOST ARVIPER 3.
- POTENTIALLY HAVE MIGRATED INTO THE UPPERMOST ARVIPER Have releases to ground water occurred? WHICH IS ESTEMATED TO BE VERY SHALLOW. NO SUBSURACE INVESTIGATION 3a. ARE MENTIONED IN THE FILE, AND NO SURFACE OR SUBSURFACE LEAKS OR SPELLS ARE DOCUMENTED LALTHOUGH NONE DOCUMENTED
- 3b. How are these documented? THEY POTENTEALLY HAVE OCCURRED).
- Which areas/substances are to be used to score the air route?

 SEE CAMPOUNDS IN #2 ABOVE; A PORTEON OF THE TOTAL HARARDONS SUBSTANCES ARE AVAILABLE TO THE AIR ROUTE. THIS INCLUDES AIRBORNE PARTICLES ASSOCIATED WITH THE SANDBLASTING AND YAPORS ASSOCIATED WITH THE SANDBLASTING AND HAVE releases to air occurred? 4.

4a.

YES

- How are these documented? DOCUMENTED ALRBORNE GRET PLUME WHICH 4b. PARTICLES ASSOCIATED WITH A SANDBLASTING SUBSEQUENTLY WAS DEPOSITED ON THE SURFA
- Which areas/substances are to be used to score the surface water route?

 SEE COMPAUNDS IN THE ABOVE; ANY DISCHARGES OF UESSEL HOLDENG
 TANKS AND (MOST) OF THE ALRBORNE SANDBLASTING GRET IS AVAILAB
 TO THE SURFACE WATER ROUTE, IN-ADDITION, A PORTION OF ANY ONSHORE SUBSTANCE
 Have releases to surface water occurred? RELEASE WHICH RECOLATED THE SHALLOW 5.

How are these documented?

DESCHARGE TO SALMON BAY AS A

PROBABLE ONSHORE > OFESHORE

DOCUMENTED RECEASE OF OLLY WASTE WATER TO SALMON BAY 5a.

WORKSHEET 3

ENVIRONMENTAL AND TARGET DATA

Site Name: ALASKA PACIFIC FISHERIES, KING COUNTY
Section/Township/Range: SECTIONS 11 \$ 14 /TZ5H/R3E
USGS Quadrangle Name:SOUTH SEATLE
Name of Soil Conservation Service Soil Survey: KING COUNTY (NOT PROVIDED)
Nearest Drinking Water Well (Describe by name section/township/range), include distance:
NONE WERE LISTED WITHIN
TWO MILES (ALL INDUSTRIAL KOMMERCIAL)
Total Population Served by Drinking Water Wells:
Nearest Surface Water (Drinking) Intake (Describe by name, section/township/range), include
distance: NONE WERE LESTED - SEATHE'S DRENKING
WATER IS PREDOMENANTLY OBTAINED FROM THE CEDAR RIVER WATERSHED LTOAGRAPHICALLY
Total Population Served by Surface Water Intakes:
Acreage Irrigated by Wells: Acreage Irrigated by Surface Water Intakes:
Sensitive Environments (List by name, distance/direction from site): SEVERAL PARKS HOTED ON MAAS (SOME HAGRADIENT FOR SURFACE WATER CONSIDERATION)
1. COMMODORE PARK, APPROXIMATELY 2200' WEST/NORTWEST (OF THE SITE) ON SALMON BAY ACROSS FROM THE LOCKS IS BEING COUNTED AS
2. SALMON BAY IS BEING COUNTED AS A FISHERY RESOURCE BUT
NOT AS A SENSITIVE ENVIRONMENT.
3.
AIR ROUTE TOXICITY MATRIX
Air Chronic Acute Carcino- Compound Standard Value Toxicity Value Toxicity Value genicity Value Highest Value
1. BENEZENE 41 7 X - 29,200 3 024-5 5 7
2. ETHYBEHZENE 59.2 7 136 (NOMEL) 1 X - D-X 1- 7 3. TOLUENE 510 4 2.0(4+b) 1 15,400 3 D-X 1-
4. XYLENE X X X X X X X X X X X X X X X X X X
6. CEAD O.68 9 CALL LCSD BZ=0.8 - BZ=0.8
ENV. TOX. STANDARD: 15,400 MG/KG TOLUENE +Bonus Value (2 pts) = (11)
ENV. TOX./MOB. MATRIX SCORE; 6 HUMAN HEALTH TOX./MOB. MATRIX
WK-3 TOX, MOB. MATRIX

Scored IN MATTER 2.
WITH +2 BONUS
POINTS INCLUDED (1)

SURFACE WATER ROUTE TOXICITY MATRIX

Compound	Drinking H ₂ O Standard	Value	Chronic Toxicity	Value	Acute Toxicity	Value	Carcino- genicity	Value	Highest Value
1. BENZENE 2.ETHILBENZENE 3. TOLUENE 4. XYLENE 5. LEAD 6.	5(NCL) 700 (NCL) 200 (NCL) X 5" (NCL) *PROPOSED	2 8	X 0.1 0.3 X .0005 (ALL RFD, ORAL)	11115	3306 3500 \$000 X X (ALLDSO, RAT)	N N N	A1=1.0 1029=5 D=X D=X 'X B2=0.8 ND=X	5) (843 - 8

CRITERIA FOR PROTECTION
OF AQUATIC LIFE - FRESHWATER, ACUTE

Environmental Toxicity Acute Standard: 80 MG/L Value = 6

GROUND WATER ROUTE TOXICITY MATRIX

Compound	Drinking H ₂ O Standard Value	Chronic Toxicity Value	Acute Toxicity	Value	Carcino- genicity	Value	Highest Value			
1. 2. 3. 4. 5. 6.		- SAME	E AS	AB	ovē —					
	+Bonus Value (2 pts) = $\frac{1}{2}$									

Attach the following to this worksheet:

1. Copy of USGS Quadrangle map with site marked

2. Copy of map showing sensitive environments

U.A., 3. Copy of site-specific soil descriptions, or SCS Soil Survey pages showing site location,

Nowe and text describing soil types

Provided

4. Copy of Washington State Water Rights Information System printouts showing acreage irrigated by wells and surface water intakes.

LALL INDUSTRIAL/COMMERCIAL)

N.A. 5. Copy of Washington Public Supply System Listing showing drinking water sources within None 2 miles.

LISTED

WORKSHEET 4

SUBSTANCE CE FOR MULTIP	ARACTERISTIC N	WORKSHEET NCE SITES	
	Combination 1	Combination 2	Combination 3
Unit: Substance:			
AIR ROUTE			
Human Toxicity/Mobility Value:			
Environmental Toxicity/ Mobility Value :			
Containment Value:			
Air Human Subscore: (Toxicity/Mobility + 5) • (Containment + 1)			
Air Environmental Score: (Toxicity/Mobility + 5) • (Containment + 1)			==========
SURFACE WATER ROUTE			
Human Toxicity Value:			
Environmental Toxicity Value:			
Containment Value:			
Surface Water Human Subscore: (Toxicity + 3) • (Containment + 1)			
Surface Water Environmental Subscore: (Toxicity + 3) • (Containment + 1)			
GROUND WATER ROUTE			
Human Toxicity Value:			
Containment Value:			
Ground Water Subscore: (Toxicity + 5) • (Containment + 1)			

		SURFACE WATER ROUTE (USED PREVIOUS PAGE)
1.	SUBSTANCE CHARACTERIST	TICS
	Human Toxicity	1 2 3 4 5 6 7 8 9 10 11 12
	Environmental Toxicity	1 2 3 4 5 6 7 8 9 10
	Quantity	1 2 3 4 5 6 7 8 9 10
2.	MIGRATION POTENTIAL	
	Containment Surface Soil Permeability Total Annual Precipitation 2-Year, 24-Hour Rainfall Flood Plain Terrain Slope	0 2 4 5 6 7 8 10 1 3 5 7 1 2 3 4 5 1 2 3 4 5 0 1 2 1 2 3 5
3.	Distance to Surface Water Population Square Root (V Area Irrigated (0.75 V Are Distance to Fishery Resource Distance to Sensitive Environment	Popuwrite in nearest whole no.) ea-write in nearest whole no.) ce 0 3 6 9 12 onment 0 3 6 9 12
4.	RELEASE	0 5
1.	Substance/containment combinat	tion used to score this task:
	Waste management areas used to	
NO.	TES:	

WK -6

AIR ROUTE

١	7	SUBSTANCE	CHARACTERISTICS
١		200214165	CITATIONE

1 2 3 4 5 6 7 8 9 10 11 Human Health Toxicity/ Mobility Scalar 12 14 15 16 17 (18) 20 22 24 18 1 2 3 4 5 6 7 8 9 10 **Environmental Toxicity** 1 (2) 3 4 5 6 7 8 9 10 (A) Quantity MIGRATION POTENTIAL 2. Containment SURFACE DESCHARGE 0 3 4 5 6 8 (10) 10 WITH HO VAPOR RECOVERY SYSTEM **TARGETS** 3. Nearest Population (AND BOATS) NEARBY
Nearest Sensitive Environment #3 - 2200 0 1 3 (5) 6 7 Population Sq. Rt. () Pop. in & mile-write in nearest whole no.)
4906 ESTIMATED TOTAL FROM CENSUS DATA

- 1. Substance/containment combination used to score this task:
- Waste management areas used to score quantity:

RELEASE CONFIRMED - SEE

SEE WORKSHEET # 2

NOTES:

4.

SOME OF THE ATRBORNE DESCHARGED PARTICULATE GRET FS ANATCABLE TO THE ATR ROUTE, IN ADDITION TO WAPORS ASSOCIATED WITH SURFACE RECEASES OF ANY HAZARDOUS SUBSTANCES, ESTEMATED EQUITUALENT QUANTITY=10-12 DRUMS.

0 (5)

GROUND WATER ROUTE

1.	SUBSTANCE CHARACTERISTICS	
	Toxicity Mobility BENZENE, WATER SOLUBILITY Quantity 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12	10 3 3
	ANY ONSHORE RELEASES TO THE SURFACE SOLL (VIA LE DRUMS OR BATTERIES) ARE AVAILABLE TO THE GROWN	AKING DWATE
2.	MIGRATION POTENTIAL POUTE THROUGH PERCOLATION; HONE OF T ESTEMATED EQUILIBRIANT QUANTITY = 20 DRU	HE OFFSH ABLE:
	A Containment Net Precipitation Nov. > APRIL 18.7" B Subsurface Hydr. Cond. Depth to Aquifer ESTEMATED TO BE VERY SHALLOW, GROUNDWATER MAY BE SOMEWHAT BRACKESH (AQUIFER USEAGE MENT EONED BELOW IS ALL UPGRADIENT/FRESH)	8 2 4 8
3.	TARGETS	
	Aquifer Usage Commercial/INDUSTRIAL Nearest Well Population Square Root (\(\nabla_{\text{Popwrite in nearest whole no.}}\) Area Irrigated (0.75) Area-write in nearest who no.)	2000
4.	RELEASE HONE DOCUMENTED 05	0
	Substance/containment combination used to score this task: SEE WORKSHIE Waste management areas used to score quantity:	EET *
	A ABOVE GROUND CONTAINERS - NO CONTAINMENT SYSTEM	
NOT	PRESENT, NO KNOWN BASE MATERIAL PRESENT AT TO SURFACE, CONTAINERS STORED IS SINGLE LAYERS WITH CONTAINERS DRESENT = A TOTAL VALUE OF B	THE H OPEN

	SURFACE WATER ROWE		
1.	SUBSTANCE CHARACTERISTICS		w.
1.1	Human Toxicity		
Compo	MOLL MOLECULE	Value 5	Highest Value
1. BEH2. 2.ETHYLB 3. TOLUE 4. XYLE 5. LEAZ 6.	ENE 5(MCL) B X 3306 3 .029=5 ENE 5(MCL) B X 1 3500 3 D=X ENEWE 700*(MCL) 4 0.1 1 5000 3 D=X NE 200*(MCL) Z 0.3 1 5000 3 D=X NE 5*(MCL) B .0005 5 X - B2=0.8 ** PROPOSED CALLRED ORAL, RAT)	1111	43 (B
1.2	Environmental Toxicity LIFE - FRESHWATER, ACUTE Acute Criteria: LEAD - 80 MG/L	Value (2 ; Value: Value:	_6_
1.3	Other Acute Toxicity: ALL OF THE WASTE DESCHARGED FROM Substance Quantity: VESSEL HOLDING TANKS AND MOST OF THE DESCHARGED BLASTING GRET IS AVAILABLE TO THE SURFACE WATER PORTION OF THE POTENTIAL ONSHOW	Value:	4
2.	MIGRATION POTENTIAL EQUEVALENT QUANTETY = 70-80 DRUM	ESTINS,	MATES
2.1	Containment: NO KNOWN X411	Value:	10_
2.2	Surface Soil Permeability: AND INFORMATION - FRENCH WITH	Value:	_1_
2.3	Total Annual Precipitation: 34.8" (U OF W STATION)	Value:	
2.4	2.0"	Value:	<u>Z</u>
2.5	Flood Plain: PATE MAP-ZONE C (AREA OF MINERALE	Value:	
2.6	FLOOD HAZARD) THE STIE INCLUDES DOCKS	Value:	5_
2.0	TETTAIN SIOPE: FAITH OVER SALMON BAY WHICH EXTEND OVER SALMON BAY C'EXTREME" SLOPE AS WATER SURFACE IS ESTEMATED 10'-20' DIRECTLY BELOW THE	DOCK)	
3.	TARGETS SAY/		
3.1	Distance to Surface Water: ADTACENT TO SHIP CANAL	Value:	
3.2	Population Served by Intakes in 2 miles:	Value: (s	quare root)
3.3	Area Irrigated by Intakes Within 2 miles: ADJACENT TO SALMON BAY/ LAKE WASHINGTON SHIP CANAL WHICH WAS CONSIDERED A FISHERY RESOURCE JIT IS A VITAL TRANSPORTATION AND Distance to Fishery Resources: REARING AREA FOR SALMON	***********	quare root)
3.4	Distance to Fishery Resources:		9
3.5	Distance to Sensitive Environment: SEE WORKSHEET # 3,	4 GIUE.	

Release: CONFIRMES - SEE WORKSHEETS I & Z

RELEASE

4.0

