Reference 5

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"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

Willamette River SI
Sept '97

USEPA SF
1094764
13073

Boat hours

9-17-97	0700 - 1705
9-18-97	0700 - 1505
9-19-97	0700 - 1545
9-20-97	0700 - 1700
9-21-97	0700 - 1300
9-22-97	0700 - 1830
9-23-97	0700 - 1800
9-24-97	0700 - 1430

9/16/97

- Dena and Rich rob gear with Uhaul trailer to Portland. Arrive @ NWP&C site @ 1330. Extra surplus equip. is moved over to Willamette job (equipment list is provided to M. Pugh.) - Arrive @ ACOE facility at 1530. All gear moved into storage locker. Uhaul returned to dealer.
- Jar labelling conducted until 2230 - by MSS & DRH

- Met Bruce Stirling 9/17/97 @ Best Western travelled to ACOE @ 0710. Boat loaded completely by 1015. Mobed to SD001 - Crew is trained health and safety meeting held. Station started @ 1055 Station completed @ 1210 Lunch break for crew 1345 Sampling continues - some problems & over penetration

all weights removed after many attempts. Sampling improves Stations 3, 5, 11, 15, 17, 18, 19, 20, 24, 26, 30 completed by 1655. Return to ACOE to pack coolers Arrive @ ACOE 1705

9-18-97

0700 - Arrive at boat - re-supply daily gear. Arrive @ 1st station @ 0800 - completed station 35, 23, 22, 33, 32, 31, 16, 27, 25, 21, & 29 - before noon-time. Returned to ACOE to relinquished Port of Portland split samples to Randi Wexler of Hart Crowser. - Return to ~~stations~~ sampling - completed reach A (2, 4, 6, 7, 9, 10, 12, 13, 14, 34) - return to ACOE @ 1500. - cooler packing. day complete @ 1730

9-19-97

arrive @ boat @ 0715 - daily gear loaded. Sampled Stations (36, 40, 42, 49, 51, 53, & 56) - Stations moved due to physical obstruction included: 53 - container ship in way

54 -> no accepted grabs - station abandonned

1145 - lunch break

Post lunch sampling included (36, 37, 38, 39, 41, 43, 44, 47, 46, 45, 50, 48, 52, 55)

- return to dock @ 1545
- work on GPS - talked to Andy Hess (EPA) regarding data logger storage - DRH & RES leave site at 1715.

9-20-97

Arrive @ boat @ 0800 - Arrive @ First station @ 0830 - Sample stations (57, 59, 61, 58, 60, 66, 71, 73, 76, 74). Problems encountered at station 60 - moved upstream and in shore. Sample eventually

collected @ 1132. Sampled Stations (62, 63, 64, 65, 67, 68, 69, 70, 72, 75) following lunch. Arrive @ ACOE dock @ 1700.

9/21/97 -
Arrive @ ACOE dock at 0700. Sampled stations (77, 78, 79, 82, 86, 89, 91, 96, 95, 94, 99, 98, 103, 8101) — returned to ACOE dock @ 1300 — packed coolers until 1730

5/22
Arrived @ ACOE Dock @ 0700. Boat loaded with daily supplies. Sampled Elf Atochem Stations & collected Splits (80, 81, 83, 84, 85, 87, 88, 90, 93, 92, 97, 100) → moved over to complete Reidel Area after lunch (106, 108, 111, 116, 119) → Collect stations off SWAN Island and SWAN Island Channel — Return to ACOE dock @ 1700 to pick up Hart Crowser's Sample containers (Port of Portland) and drop off cooler (c/samples) for PTI. Return to SWAN Island to sample stations (134, 136, 139, 141, 148) — Return to ACOE Dock @ 1830

9-23-97
Arrive @ ACOE dock @ 0700. Meet c/ G. Wistar's supervisor, Mike Rosen — arrive @ Port of Portland - ship repair yard stations — collect stations (124, 126, 8128). Return to ACOE to drop off M. Rosen and pick up more ice. Return to Port location @ 1000. Sample stations (125, 127, 130) before moving over to Willbridge Facility. Kevin Freeman c/ Pacific Environmental group is not present to photograph work

as discussed w R. Sturim (Weston). Kevin is contacted @ 1215 — says to proceed w/o their presence. Sampled stations off-shore first (as requested by Kevin) → stations 104, 105, 107, 113, 115, 118, 109, 112, 117, 114 → completed by 1515. Return to Port property — Cascade General observe in small craft off the stern of the Huncho. (they also observed stations 127 & 130). Sampling complete @ 133 and 132 → Cascade General asks questions re schedule. Return to SD020 @ 1730 → station revisited because the cooler was not delivered to Lab on time by FedEx. SD020 complete @ 1745 → arrive @ ACOE dock @ 1800. Off load completed @ 1830.

9-24-97

Arrived @ ACOE dock @ 0700. Boat loaded with daily gear & supplies. Head upstream to continue sampling @ Port of Portland locations. Sample station (138, 145, 150, 120, 123, 131, 135, 137, 140, 142, 144, 146, 147, 149, 151) — before noon-time. *Had to return to station 138 because split sample was not collected for Port. Returned to 138 @ 0825 to re-sample and to obtain both our sample and the Port's — oversight present (Cascade General) @ stations 150 & 138 (150 was not a port split station). Returned to ACOE dock and off load gear — complete @ 1430. → Re organized storage container, ice samples, and inventoried supplies. Day complete @ 1600

9-25-97
DRH & Res returned to ACOE facility to pack coolers for delivery @ 0800 - completed @ 1200. Drove samples to Seattle. Arrived @ Rost @ 1635 - offloaded complete at 1700.

10-14-97
Arrive @ ACOE facility to mob. supplies and equipment on board The HOSEHO. Andy Hess (EPA) arrives @ 0800 to set up GPS system. All equipment and gear loaded by 0930. Arrive @ SD001 @ 0945. ~~Collect~~ Sample stations SD001, 17, 35, 74, 141, 136, and 138. Day is spent moving to various location within the Six mile section of the study area to determine if the corer can perform better depending on lithology. Return to ACOE facility @ 1800.

10/15

Meeting @ corps dock @ 0700 review work & coring crew - left dock @ 0730. Arrive @ SD031 @ 0805. Talked to Karen Stack to discuss "acceptable" cores & arrangements regarding Schuster. Sampled SD031 - move to SD22 - unsuccessful after 1hr of deployments. Meet w/ CH2MHill @ 0930. Attempt SD012 - not successful - move coring station to SD013 → CH2MHill accompanied us to location w/ private aircraft. Station complete @ 1110 Move to station SD016. after one hour - no acceptable cores obtained - station abandoned. Head to Corps facility to drop off cores. 1230 - cores dropped Returned to river to sample SD004 - station is obstructed by fuel tanker. Move to SD007 - complete. Move to SD015 - abort after

multiple attempts - move station to SD017 - station complete. Complete station SD035 @ 1425 Return completed cores to Corps facility for processing. Return to SD049 for coring - completed stations ~~SD048 + 55~~ SD055. (SD058 was successful after many attempts - will abandon). Return to ALCE @ 1700

10/16 Arrive @ ALCE facility @ 0700 - leave dock @ 0710. Arrive @ Port of Portland Ship repair yard @ 0730 - @ station SD133 - complete @ 0740 - head to station SD127 - complete stations SD116, 125, 106, 102, 896. Attempt SD100 - for 30 minutes. Return to Corps to drop cores off. Moved to SD087. @ 0950. Moved to SD066 - 1hr no core. Abandoned station. Move to SD072 - ASC - moved

to SD77878 – Abandoned –
SD078 replaced with SD081.
Moved to SD084 @ 1300.
Collected Stations SD084, 90, 92, 117,
120, 135, 143, 151, and 145.
SD145 replaced Station SD150
because of poor recover (sands).
K. Utash (Weston) instructed to
reattempt collecting cores
from the Terminal 4 Slips.
Asked to attempt @ SD023 –
and also SD071 – and areas
near the East support of
the St. John Bridge. Returned
to ACOE facility @ 1715.

10-17-97