



ENTRY 1	<u>08/14/20</u> <u>18</u>	<u>8 A.M.</u>	INSPECT PERMIT RECORDS/REPORTS FLOW MEASUREMENTS LABORATORY EFFLUENT/RECEIVING WATER  PRE-TREATMENT COMPLIANCE SCHEDULES SELF MONITORING PROGRAM OPERATION & MAINTENANCE SLUDGE DISPOSAL FACILITY SITE REVIEW LAB ACCREDITATION  OTHER (SPECIFY)	<u>PRE-PERMIT DEVELOPMENT</u>
EXIT 1	<u>08/14/20</u> <u>18</u>	<u>4 P.M.</u>		<u>N</u>
ENTRY 2	<u>08/15/20</u> <u>18</u>	<u>8:15A.M.</u>		<u>DISCUSSED</u>
EXIT 2	<u>08/15/20</u> <u>18</u>	<u>10:50 A.M.</u>		<u>N</u>
ENTRY 3	<u>08/15/20</u> <u>18</u>			<u>AS MUCH AS POSSIBLE</u>
EXIT 3				<u>N</u>
				<u>N</u>
<b>ENTRY TYPE (CHECK ONE)</b>				<u>DISCUSSED</u>
DENY	<input type="checkbox"/>			<u>N</u>
DELAY	<input type="checkbox"/>			
WARRANT	<input type="checkbox"/>			
REGULAR	<input checked="" type="checkbox"/>			

**SECTION 4: SUMMARY OF FINDINGS / COMMENTS (ATTACH ADDITION PAGES IF NEEDED)**

THIS WAS MORE OF A TOUR OF THE PROPOSED NATAPOC FISH HATCHERY AND THE ACCLIMATION SITES THAT WILL BE INCLUDED IN ONE INDIVIDUAL PERMIT TO THE *CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION* (FOR REMAINDER OF THIS REPORT YN FISHERIES). THIS WAS A PRE-PERMIT DEVELOPMENT FAMILIARIZATION INSPECTION OF THE ENTIRE PROJECT. THE SITES ARE ALL LOCATED IN THE UPPER WENATCHEE RIVER WATERSHED, DISCHARGING TO VARIOUS STREAMS AND TRIBUTARIES TO THE WENATCHEE RIVER, CHIWAWA RIVER, NASON CREEK, AND THE WHITE RIVER. THE FOLLOWING ARE ALL TRIBUTARIES TO THE WENATCHEE RIVER: CHIWAWA RIVER AND NASON CREEK. THE WHITE RIVER DISCHARGES TO THE UPPER END OF LAKE WENATCHEE, WHICH IS THE HEAD WATER TO THE WENATCHEE RIVER AT THE LOWER END.

THERE IS A TMDL FOR THE LOWER WENATCHEE RIVER WATERSHED THAT MUST BE TAKEN INTO CONSIDERATION WITH THE PERMITTING OF THIS COMPLEX, WHICH IS WHY AN INDIVIDUAL PERMIT IS BEING ISSUED EVEN THOUGH THERE IS A GENERAL PERMIT AVAILABLE. *WENATCHEE RIVER WATERSHED DISSOLVED OXYGEN AND pH TOTAL MAXIMUM DAILY LOAD, WATER QUALITY IMPROVEMENT REPORT, REVISED AUGUST, 2009, PUBLICATION NUMBER 08-10-062* (FOR REMAINDER OF THIS REPORT: THE TMDL).

REPORT IS WRITTEN IN ORDER OF SITE VISITS:

1. **TRINITY ACCLIMATION SITE.** 44 MILES FROM LEAVENWORTH ON AN UNIMPROVED ROAD (CHIWAWA RIVER ROAD). OVERWINTERING SITE. FISH PROPOSED TO BE ON STATION FROM OCTOBER THROUGH VOLITIONAL RELEASE IN APRIL. THE SITE IS SNOWED IN FOR TRUCK TRAFFIC AFTER OCTOBER, SO OVERWINTERING REQUIRED. OVERWINTERING WILL BE DONE IN ABOVE GROUND TANKS WITH FLOW THROUGH PHELPS CREEK WATER SUPPLY FROM HYDROELECTRIC (POWER PLANT EXISTING AND OPERATING ON SITE) OPERATIONS AND WITH SUPPLEMENTATION FROM AN ONSITE FRESH WATER WELL. THERE ARE HOUSING STRUCTURES ON SITE, A YEAR ROUND CARETAKER ON SITE, AND POTENTIALLY A YN FISHERIES STAFF WILL BE ON SITE. THIS SITE IS OWNED BY THE TRINITY CONSERVANCY.

**EXISTING:** ONE ACCLIMATION POND THAT DISCHARGES DIRECTLY TO CHIWAWA RIVER. FISH WILL BE ACCLIMATED IN THE POND FROM MARCH THROUGH APRIL AFTER OVERWINTERING IN ROUND TANK (NOT EXISTING YET). 150,000 SPRING CHINOOK.

**TO BE CONSTRUCTED:** ONE ACCLIMATION POND THAT DISCHARGES INTO PHELPS CREEK JUST ABOVE CONFLUENCE WITH THE CHIWAWA. ACCLIMATED FROM MARCH THROUGH APRIL IN POND, OVERWINTERING IN TWO TANKS TO BE PLACED. 100,000 COHO.

**INFORMATION:** THE GOAL IS TO RELEASE FISH VOLITIONALLY AT 17 FISH PER POUND (LB.). THE HOPE IS THAT NATURAL FEED WILL BE AVAILABLE; HOWEVER FEED SUPPLEMENTATION IS ANTICIPATED THE LAST FEW WEEKS TO REACH GOAL WEIGHTS. OVERWINTERING REQUIRES AT TIMES AS LOW AS FEEDING ONE TIME PER MONTH. THE METABOLISM IS QUITE SLOW IN WATER AT 32 DEGREES. PLEASE NOTE THAT THE TECHNICAL MEMO SUBMITTED ABOUT THE ACCLIMATION SITES AND THE ANTIDEGRADATION REPORT SUBMITTED EARLIER IN 2018 DOES NOT INCLUDE ALL OF THE FISH ON SITE AT THIS LOCATION IN THE TOTALS. MUST ADD 150,000 SPRING CHINOOK TO BE OVERWINTERED AND ACCLIMATED AS MENTIONED ABOVE.

**CONCERNS:** THE TMDL REQUIRES NO NET INCREASE IN TOTAL NITROGEN IN THE CHIWAWA AT THE CONFLUENCE WITH THE WENATCHEE RIVER. THE UPPER CHIWAWA RESEARCH AVAILABLE SHOWS THIS CREEK TO BE OLIGOTROPHIC IN THE UPPER REGIONS TO A LEVEL THAT ANY NUTRIENTS FROM THE FISH FEEDING ARE ANTICIPATED TO BE ABSORBED INTO THE WATER COLUMN BEFORE THE CHIWAWA CONFLUENCES WITH THE WENATCHEE. HOWEVER, THE TMDL REQUIREMENT WILL MANDATE THAT BOTH UPSTREAM AND DOWNSTREAM MONITORING WILL BE REQUIRED WHILE FISH ARE ON STATION. WHILE EVERY OTHER YEAR INSPECTIONS ARE TYPICAL FOR FIN-FISH ACTIVITIES WHILE FISH ARE ON STATION, THE INACCESSIBILITY OF THIS LOCATION WILL REQUIRE ADJUSTMENTS TO THIS SCHEDULE AND RECOGNITION THAT ACCESS MAY REQUIRE SNOWMOBILE, SNOWCAT, ATV OR SOME OTHER MEANS OF TRANSPORTATION FOR AROUND 25 MILES.

**BMP CONSIDERATIONS:** TANKS WILL NEED TO BE CLEANED WHEN USE IS DONE AND SOLIDS DISPOSED OF IN AN UPLAND LOCATION WELL AWAY FROM WATER SOURCES. FOOD SHOULD BE DRY AND HAND FED TO MINIMIZE WASTAGE. IT IS LIKELY THAT ACCLIMATION PONDS MAY NEED CLEANED AT LEAST ONCE PER PERMIT TERM AND THIS MAY BE ADJUSTED. UPLAND DISPOSAL WILL BE REQUIRED.

PHOTOS, TRINITY:



PHELPS CREEK BELOW INTAKE



OPERATIONAL HYDROPOWER PLANT



EXISTING ACCLIMATION POND



R: APPROXIMATE LOCATION OF NEW POND. SE OF EXISTING. L: CHIWAWA RIVER APPROXIMATELY 4 MILES DOWNSTREAM.

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2. **WHITE RIVER SPRINGS ACCLIMATION SITE.** THIS SITE IS LOCATED APPROXIMATELY 32 MILES FROM LEAVENWORTH OFF WHITE RIVER ROAD. PRIVATELY OWNED PROPERTY AND IS IN AREA MANAGED BY WDFW. WATER SUPPLY IS NATURAL SPRINGS COMING FROM DIRTY FACE MOUNTAIN WITH VOLITIONAL RELEASE INTO DIRTY FACE CREEK TO WHITE RIVER. WHITE RIVER IS ALMOST IMMEDIATE DOWNSTREAM. FISH ON STATION MARCH AND APRIL. APPROXIMATELY 50,000 COHO.

EXISTING: PONDS FED BY NATURAL SPRINGS AND NATURAL RELEASE TO DIRTY FACE CREEK TO WHITE RIVER.

TO BE DEVELOPED: SOME METHOD TO GET THE FISH TO THE POND FROM THE ROAD. POND NOT CURRENTLY ACCESSIBLE BY ROLLING STOCK. WHATEVER IS DEVELOPED WILL BE SET UP AND REMOVED ANNUALLY.

INFORMATION: THE PLAN IS FOR THE FISH TO FIND NATURAL FOOD SOURCES BUT FEEDING WILL LIKELY BE CONDUCTED THE LAST FEW WEEKS OF ACCLIMATION TO GET THE FISH TO DESIRED GOAL WEIGHT OF 17 FISH PER LB. IT IS UNKNOWN ENTIRELY YET THE PREDATION RATES ON MIGRATING SMOLTS AS THEY TRAVEL THROUGH LAKE WENATCHEE. THERE IS HEAVY PREDATION BUT EXACT PERCENTAGE TO BE DETERMINED. THERE MAY COME A TIME WHERE THIS SITE IS NOT VIABLE BECAUSE OF THE PREDATION.

CONCERNS: NONE. LAKE WENATCHEE WILL PROVIDE MITIGATION FOR ANY FEEDING PRACTICES. PERMIT WILL HAVE LOW MONITORING FOR THIS SITE. JUST THE BASICS THAT ARE INCLUDED IN THE GENERAL PERMIT EXCEPT LIKELY ONE PER SEASON.

BMP CONSIDERATIONS: DRY FOOD, HAND FED TO MINIMIZE WASTE RECOMMENDED. CONSIDERATION OF FEED CONTENT RECOMMENDED. CLEANING OF THESE PONDS IS UNKNOWN AT THIS TIME. SOME CONSIDERATION FOR INSPECTIONS WILL NEED TO BE TAKEN AND LIKELY LESS FREQUENT THAN EVERY OTHER YEAR.

PHOTOS, WHITE RIVER SPRINGS:



L: DOWN AT THE END OF VISIBLE DITCH LINE IS THE POND. C & R: DIRTY FACE MOUNTAIN SPRINGS. BOTH WITH WATER RUNNING EVEN IN AUGUST.

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3. **WHITE RIVER BRIDGE ACCLIMATION SITE.** THIS SITE IS LOCATED APPROXIMATELY 28 MILES FROM LEAVENWORTH ON THE LITTLE WENATCHEE RIVER ROAD; JUST OFF THE ROAD JUST BEFORE IT CROSSES WHITE RIVER. EASY ACCESS. FORMER LOCATION OF GRANT COUNTY PUD ACCLIMATION SITE AND THE PUD IS CURRENT LAND OWNER. WATER WILL COME FROM AND RETURN TO WHITE RIVER. FISH ON STATION MARCH AND APRIL. APPROXIMATELY 60,000 COHO.

EXISTING: NOTHING. WATER RIGHTS AND POWER.

TO BE CONSTRUCTED: TANKS, PIPES, PUMPS, GENERATOR (BACK UP) WILL BE INSTALLED AND REMOVED ANNUALLY. FISH WILL HAVE TO BE FED.

INFORMATION: IT IS UNKNOWN ENTIRELY YET THE PREDATION RATES ON MIGRATING SMOLTS AS THEY TRAVEL THROUGH LAKE WENATCHEE. THERE IS HEAVY PREDATION BUT EXACT PERCENTAGE TO BE DETERMINED. THIS SITE HOWEVER, WILL LIKELY BE MAINTAINED FOR USE DESPITE PREDATIONS BECAUSE OF THE EASE OF ACCESS AND OWNERSHIP. A SMALL GAS POWERED GENERATOR WILL BE KEPT ON SITE FOR USE IN CASE OF NORMAL POWER LOSS. FLOW THROUGH WATER WILL BE

PUMPED SO MUST HAVE CONSTANT SUPPLY. CONSIDERATION IS BEING DONE NOW WHETHER THEY WILL PUT IN A TEMPORARY CAMPER TO HAVE STAFF ON SITE.

**CONCERNS:** NONE. LAKE WENATCHEE WILL PROVIDE MITIGATION FOR ANY FEEDING PRACTICES. PERMIT WILL HAVE LOW MONITORING FOR THIS SITE. JUST THE BASICS THAT ARE INCLUDED IN THE GENERAL PERMIT LIKELY ON SAME SCHEDULE WHILE FISH ARE ON STATION (MONTHLY).

**BMP CONSIDERATIONS:** DRY FOOD, HAND FED TO MINIMIZE WASTE RECOMMENDED. CONSIDERATION OF FEED CONTENT RECOMMENDED. CLEANING OF TANKS AT END OF EACH SEASON; DISPOSED OF PROPERLY AND PREFER WATER TO BE LAND APPLIED WELL AWAY FROM RIVER. INSPECTIONS ON SAME SCHEDULE AS CURRENT.

PHOTOS, WHITE RIVER BRIDGE:



APPROXIMATE AREA OF TANKS



BANK STABILIZATION AND BRIDGE



DOWNSTREAM; WHITE RIVER.

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- CLEAR CREEK ACCLIMATION SITE:** THIS SITE IS LOCATED APPROXIMATELY 18 MILES FROM LEAVENWORTH OFF OF THE CHIWAWA LOOP ROAD AT THE THOUSAND TRAILS, LEAVENWORTH RESORT/CAMPGROUND. PRIVATELY OWNED SITE. IT IS AN EXISTING (MAN-MADE) POND THAT IS FED BY CLEAR CREEK. AT THE TIME OF THE VISIT, THE ENTIRE FLOW OF CLEAR CREEK WAS FLOWING INTO AND OUT OF THE POND. ONCE IT EXITS THE POND IT TRAVELS A SHORT DISTANCE AND CONFLUENCES WITH THE ORIGINAL STREAM BED AND THEN TRAVELS SOME DISTANCE BEFORE CONFLUENCE WITH THE CHIWAWA RIVER NOT FAR FROM CONFLUENCE WITH THE WENATCHEE RIVER. MY UNDERSTANDING (PERSONAL COMMUNICATION ON THE TOUR WITH YAKAMA NATIONS PERSONNEL) IS THAT THERE IS WATER IN THE ENTIRE LENGTH OF THE STREAM BED OF CLEAR CREEK FOR SOME PARTS OF THE YEAR, THOUGH A LARGE PORTION IS STILL DIVERTED THROUGH THE POND. THIS IS A VERY LARGE POND WITH ONLY ABOUT 1/3 USED FOR ACCLIMATION; THE OTHER 2/3 WILL BE CORDONED OFF WITH A SEINE NET. FISH ON STATION MARCH AND APRIL. APPROXIMATELY 250,000 COHO.

**EXISTING:** YES, ENTIRE POND IS EXISTING AND ALL WILL BE GRAVITY; WATER IN WITH VOLITIONAL RELEASE OF SMOLTS. NO PUMPING.

**TO BE BUILT:** SEINE NET ADDED AND REMOVED ANNUALLY.

**INFORMATION:** THE FISH WILL BE ALLOWED TO NATURAL FEED AS MUCH AS POSSIBLE. SOME FEEDING WILL NEED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE. NATURAL FRESH WATER SPECIES EXIST IN THE AREA; NATURAL BIRTHS TAKING PLACE. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. HOWEVER, THIS SITE IS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

**CONCERNS:** DISTANCE TO CHIWAWA AND THE NUMBER OF FISH ON STATION IS A CONCERN. FISH ON STATION DURING THE EARLY CRITICAL SEASON MONTHS OF THE WENATCHEE RIVER TMDL. THE WENATCHEE RIVER TMDL SAYS NO NET INCREASE OF NITROGEN OUT OF THE CHIWAWA. DISCHARGE CHARACTERIZATION WILL NEED TO BE EVALUATED DURING THE FIRST PERMIT TERM; WITH THE POTENTIAL FOR EXCEEDING TMDL REQUIREMENTS CALCULATED. THIS WOULD BE A COMPLIANCE SCHEDULE OF SORTS TO MEET THE TMDL REQUIREMENTS FOR DISCHARGES. ACCESS MAY BE AN ISSUE DURING CERTAIN TIMES OF THE YEAR. I DO NOT KNOW HOW WELL THIS FACILITY IS STAFFED DURING THE "OFF SEASON" FOR RECREATIONAL CAMPING. REGULAR SITE VISITS (LIKELY ANNUAL) WOULD BE BEST AT THIS SITE (AT LEAST DURING THE FIRST PERMIT TERM). DOWNSTREAM MONITORING WILL BE REQUIRED.

**BMP CONSIDERATIONS:** FEED SOURCE AND SUPPLY CRITICAL AT THIS SITE. LOWEST LEVELS OF PHOSPHORUS AND NITROGEN IN FEED PURCHASED WILL BE NEEDED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND MAY BE A PROBLEM IN THE FUTURE BECAUSE OF THE SIZE OF IT.

PHOTOS, CLEAR CREEK ACCLIMATION:



POND, THIS SIDE 1/3 TO BE USED



POND DISCHARGE TO BYPASS CREEK THAT GOES TO ORIGINAL STREAMBED



BLACK ARROW POINTS TO A NATURAL BORN TROUT



BACKGROUND ARROW IS ORIGINAL STREAMBED OF CLEAR CREEK  
 FOREGROUND ARROW IS DISCHARGE LANE FROM POND.

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- BEAVER CREEK ACCLIMATION SITE:** THIS SITE IS LOCATED APPROXIMATELY 15 MILES FROM LEAVENWORTH OFF OF THE CHIWAWA LOOP ROAD AT THE MOUNTAIN SPRINGS LODGE/RESORT. PRIVATELY OWNED SITE. IT IS AN EXISTING (MAN-MADE) POND THAT IS FED BY BEAVER CREEK. AT THE TIME OF THE VISIT, THE ENTIRE FLOW OF BEAVER CREEK WAS FLOWING INTO AND OUT OF THE POND. THE CREEK WAS DIVERTED. ONCE IT EXITS THE POND IT REMAINS BEAVER CREEK THAT THEN TRAVELS SOME DISTANCE BEFORE CONFLUENCE WITH THE WENATCHEE RIVER. THIS IS A SMALL POND WITH THE ENTIRE POND TO BE USED FOR ACCLIMATION. FISH ON STATION MARCH AND APRIL. APPROXIMATELY 100,000 COHO.

**EXISTING:** YES, ENTIRE POND IS EXISTING AND ALL WILL BE GRAVITY; WATER IN WITH VOLITIONAL RELEASE OF SMOLTS. NO PUMPING.

**TO BE BUILT:** NOTHING

**INFORMATION:** THE FISH WILL BE ALLOWED TO NATURAL FEED AS MUCH AS POSSIBLE. SOME FEEDING WILL NEED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. THIS SITE HAS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

**CONCERNS:** DISCHARGE TO THE WENATCHEE RIVER AND THE NUMBER OF FISH ON STATION IS A CONCERN. FISH ON STATION DURING THE EARLY CRITICAL SEASON MONTHS OF THE WENATCHEE RIVER TMDL. DISCHARGE CHARACTERIZATION WILL NEED TO BE EVALUATED DURING THE FIRST PERMIT TERM; WITH THE POTENTIAL FOR EXCEEDING TMDL REQUIREMENTS CALCULATED. THIS WOULD BE A COMPLIANCE SCHEDULE OF SORTS TO MEET THE TMDL REQUIREMENTS FOR DISCHARGES. ACCESS MAY BE AN ISSUE DURING CERTAIN TIMES OF THE YEAR. I DO NOT KNOW HOW WELL THIS FACILITY IS STAFFED DURING THE “OFF SEASON” FOR RECREATIONAL USE. ACCESS PAST THE PAVED PORTION OF THE LODGE AREA MAY BE A PROBLEM AND REQUIRE ALTERNATE TRANSPORTATION. IT IS NOT A LONG WAYS; BUT FAR ENOUGH AND UNIMPROVED ENOUGH TO BE A POTENTIAL ISSUE WITH SPRING WET WEATHER. REGULAR SITE VISITS (LIKELY ANNUAL) WOULD BE BEST AT THIS SITE (AT LEAST DURING THE FIRST PERMIT TERM). DOWNSTREAM MONITORING WILL BE REQUIRED. **(9/6/2018 UPDATE NOTE: BEAVER CREEK SITE HAS BEEN USED TO ACCLIMATE FISH WITHIN THE LAST 3-5 YEARS. THERE IS A POSSIBILITY TO DO SOME SPECIAL PERMITTING EXEMPTIONS BASED UPON THE HISTORICAL USE AND THE STREAM MILE DISTANCE FROM THE WENATCHEE RIVER).**

**BMP CONSIDERATIONS:** FEED SOURCE AND SUPPLY CRITICAL AT THIS SITE. LOWEST LEVELS OF PHOSPHORUS AND NITROGEN IN FEED PURCHASED WILL BE NEEDED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND MAY BE A PROBLEM IN THE FUTURE BECAUSE OF THE LOCATION.

PHOTOS, BEAVER CREEK ACCLIMATION:



BEAVER CREEK POND; SMALL STAR IS INLET    OUTFALL PIPE FROM POND BACK TO STREAMBED



SMALL STAR REPRESENTS CONFLUENCE OF BEAVER CREEK WITH WENATCHEE RIVER.

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- 6. **POWERLINE ACCLIMATION SITE:** THIS SITE IS LOCATED APPROXIMATELY 23 MILES FROM LEAVENWORTH OFF OF WHITEPINE ROAD. WHITEPINE ROAD IS APPROXIMATELY 5 MILES PAST THE NASON CREEK REST AREA ON HIGHWAY 2. PRIVATELY OWNED SITE. THERE IS NOTHING THERE AT THIS TIME AND WILL BE BUILT. FISH ON STATION MARCH THROUGH EARLY TO MID-JUNE. FACILITY IS BEING DESIGNED FOR 75,000 FISH; HOWEVER WILL LIKELY ONLY BE 50,000 PER YEAR. ALL STEELHEAD. RELEASE IS A LITTLE BIT LATER (EARLY TO MID JUNE; VS. APRIL FOR COHO AND CHINOOK)..

EXISTING: QUITE A BIT OF WATER FROM UNNAMED CREEK/SPRING SOURCE. EVEN IN AUGUST.

TO BE BUILT: EVERYTHING; PONDS (1), NO PUMPS, ALL GRAVITY, VOLITIONAL RELEASE TO NASON CREEK VIA THE UNNAMED CREEK STREAMBED.

INFORMATION: FEEDING WILL LIKELY BE NEEDED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE; HOWEVER IF THE POND IS LEFT IN PLACE WITH FLOW THROUGH WATER THIS MAY CHANGE OVER THE COURSE OF TIME. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. HOWEVER, THIS SITE IS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

CONCERNS: NOT TOO MUCH CONCERN OVER THIS SITE. THE WENATCHEE RIVER IS SEVERAL STREAM MILES (APPROXIMATELY 14 ROAD MILES AND STREAM MILES ARE HIGHER) DOWNSTREAM. DISCHARGE CHARACTERIZATION IS RECOMMENDED DURING FIRST PERMIT TERM. (9/6/2018 UPDATE NOTE: IMPAIRMENT ON NASON CREEK NEAR CONFLUENCE AREA FOR PCB'S. BECAUSE THIS FACILITY WILL NOT INCLUDE ANY TANKS, ETC; A WASTE CHARACTERIZATION SHOULD BE DONE JUST BECAUSE OF THE PCB POTENTIAL IN FISH FEED. THOUGH MANY OF THE NASON CREEK DISCHARGE SITES HAVE HISTORIC USE IN THE LAST 3-5 YEARS; THIS SITE IS NEW AND WILL NOT HAVE THE "HISTORIC USE" CONSIDERATION). PERMIT LIMITATIONS WILL LIKELY BE SIMILAR TO THE CURRENT GENERAL PERMIT. NORMAL INSPECTION SCHEDULE.

BMP CONSIDERATIONS: FEED SOURCE AND SUPPLY SHOULD BE ANALYZED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND PROBABLY NOT A PROBLEM IN THE FUTURE BUT SHOULD BE REQUIRED ON AT LEAST ONCE PER PERMIT TERM UNLESS PROOF EXISTS THAT IT IS NOT NEEDED.

PHOTOS, POWERLINE ACCLIMATION:



AREA OF POND PLACEMENT



UNNAMED CREEK FLOW ABOVE ROAD



UNNAMED CREEK BELOW RD.

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- 7. **ROHLFING ACCLIMATION SITE:** THIS SITE IS LOCATED APPROXIMATELY 25 MILES FROM LEAVENWORTH OFF OF WHITEPINE ROAD. WHITEPINE ROAD IS APPROXIMATELY 5 MILES PAST THE NASON CREEK REST AREA ON HIGHWAY 2. PRIVATELY OWNED SITE. THERE IS ALREADY A POND AT THIS SITE. FISH ON STATION MARCH AND APRIL. POND RECEIVES WATER FROM AN UNNAMED CREEK THAT WAS BARELY TRICKLING AT THE TIME OF THIS VISIT. 105,000 COHO TO BE ACCLIMATED WITH VOLITIONAL RELEASE TO THE UNNAMED CREEK STREAMBED TO NASON CREEK.

EXISTING: POND, INLET, OUTLET, AND STREAMBED. NO PUMPING, ALL GRAVITY, VOLITIONAL RELEASE. NOT MUCH WATER PRESENT FROM UNNAMED CREEK/SPRING SOURCE AT TIME OF VISIT BUT ACCORDING TO YN FISHERIES STAFF

THERE IS PLENTY IN SPRING.

**TO BE BUILT:** NOTHING

**INFORMATION:** SOME NATURAL FEEDING IS ANTICIPATED. FEEDING WILL LIKELY BE NEEDED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE. HOWEVER THE POND IS EXISTING SO WILL CONTINUE TO DEVELOP FEED. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. HOWEVER, THIS SITE IS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

**CONCERNS:** NOT TOO MUCH CONCERN OVER THIS SITE. THE WENATCHEE RIVER IS SEVERAL STREAM MILES (APPROXIMATELY 14 ROAD MILES AND STREAM MILES ARE HIGHER) DOWNSTREAM. DISCHARGE CHARACTERIZATION IS RECOMMENDED DURING FIRST PERMIT TERM. **(9/6/2018 UPDATE NOTE: ROHLFING ACCLIMATION SITE HAS BEEN USED TO ACCLIMATE FISH WITHIN THE LAST 3-5 YEARS. THERE IS A POSSIBILITY TO DO SOME SPECIAL PERMITTING EXEMPTIONS BASED UPON THE HISTORICAL USE AND THE STREAM MILE DISTANCE FROM THE WENATCHEE RIVER. THERE IS AN IMPAIRMENT ON NASON CREEK IN THE AREA OF THE CONFLUENCE WITH THIS DISCHARGE. THIS IS AN EXISTING POND AND HAS NO TANKS WITH PAINT, CAULK, ETC. INCLUDED IN THE PERMIT SHOULD BE A WASTE CHARACTERIZATION TO DETERMINE LEVEL (IF ANY) OF PCB IN FISH FEED THAT COULD CONTRIBUTE TO THE IMPAIRMENT).**

PERMIT LIMITATIONS WILL LIKELY BE SIMILAR TO THE CURRENT GENERAL PERMIT. NORMAL INSPECTION SCHEDULE.

**BMP CONSIDERATIONS:** FEED SOURCE AND SUPPLY SHOULD BE ANALYZED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND PROBABLY NOT A PROBLEM IN THE FUTURE BUT SHOULD BE REQUIRED ON AT LEAST ONCE PER PERMIT TERM UNLESS PROOF EXISTS THAT IT IS NOT NEEDED. DISPOSAL TO UPLAND LOCATION.

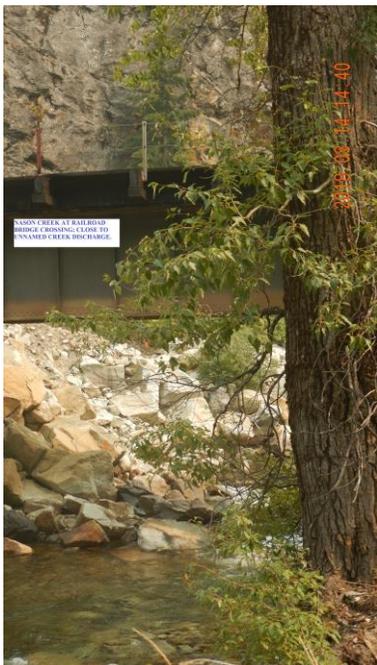
**PHOTOS, ROHLFING ACCLIMATION**



ROHLFING POND. GROUND ON LEFT IS AN ISLAND. ARROW IS INLET.

BACK SIDE OF ISLAND

POND DISCHARGE TO UNNAMED CREEK BED



NASON CREEK NEAR ROHLFING DISCHARGE AND ALSO CLOSE TO POWERLINE DISCHARGE

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- 8. **BUTCHER ACCLIMATION SITE:** THIS SITE IS LOCATED APPROXIMATELY 20 MILES FROM LEAVENWORTH OFF OF NASON RIDGE ROAD. NASON RIDGE ROAD IS APPROXIMATELY 1 MILES PAST THE NASON CREEK REST AREA ON HIGHWAY 2.

HOWEVER THE BRIDGE ON NASON RIDGE ROAD OVER NASON CREEK IS OUT; SO YOU MUST STAY ON HIGHWAY 2 TO A SMALL ACCESS ROAD THAT GOES TO THE NASON RIDGE ROAD AND THEN GO TO THE BLOCKED OFF BRIDGE. THE POND IS TO THE RIGHT. PRIVATELY OWNED SITE. THERE IS ALREADY A POND AT THIS SITE; IT IS A NATURAL POND THAT WAS DEVELOPED BY A BEAVER DAM. FISH ON STATION MARCH AND APRIL. POND RECEIVES WATER FROM BUTCHER CREEK THAT WAS FLOWING WELL AT THE TIME OF THIS VISIT. 105,000 COHO TO BE ACCLIMATED WITH VOLITIONAL RELEASE TO NASON CREEK. AT SOME POINT IN THE FUTURE THE COULTER ACCLIMATION SITE AND THIS SITE WILL BE USED IN ALTERNATE YEARS SO THAT ONLY ONE OF THE SITES IS USED PER YEAR. AT THE BEGINNING BOTH SITES WILL BE USED.

EXISTING: POND, INLET, OUTLET, AND STREAMBED. NO PUMPING, ALL GRAVITY, VOLITIONAL RELEASE.

TO BE BUILT: NOTHING

INFORMATION: SOME NATURAL FEEDING IS ANTICIPATED. FEEDING WILL LIKELY BE NEEDED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE. HOWEVER THE POND IS EXISTING SO WILL CONTINUE TO DEVELOP FEED. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. HOWEVER, THIS SITE IS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

CONCERNS: NOT TOO MUCH CONCERN OVER THIS SITE. THE WENATCHEE RIVER IS SEVERAL STREAM MILES (APPROXIMATELY 10 ROAD MILES AND STREAM MILES ARE HIGHER) DOWNSTREAM. DISCHARGE CHARACTERIZATION IS RECOMMENDED DURING FIRST PERMIT TERM. **(9/6/2018 UPDATE NOTE: BUTCHER SITE HAS BEEN USED TO ACCLIMATE FISH WITHIN THE LAST 3-5 YEARS. THERE IS A POSSIBILITY TO DO SOME SPECIAL PERMITTING EXEMPTIONS BASED UPON THE HISTORICAL USE AND THE STREAM MILE DISTANCE FROM THE WENATCHEE RIVER. THERE IS AN IMPAIRMENT ON NASON CREEK IN THE AREA OF THE CONFLUENCE WITH THIS DISCHARGE. THIS IS AN EXISTING POND AND HAS NO TANKS WITH PAINT, CAULK, ETC. INCLUDED IN THE PERMIT SHOULD BE A WASTE CHARACTERIZATION TO DETERMINE LEVEL (IF ANY) OF PCB IN FISH FEED THAT COULD CONTRIBUTE TO THE IMPAIRMENT).**

PERMIT LIMITATIONS WILL LIKELY BE SIMILAR TO THE CURRENT GENERAL PERMIT. NORMAL INSPECTION SCHEDULE.

BMP CONSIDERATIONS: FEED SOURCE AND SUPPLY SHOULD BE ANALYZED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND PROBABLY NOT A POSSIBILITY IN THE FUTURE BECAUSE OF SIZE AND LOCATION.

PHOTOS, BUTCHER ACCLIMATION:



BUTCHER ACCLIMATION POND

BUTCHER ACCLIMATION POND

BUTCHER CREEK ABOVE POND.

DISCHARGE AND VOLITION RELEASE STRAIGHT TO NASON CREEK; TO THE LEFT.

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9. COULTER ACCLIMATION SITE: THIS SITE IS LOCATED APPROXIMATELY 18 MILES FROM LEAVENWORTH OFF OF HIGHWAY 2 JUST PRIOR TO THE NASON CREEK REST AREA. PRIVATELY OWNED CABIN SITE. THERE IS ALREADY A POND AT THIS SITE; IT IS A NATURAL POND THAT WAS DEVELOPED BY A BEAVER DAM. THE PRIMARY SOURCE OF POND WATER IS COULTER CREEK. FISH ON STATION MARCH AND APRIL. 105,000 COHO TO BE ACCLIMATED WITH VOLITIONAL RELEASE WHERE FISH WILL MIGRATE DOWN COULTER CREEK AND THEN THROUGH YN FISHERIES OWNED WETLANDS AND FINALLY DISCHARGE TO NASON CREEK. AT SOME POINT IN THE FUTURE THE BUTCHER ACCLIMATION SITE AND THIS SITE WILL BE USED IN ALTERNATE YEARS SO THAT ONLY ONE OF THE SITES IS USED PER YEAR. AT THE BEGINNING BOTH SITES WILL BE USED.

EXISTING: POND, INLET, OUTLET, STREAMBED, AND WETLAND. NO PUMPING, ALL GRAVITY, VOLITIONAL RELEASE.

TO BE BUILT: NOTHING

INFORMATION: SOME NATURAL FEEDING IS ANTICIPATED. FEEDING WILL LIKELY BE NEEDED TO TAKE PLACE TO GET FISH TO THE DESIRED WEIGHT OF 17 SMOLTS PER LB. BEFORE RELEASE. HOWEVER THE POND IS EXISTING SO WILL CONTINUE TO DEVELOP FEED. THERE WILL NOT LIKELY BE SOMEBODY ON SITE FOR YN FISHERIES STAFF. HOWEVER, THIS SITE IS EASY ACCESS AND NEARBY TO OTHER FACILITIES.

**CONCERNS:** NOT TOO MUCH CONCERN OVER THIS SITE. THE WENATCHEE RIVER IS SEVERAL STREAM MILES (APPROXIMATELY 8 ROAD MILES AND STREAM MILES ARE HIGHER) DOWNSTREAM. DISCHARGE CHARACTERIZATION IS RECOMMENDED DURING FIRST PERMIT TERM. **(9/6/2018 UPDATE NOTE: COULTER ACCLIMATION SITE HAS BEEN USED TO ACCLIMATE FISH WITHIN THE LAST 3-5 YEARS. THERE IS A POSSIBILITY TO DO SOME SPECIAL PERMITTING EXEMPTIONS BASED UPON THE HISTORICAL USE AND THE STREAM MILE DISTANCE FROM THE WENATCHEE RIVER. THERE IS AN IMPAIRMENT ON NASON CREEK IN THE AREA OF THE CONFLUENCE WITH THIS DISCHARGE. THIS IS AN EXISTING POND AND HAS NO TANKS WITH PAINT, CAULK, ETC. INCLUDED IN THE PERMIT SHOULD BE A WASTE CHARACTERIZATION TO DETERMINE LEVEL (IF ANY) OF PCB IN FISH FEED THAT COULD CONTRIBUTE TO THE IMPAIRMENT).**

PERMIT LIMITATIONS WILL LIKELY BE SIMILAR TO THE CURRENT GENERAL PERMIT. NORMAL INSPECTION SCHEDULE.

**BMP CONSIDERATIONS:** FEED SOURCE AND SUPPLY SHOULD BE ANALYZED. DRY FEED, HAND FEEDING RECOMMENDED TO PREVENT WASTING AND EXCESS FISH FOOD. CLEANING OF THE POND PROBABLY NOT A POSSIBILITY IN THE FUTURE BECAUSE OF SIZE AND LOCATION.

(PLEASE NOTE: OUT OF ALL OF THE SITES THIS IS THE ONE I HAD THE MOST TROUBLE GETTING THE MILEAGES AND ROADS CORRECT. HIGHWAY 2 IS CORRECT AND IT IS CLOSE TO THE REST AREA ON HIGHWAY 2; HOWEVER THE MILEAGES MAY BE OFF UP TO 3 OR 4 MILES).

PHOTOS, COULTER ACCLIMATION:



COULTER POND (DIFFICULT TO SHOW WETLANDS)



COULTER CREEK ABOVE POND/LOW WATER YEAR.

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10. **NATAPOC HATCHERY** THE NATAPOC HATCHERY IS LOCATED APPROXIMATELY 21 MILES FROM LEAVENWORTH, WA OFF OF THE CHUMSTICK HIGHWAY; APPROXIMATELY 1 MILES FROM HIGHWAY 207, TO THE LEFT ON AN UNIMPROVED AND UNNUMBERED FOREST SERVICE ROAD. AFTER TRAVELING A SHORT DISTANCE ACROSS THE FOREST SERVICE LAND YOU WILL ARRIVE AT A GATE THAT MARKS THE PROPERTY LINE FOR THE YN FISHERIES PROPERTY. THIS FACILITY WILL ACCOMPLISH ALL PHASES OF FISH REARING AND ADULT HOLDING. ADULTS WILL BE TRAPPED AT TUMWATER AND DRYDEN DAMS AND HAULED TO THE SITE FOR RIPENING AND SPAWNING. UP TO 1 MILLION EYED EGGS WILL BE MOVED TO OTHER HATCHERIES IN NOVEMBER WITH THE REMAINING TO BE REARED TO FINGERLING SIZE (UP TO 275,000) FOR TRANSFER TO ACCLIMATION PONDS IN MARCH. THE DISCHARGE FROM THIS FACILITY IS TO THE WENATCHEE RIVER DURING TMDL NON-CRITICAL SEASON MONTHS ONLY. A LARGE LINED LAGOON WILL BE BUILT THAT WILL CONTAIN WATER FOR LAND TREATMENT IN FORESTED AND NATURAL GRASS AREA (12+ ACRES) DURING CRITICAL SEASON MONTHS AS DEFINED IN THE WENATCHEE RIVER TMDL. WATER WILL BE SUPPLIED FROM 2 WELLS (ONE ON SITE; ONE TO BE DEVELOPED STILL). TREATMENT OF WATER AND REUSE WILL BE DONE WITH RADIAL CLARIFIERS. SITE WILL INCLUDE TWO FULL TIME STAFF HOUSING.

**EXISTING:** NOTHING EXCEPT UNIMPROVED ROADS AND A WELL.

**TO BE BUILT:** HATCHERY, IMPROVED ROADS, HOUSING, DISCHARGE LINE, LAGOON, TREATMENT UNITS, ETC. BASICALLY EVERYTHING NEEDS TO BE BUILT.

**INFORMATION:** SUPPLIED ABOVE. ENGINEERING REPORT SUBMITTED AND COMMENTS FROM HYDROGEOLOGIST MATT DURKEE SUPPLIED. 100% SIGNED PLANS FOR THE TREATMENT PROCESS AND DISCHARGE LINE NEED TO BE SUBMITTED ALONG WITH SPECIFICATIONS (SEE NOTE IN BLUE BELOW). THE OPERATIONS AND MAINTENANCE MANUAL WILL BE DEVELOPED BY THE YN FISHERIES AND WILL BE SUBMITTED WITHIN 6 MONTHS OF FIRST DISCHARGE. ALL DOCUMENTS MUST BE APPROVED BY BOTH ECOLOGY HYDROGEOLOGIST AND ENGINEER BEFORE PERMIT WILL BE ISSUED. **(09/06/2018 UPDATE NOTE: THIS FACILITY HAS REQUESTED THAT CONCEPTUAL DRAWINGS BE ALLOWED FOR PERMIT ISSUANCE PER WAC 173-240-110 (5) AND A FORMAL LETTER REQUEST HAS BEEN ASKED TO BE SUBMITTED. PRELIMINARY THOUGHT WAS IF THEY COULD MAKE THE NEEDED UPDATES/CORRECTIONS/CLARIFICATIONS IN ENGINEERING REPORTS AS REQUESTED, THAT ECOLOGY MAY ALLOW THIS. THE PERMIT WOULD BE DEVELOPED, PUBLIC COMMENTED UPON, AND TENTATIVELY ISSUED BASED UPON THE CONCEPTUAL DRAWINGS THAT ARE AVAILABLE**

**NOW AT 70% COMPLETION. ON THE PERMIT SUBMITTALS REQUIREMENT IN THE POTENTIAL PERMIT, A REQUIREMENT WILL BE INCLUDED THAT STATES THAT THE 100% COMPLETED, SIGNED, AND STAMPED PLANS ARE SUBMITTED 60 DAYS BEFORE CONSTRUCTION BEGINS AND MUST BE APPROVED BEFORE CONSTRUCTION BEGINS. I AM CURRENTLY WAITING FOR THE OFFICIAL REQUEST LETTER). IS A NEW NPDES DISCHARGE PERMIT COMBINED WITH A STATE WASTE DISCHARGE PERMIT. FULL PUBLIC COMMENTING PROCEDURES WILL NEED TO BE ACCOMPLISHED AND WILL INCLUDE A PUBLIC HEARING IN WENATCHEE OR LEAVENWORTH. PERMIT DEVELOPMENT STARTED.**

**CONCERNS:** MAKING SURE ACCESS ROADS ARE ADEQUATE FOR INSPECTIONS OF OPERATIONS, LAND APPLICATION, DISCHARGE TO THE RIVER. DISCHARGE CHARACTERIZATION IS RECOMMENDED DURING FIRST PERMIT TERM. PERMIT LIMITATIONS WILL LIKELY BE SIMILAR TO THE CURRENT GENERAL PERMIT FOR SURFACE DISCHARGE. ADDITIONAL MONITORING FOR GROUNDWATER WILL BE REQUIRED. ANNUAL REPORTS ON LAND TREATMENT WILL BE REQUIRED. NORMAL INSPECTION SCHEDULE.

**BMP CONSIDERATIONS:** TYPICAL BOILER PLATE BMPS FOR NPDES DISCHARGES FOR FISH HATCHERIES AND STATE WASTE DISCHARGES TO LAND TREATMENT.

**PHOTOS, NATAPOC FISH HATCHERY SITE:**



**GATE TO YN PROPERTY FROM USFS LAND**



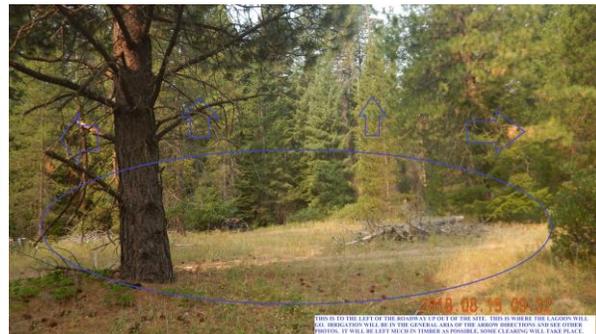
**UNIMPROVED ROAD TO HATCHERY AREA.**



**AREA FOR BUILD OF FISH HATCHERY. FAR LEFT OF LEFT PHOTO SHOWS THE PRIMARY WELL. DECKED LOGS WILL BE REMOVED.**



**AREA LEAVING HATCHERY LOCATION. RIGHT ARROW POINTS TO UNIMPROVED ROAD TO RIVER DISCHARGE AREA, LEFT ARROW IS THE ROAD OUT; CENTER IS WHERE THE HATCHERY HOUSING WILL GO; WILL BE CLEARED.**



**ARROW BY THE ROAD OUT THAT LAGOON WILL GO AT. CLEARING WILL BE DONE AS NEEDED.**

**SECTION 5: FOLLOW-UP (CHECK ALL THAT APPLY)**

	TYPE	DETAIL	RESP. PERSON	SCHEDULE	DONE
<input type="checkbox"/>	CONDUCT CLASS II				
<input type="checkbox"/>	LAB ACCRED MANUAL				
<input checked="" type="checkbox"/>	RE-INSPECT	<u>AFTER BUILDING AND/OR WHEN FISH ON STATION/ACCESS NEEDED TO SOME LOCATIONS</u>	<u>CORY KAMPHAUS OR GREG WOLFE</u>	<u>DATE NOT YET KNOWN</u>	
	RE-OPEN PERMIT				
	SEND APPLICATION				
	TECH ASSIST-REGULAR				
<input type="checkbox"/>	TECH ASSIST-OUTREACH				
<input type="checkbox"/>	MOD PERMIT AT RENEWAL				
<input type="checkbox"/>	FACILITY ACTION				
<input type="checkbox"/>	ENFORCEMENT (WARN LET				
<input type="checkbox"/>	NOV, ORDER, PENALTY)				
<input type="checkbox"/>	OTHER (SPECIFY)				
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

**SECTION 6: ACTIVITIES (CHECK ALL THAT APPLY)**

	DESCRIPTION	DATE COMPLETED	TRACKING NUMBER
<input type="checkbox"/>	DATA RECEIVED FROM LAB		
<input checked="" type="checkbox"/>	DRAFT INSPECTION REPORT COMPLETED		
<input type="checkbox"/>	FINAL INSPECTION REPORT COMPLETED		
<input type="checkbox"/>	FINAL INSPECTION RPT RCD FROM EILS		
<input type="checkbox"/>	FORM 3506 SENT TO EPA		

<input type="checkbox"/>	INSPECTION REPORT REVIEWED		
<input type="checkbox"/>	SAMPLES TO LAB		
<input checked="" type="checkbox"/>	OTHER	08/21/2018	PHOTOS ALL CATALOGED AND LABELED AS MUCH AS POSSIBLE. APPLICATION RECEIVED.

**SECTION 7: SIGNATURES**

	NAME (PRINT)	SIGNATURE	DATE	AGENCY/PH#
INSPECTOR 1	MARCIA PORTER			ECY/ 509-454-7864
INSPECTOR 2				
REVIEWER				