

Spawning Ground Survey123 forms: ODFW vs CTUIR vs Paper

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Tribal Data Workshop

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ODFW Survey 123 Collection

Chinook Spawning Ground Surve...

N/A

- ▶ Survey Info
- ▶ New Redds
- ▶ Old Redds
- ▶ ADULT - Live Fish
- ▶ JACK - Live Fish
- ▶ Carcasses
- ▶ Beaver
- ▶ Miscelaneous Waypoint Collection/Notes

- Pro
 - Easy to add each feature with little training
 - Hosted on ArcGIS Online
 - Easy to share with other agencies
- Cons
 - Each group is a separate layer
 - Requires joins to the Survey Info for viewing
 - Export creates several excel tabs
 - Hosted on ArcGIS Online (requiring additional logins)
 - Controlled by ODFW and not shared in CTUIR CDMS

Chinook Spawning Ground Survey Form - NE Oregon

▶ Survey Info

▼ New Redds

Is there a new redd? *

If you would like to see your previous entries, select "No" and use the gray arrows to toggle back and forth.

Yes No

1 of 1

▼ Old Redds

Old Redd ID

Do you need a waypoint? *

Yes No

Note:

Redd Picture

1 of 1

▼ ADULT - Live Fish

How many fish did you see? (0-200) *

CTUIR Survey 123 Collection

- Pro
 - Hosted on CTUIR ArcGIS Portal
 - Maintains CDMS Header Detail
 - Online QA and Corrections
 - Geoprocessing tool for Auto Import to CDMS
 - Easy to use with low amount of training
- Con?
 - Separate login from ArcGIS Online

GRME Spawning Ground Survey

▶ Reach Information

▼ Feature Information

▼ FeatType

Easting/Northing *

ⓘ Position source closed error

Feature Type *

Redd Old Redd

Live Carcass

Obs Shell

Start Stop

Comment

✓

GRME Spawning Ground Survey

▶ Reach Information

▼ Feature Information

▼ FeatType

Easting/Northing *

ⓘ Position source closed error

Feature Type *

Redd Old Redd Live Carcass Obs

Shell Start Stop

Species

BUT CHS PL STS

Life Stage

A J

Sex

Male Female Unkown

Fin Marks

NONE NA AD

Opercule Punch

NONE NA Opercule Punch

Origin

HAT NAT UNK

Percent Retained

✓

CTUIR Paper Collection

Spawning Survey Data, Umatilla River Basin															Page	1	of	1
Month	Aug		Day	2	Year	2017		Stream	Umatilla					Reach	21			
Surveyor(s)	J. Bonifer, M. Sheoships					Target Species	STS	CHS	CHF/COHO	BT	Weather: Partly Cloudy							
Feature Type	Feature No.	Time	Temp C°	GPS Location		Stream Conditions: Dry Low Moderate High Flooding					Weather: Snow Clear Foggy Rain Overcast							
Redd/Live etc.				Easting	Northing	Visibility: Riffles & Pools	Riffles	Neither Riffles or Pools										
Survey Start	1	09:03		386739	5060092	Fish Count	Chan.	Loc.	Habitat	Sex	Marks	Status	Length		Scale or Snout ID			
Survey End	11	13:20		381561	5059900	Species	S/B	S/M	P/R/GL/TO	M/F	Clips	% Retention	Fork	MePH	Comment			
Carcass	2	09:38	13	384963	5060554	CHS	--	--		F	None	100%	810	660	1-UMR25-080317			
-----> It was hard to get scales off of this carcass because it was degraded																		
Carcass	3	10:32	14	384745	5060486	CHS	--	--		M	AD/CWT	10%	720	520	#17P-1800			
Shell	4	10:44	14.5	384692	5060458	FM	--	--										
Redd	5	10:45	14.5	384666	5060437	CHS	B	S	TO									
Live	5	10:45	14.5	384666	5060437	CHS 2									On Redd, 1M/1F			
Observation	6	11:15	16	384347	5060298	Temp Check, took 10 minute break												
Carcass	7	11:30	16	384266	5060290	CHS	--	--		F	None	?	715	556	Harvest			
Observation	8	11:41		384257	5060222	Stream subs out												
Observation	9	12:24	13	384266	5060290	Stream subs in												
Carcass	10	12:31		384176	5060049	PL				F		30%	425					

Equipment Checklist	Carcasses (Shell: for Freshwater Mussel)	Redds	Flagging
<input type="checkbox"/> Data Sheets <input type="checkbox"/> Pencils/Pens <input type="checkbox"/> GPS <input type="checkbox"/> CWT Wand (with test tag) <input type="checkbox"/> Extra Batteries (AA) <input type="checkbox"/> Flagging <input type="checkbox"/> Permanent Marker <input type="checkbox"/> Knife <input type="checkbox"/> Measuring Tape <input type="checkbox"/> Thermometer <input type="checkbox"/> Scale Cards <input type="checkbox"/> Tweezers <input type="checkbox"/> Snout Cards <input type="checkbox"/> Snout Bags <input type="checkbox"/> Wading Boots & Socks <input type="checkbox"/> Lunch & Water <input type="checkbox"/> Polarized Glasses <input type="checkbox"/> First Aid Kit	<p>Species: must record species in column 7</p> <p>Fork Length: nose to fork of tail</p> <p>MEHP Length: mid eye to hypural plate</p> <p>Sex: Male, Female, Unknown</p> <p>Clips/Marks: AD, LV, RV, CW, NONE</p> <p>Spawning Status: Estimate % of Eggs/Gonads retained</p> <p>SAMPLES NEEDED (in 2017):</p> <p>Steelhead •Scan all AD clipped STS for wire •Take snout, if wire is present •Unmarked fish = scale sample</p> <p>Spring Chk -Scan ALL fish for wire, Take snout if present</p> <p>Fall Chk -Scan ALL fish for wire, Take snout if present</p> <p>COHO -Scan ALL fish for wire, Take snout if present</p> <p>Pacific Lamprey -Total Length, % Retention</p>	<p>Channel Type: Single (S) or Braided (B)</p> <p>Location: Side (S) or Middle (M)</p> <p>Habitat: Pool (P), Pool Tail Out (TO), Riffle (RI), Glide (GL)</p> <p>fish on redd get a separate feature line</p>	<p>Redd #</p> <p>Date</p> <p>Initials</p> <p>Location</p> <p>Habitat</p>
	<p>Features: Start, End, Redd, Carcass, Live, Observation, Shell</p> <p>Feature Number: Start is always one, go in sequence, survey end is always the last feature</p> <p>Species: Steelhead (STS), Fall Chinook (CHF), Coho (COHO) Spring Chinook (CHS), Bull Trout (BT), Pacific Lamprey (PL), Freshwater Mussels (FM)</p>	<p>Stream Conditions</p> <p>•Dry: no flow</p> <p>•Low: stream covers less than 50% of active channel width</p> <p>•Moderate: stream covers 50% to 75% of active channel width</p> <p>•High: stream covers > 75% of active channel width</p> <p>•Flooding: stream is out of its banks</p> <p>Visibility</p> <p>•Riffles & Pools: can see bottom of riffles and most pools</p> <p>•Riffles: can see bottom of riffles</p> <p>•Neither Riffles or Pools: cannot see bottom of riffles or pools</p>	
		<p>Live: use a separate feature line for all live fish, on redd, or off redd. Record GPS coordinate. Comment about on or off redd location, number, sex, and hatchery or wild if possible. You must record the species and number of individuals in 7th column</p>	

- Pro
 - No batteries required
 - Easy to make edits
 - Water Proof (Write in Rain)
- Con
 - Has to be added manually to CDMS
 - Import from Excel
 - Individual Activity
 - Decipher hand writing
 - Transcription Errors
 - Coordinate checking has to be done manually
 - Potential for not filling in required fields

Final Reports/Maps

Umatilla Spawning Ground Survey Carcass Counts				Origin			PreSpawn Mortality		
Run Year	Species	Stream	Reach	Month	UNK	HAT	Male (>50% Retained)	Female (>10% Retained)	
2021	CHS	Umatilla River	Umatilla River 18	September			0	1	
				Reach Total			0	1	
			Umatilla River 21	July	0			0	0
				Reach Total	0			0	0

Umatilla Spawning Ground Survey Redd Counts						Redd Habitat					Total Redds
Run Year	Species	Stream	Reach	Month	Surveys Conducted	GL	RI	TO	UNK		
2021	CHS	Umatilla River	Umatilla River 21	September	1	0	1	0	0	1	
				Reach Total	1	0	1	0	0	1	
			Umatilla River 22	September	1	0	0	1	0	0	1
				Reach Total	1	0	0	1	0	0	1
			Umatilla River 23	August	1	1	0	0	0	0	1
				September	3	12	3	0	0	0	15
				Reach Total	4	13	3	0	0	0	16
				Umatilla River	August	2	4	4	0	2	10
								1	0	8	
								1	2	18	
								0	0	7	
								0	0	7	

- Summary Data
 - Aggregate from Reach to Basin
- Map of Monitoring to Habitat Projects
- Map of Redds

