

# NW TREATY TRIBES USE OF ELECTRONIC FISH TICKETS

Development and Implementation of EFTs in Tribal  
Fisheries

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*Presented to the Pacific Fisheries Management Council – March, 2019 Meeting*

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# FISH TICKETS – THEN

**JL XXXXXX**

TRIBAL NAME \_\_\_\_\_  
 FISHER \_\_\_\_\_ DATE \_\_\_\_\_  
 IDENT. CARD NO. \_\_\_\_\_ DEALER \_\_\_\_\_  
 BUYER \_\_\_\_\_

Fisher's Signature \_\_\_\_\_ Dealer's Signature \_\_\_\_\_  
Under penalty of perjury, I certify that the information contained herein is accurate and complete.

**TREATY INDIAN FISH RECEIVING TICKET**

CIRCLE PHYSICAL GEAR ACTUALLY USED

SET GILLNET 16	DRIFT GILLNET 14	PURSE SEINE 19	HANDLINE JIG 42	DIP NET 11	CRAB POT 21	BEACH SEINE 12	TROLL 41	OTHER (SPECIFY) _____
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CHECK WHETHER ON OR OFF RESERVATION

☐ ON RESERVATION ☐ OFF RESERVATION

CATCH AREA \_\_\_\_\_

DEALER USE	SPECIES CODE	SPECIES AND DESCRIPTION	NO. OF FISH	POUNDS	VALUE	AMOUNT
	001	CHINOOK				
	001	CHINOOK				
	001	CHINOOK				
	002	CHUM				
	002	CHUM				
	004	COHO (SILVER)				
	004	COHO (SILVER)				
	005	SOCKEYE				
	003	PINKS (HUMPS)				
	005	STEELHEAD				
		OTHER SPECIES: PLEASE LIST _____				

**TAKE HOME FISH**

DEALER USE	SPECIES CODE	SPECIES AND DESCRIPTION	NO. OF FISH	POUNDS	VALUE	AMOUNT
	001	CHINOOK				
	002	CHUM				
	004	COHO				
	005	SOCKEYE				
	003	PINKS				
	005	STEELHEAD				

1 2 3 4 5 6 7 8 9 10

SUB TOTAL \_\_\_\_\_  
 TRIBAL TAX \_\_\_\_\_  
 TOTAL \_\_\_\_\_

FORM WDFW 575 Rev 07/11 **DEALER COPY**

**JK XXXXXX**

TRIBE NAME \_\_\_\_\_ DATE OF LANDING \_\_\_\_\_  
 NAME \_\_\_\_\_ DATE OF HARVEST \_\_\_\_\_  
 IDENT CARD NO. \_\_\_\_\_ DEALER \_\_\_\_\_  
 BUYER \_\_\_\_\_

Fisher's Signature \_\_\_\_\_ Dealer's Signature \_\_\_\_\_  
Under penalty of perjury, I certify that the information contained herein is accurate and complete.

**TREATY SHELLFISH RECEIVING TICKET**

CIRCLE PHYSICAL GEAR ACTUALLY USED

DIVE 60	CRAB POT 21	SHRIMP POT 22	BEAM TRAWL 31	OTTER TRAWL 32	MECH CLAM GEODUCK 65	CLAM DIGGER 71	OYSTER GEAR 81	OTHER (SPECIFY) _____
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CHECK WHETHER CAUGHT ON OR OFF RESERVATION

☐ ON RESERVATION ☐ OFF RESERVATION

WDOH CERTIFICATION # \_\_\_\_\_ CATCH AREA \_\_\_\_\_ SUB AREA \_\_\_\_\_ OR TRACY OR BEACH # \_\_\_\_\_

DEALER USE	SPECIES CODE	SPECIES DESCRIPTION	NO. OF SHELLFISH	POUNDS	PRICE/LB	AMOUNT
	561	DUNGENESS CRAB				
	505	GEODUCK CLAM				
	505	GEODUCK CLAM				
	505	GEODUCK CLAM				
	504	HORSE CLAM				
	506	NATIVE LITTLENECK CLAM				
	508	RAZOR CLAM				
	509	MANILA CLAM				
	523-2	PACIFIC OYSTER (Dozen)				
	523-2	PACIFIC OYSTER (Dozen)				
	523-2	PACIFIC OYSTER (Dozen)				
	591	SEA CUCUMBER				
	595	RED SEA URCHIN				
	596	GREEN SEA URCHIN				
	572	COONSTRIPE SHRIMP				
	573	SPOT SHRIMP (Whole)				
	573-2	SPOT SHRIMP (Tails)				
	574	SIDESTRIPE SHRIMP				
	575	PINK SHRIMP				

CHECK ONE: ☐ TAKE HOME ☐ CEREMONIAL ☐ SUBSISTENCE

DEALER USE	SPECIES	SPECIES AND DESCRIPTION	NO. OF FISH	POUNDS

1 2 3 4 5 6 7 8 9 10

SUB TOTAL \_\_\_\_\_ TRIBAL TAX \_\_\_\_\_ TOTAL \_\_\_\_\_

WDFW-577 (6/14) **DEALER COPY**

- Filled out for every sale of fish or shellfish.
- Large amount of information recorded.
- Multiple “carbons” of each
- Fisher – Dealer – Tribe – Co-manager
- Human error possible at multiple points in the chain.
- Rooms full of completed tickets.





# FISH TICKET HARDWARE



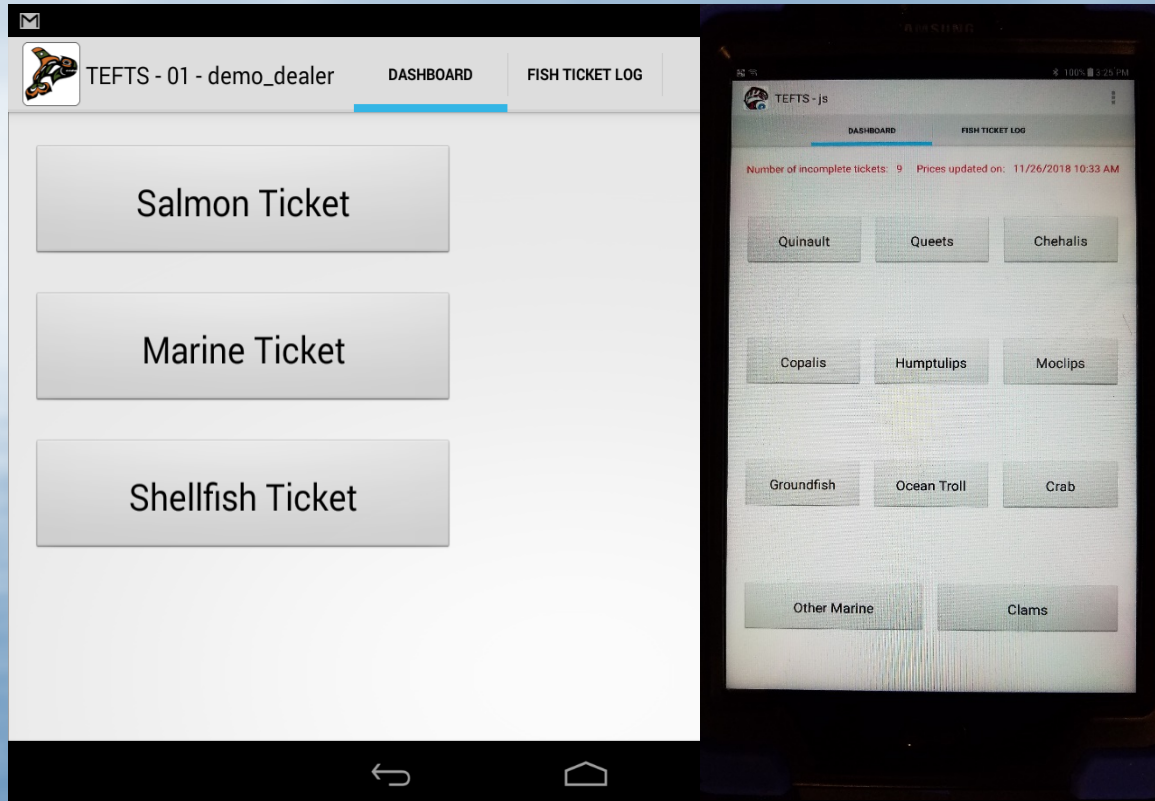
Android Tablet with WiFi and  
Portable Bluetooth Printer



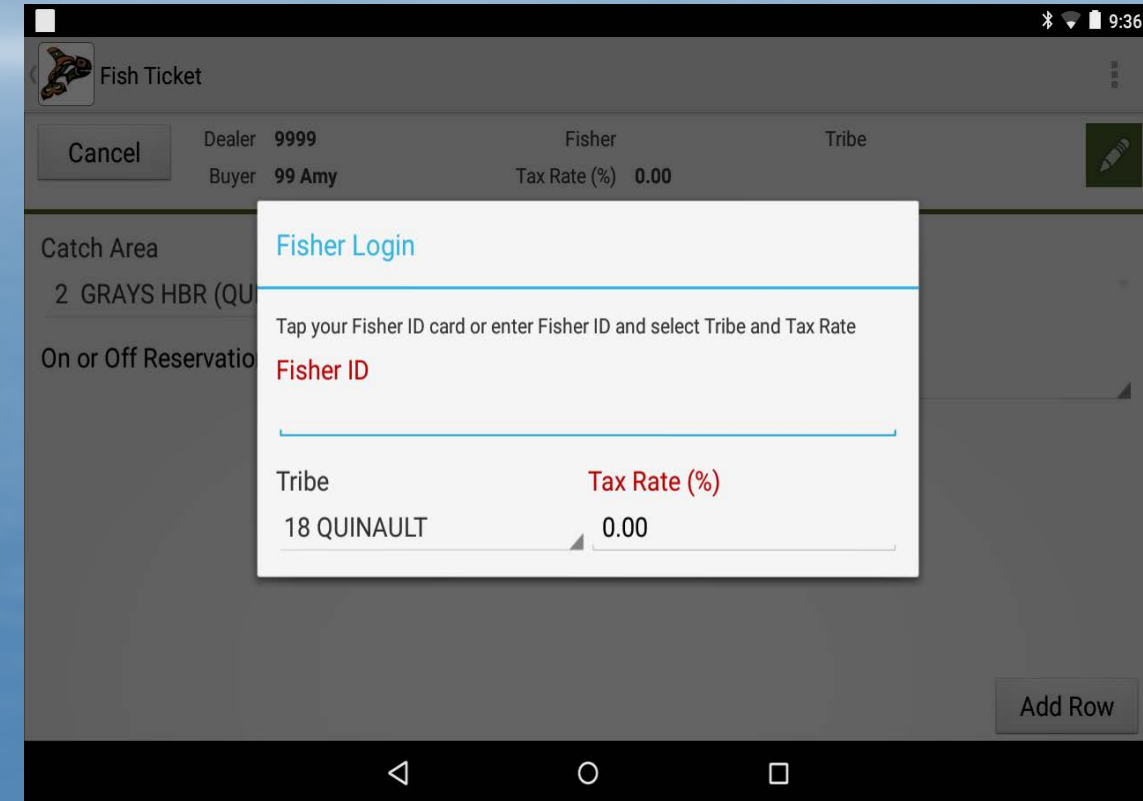
Robust in the Field



# FISH TICKET SOFTWARE (USER INTERFACE)




Workflows



Required information

# FISH TICKET SOFTWARE (USER INTERFACE)


 Fish Ticket

Cancel

Dealer 9999  
Buyer 99 Amy

Fisher 12345  
Tax Rate (%) 0.00

Tribe 13 NISQUALLY



Catch Area  
83D NISQUALLY RIVER


Landing Date  
11/29/2016

On or Off Reservation  
OFF

Gear Type  
16 Set Gill Net

Add Row

Required information

 Salmon Ticket: e45d1 - Row 1 of 1

Catch Area  
7 SAN JUAN ISLAN...

Gear Type  
19 Purse Seine

On or Off Reservation  
OFF

Tax Rate (%)  
0.00

Species

Catch Subarea

Disposition  
COMM COMMERC...

No. of Fish

Pounds

Grade

Price/lb.

Unit Type  
1 Round Pounds

Buyer Notes/Comments

Please remember to enter associated TAKE HOME catch separately.

Delete Row

Save & New Row

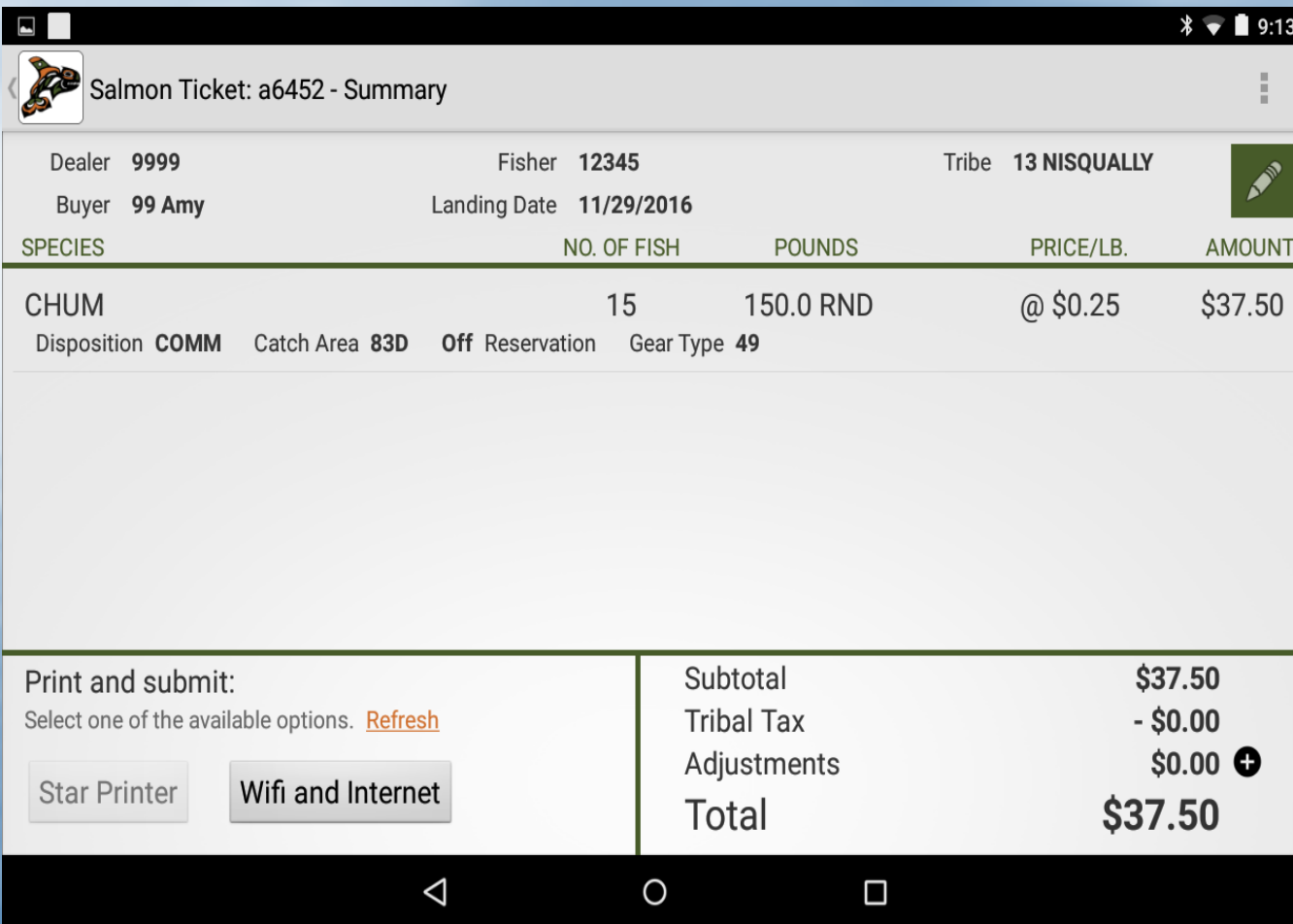
Save & View Summary

Subtotal  
Tribal Tax  
Total

\$0.00  
- \$0.00  
\$0.00

Required information

# FINALIZING THE SALE – SUMMARY AND RECEIPT



Salmon Ticket: a6452 - Summary

Dealer 9999      Fisher 12345      Tribe 13 NISQUALLY

Buyer 99 Amy      Landing Date 11/29/2016

SPECIES	NO. OF FISH	POUNDS	PRICE/LB.	AMOUNT
CHUM	15	150.0 RND	@ \$0.25	\$37.50
Disposition COMM    Catch Area 83D    Off Reservation    Gear Type 49				

Print and submit:  
Select one of the available options. [Refresh](#)

Star Printer    Wifi and Internet

Subtotal	\$37.50
Tribal Tax	- \$0.00
Adjustments	\$0.00 +
<b>Total</b>	<b>\$37.50</b>

Summary Transaction Screen. Can be multiple lines/species.

Summary screen totals sales including any added taxes. Transaction can be printed immediately or saved for upload later. Receipt protects seller/buyer when a transaction takes place in the field.



NWIFC TEFTS Salmon Ticket

11/30/2016 10:26 AM

RECEIPT NUMBER:  
98e77392-12d8-41c1-a71f-5cbefd70db21

BUYER ID: 99    DEALER ID: 9999  
FISHER ID: 12345    TRIBE ID: 13

002 CHUM      OFF RES      COMMERCIAL FISHERY  
CATCH AREA: NISQUALLY RIVER    GEAR: Set Gill Net  
10 Ct. 111.0 RND @ \$0.25      \$27.75

Subtotal      \$27.75

**Total      \$27.75**

Buyer Signature

Fisher Signature



Transaction Receipt Printed on Portable Bluetooth Printer



# DEMONSTRATION OF WEB DATA INTERFACE

<https://Quinault Fish Ticket Site>



Two ways of looking at compiled fish Tickets: .csv file download or pdf version that looks similar to old style fish tickets.

TREATY INDIAN FISH RECEIVING TICKET												
SALMON TICKET												
COMMERCIAL CATCH												
RES.	AREA	SUB AREA	GEAR	SPECIES	CODE	NAME	GRADE	# OF FISH	# OF POUNDS	UNIT TYPE	\$/LBS	ROW TOTAL
OFF	83D		16	002	-	CHUM		10	111.00	RND	\$0.25	\$27.75
Pre-tax Subtotal												\$27.75
Tribe Tax												-\$0.00
Adjustment												\$0.00
												*****
Total												\$27.75

Treaty Fish Ticket Printed Nov 30, 2016 10:35 AM

*PDF File Format*

# NW INDIAN FISHERIES COMMISSION

## DEVELOPMENT OF FISH TICKET SYSTEM

- In 2012 NWIFC Commissioners directed staff to explore electronic Treaty fish tickets.
- Working with consultants, developed dealer-based tablet app, website database.
- It captures all information currently recorded on paper Treaty fish and shellfish tickets.
- TEFTS allows Tribes to control passage of confidential information.
- Different account types include: dealer, Tribal, admin(NWIFC), and WDFW.
- Use of TEFTS is available at no charge to NWIFC 20 member Tribes.
- TEFTS fits into current data reporting system that includes both paper tickets and electronic, allowing dealers and/or Tribes to choose either method.



# POTENTIAL FUTURE IMPROVEMENTS –

- Improve database reporting summarization ability for users.
- Migrate to SQL Server as desired by users.
- Use of Fisher ID cards with chips or stickers for quick scan transfer of data into app.
- Linkage to Tribal databases for fisher and dealer license information and status.
- Linkage to Tribal databases for data corrections purposes.
- Creation of fisher accounts.
- Create further data validation routines.



# THANK YOU

QUESTIONS?

