NW TREATY TRIBES USE OF ELECTRONIC FISH TICKETS

Development and Implementation of EFTs in Tribal Fisheries

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

*Joe Schumacker* – Marine Resources Scientist, Quinault Indian Nation

*Amy Seiders* – Catch Monitoring & Fisheries Data Coordinator, NW Indian Fisheries Commission

*Rick Busch* – Senior Project Manager / Senior Analyst, Resource Data Inc.
FISH TICKETS – THEN

- 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 TICKETS - NOW

[Image of a fish ticket receipt]

RECEIPT NUMBER: 123456789
BUYER ID: 999
DEALER ID: 9999
FISHER ID: 12345
TIME: 10:26 AM
LOCATION: 123 Main St.

COMMERCIAL CATCH

- Species: Salmon
- Size: 20 lbs
- Price: $27.75

Subtotal: $27.75

Total: $27.75

Buyer Signature:

Fisher Signature:

[Image of a computer screen with a spreadsheet]

[Image of a fish ticket receipt]

[Image of a computer screen with a spreadsheet]
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)

Required information

Required information
FINALIZING THE SALE – SUMMARY AND RECEIPT

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.

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.
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?