

# 2015 Fisheries Survey Long Lake (Lake Spokane) *Preliminary Results*



Washington Department of  
**FISH AND WILDLIFE**

**Randy Osborne – District 2 Fish Biologist  
Region 1 Fish Program  
Spokane**



Long Lake Dam

**Long Lake  
(Lake Spokane)**

Stevens County  
Spokane County

Nine Mile Dam

Spokane River

Spokane

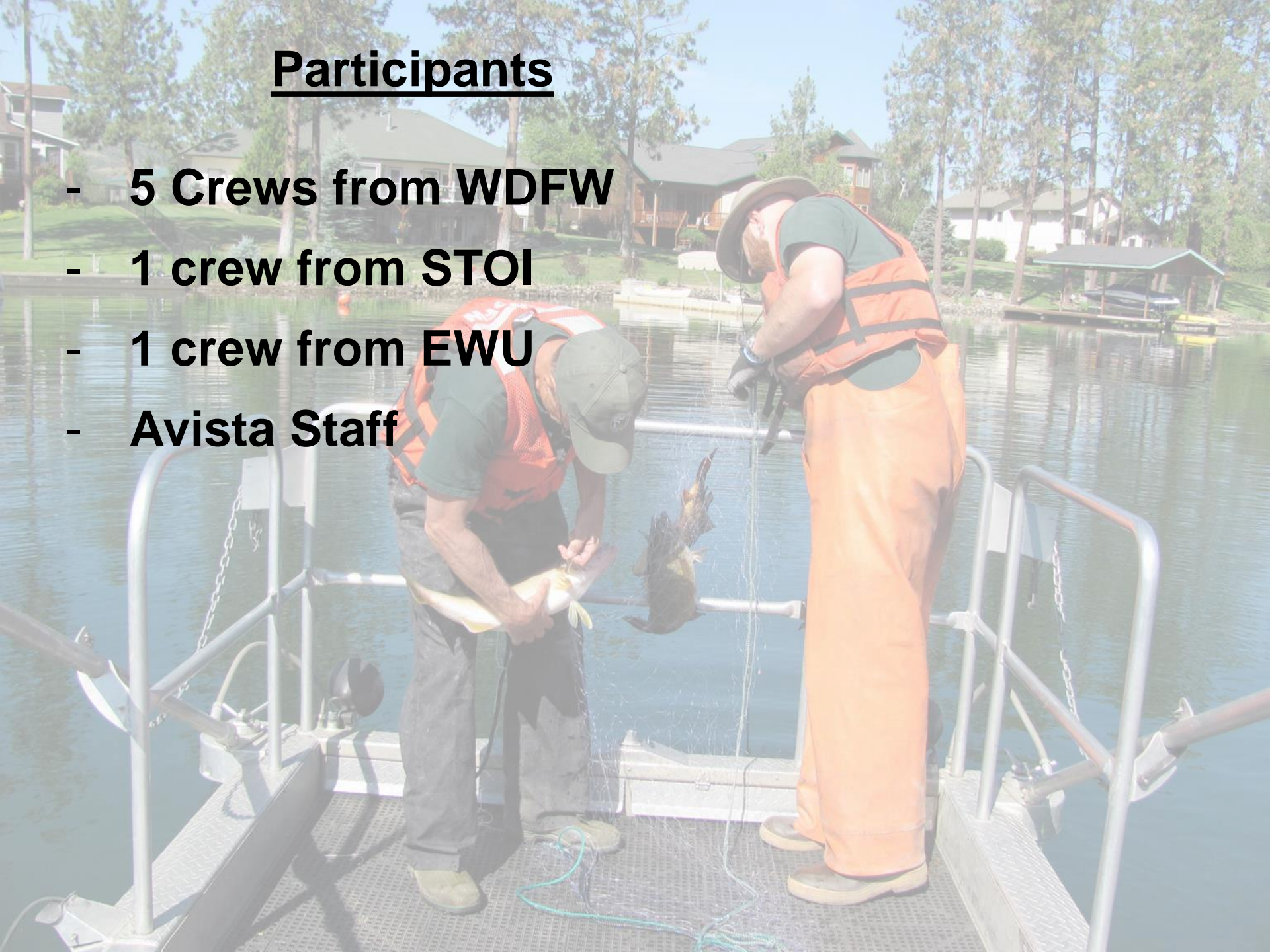
Lincoln County  
Spokane County

Airway Heights



# Participants

- **5 Crews from WDFW**
- **1 crew from STOI**
- **1 crew from EWU**
- **Avista Staff**



# Standardized Fish Surveys

## Night-time Boat Electrofishing



# Standardized Fish Surveys

## Gill Netting



# Standardized Fish Surveys

## Fyke Netting



# Effort by Gear Type

## 2001 Survey

- 105 EF Sections
- 56 gill net-nights
- 52 fyke net-nights

## 2015 Survey

- 112 EF Sections
- 54 gill net-nights
- 56 fyke net-nights



# Species Composition

**2001**

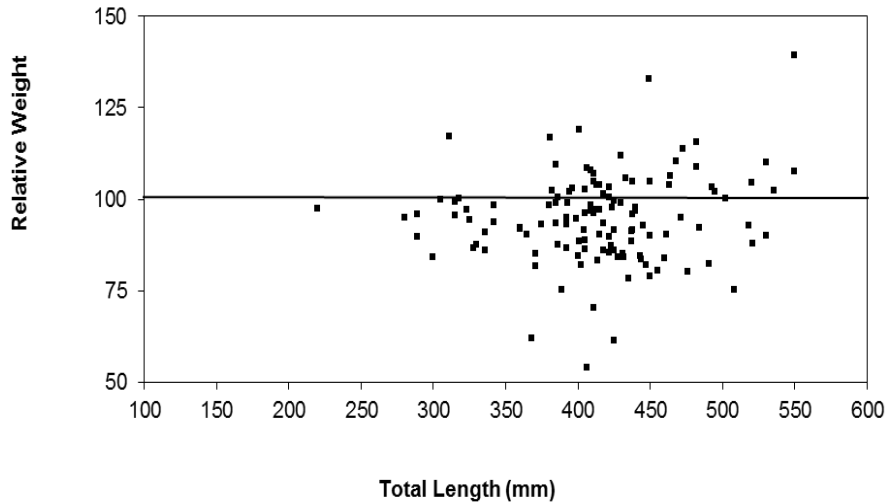
Species	Number		Size Range	
	n	% of Total	Min.	Max
Largescale Sucker	1785	30.8	72	570
Yellow Perch	1362	23.5	57	347
Northern Pikeminnow	720	12.4	54	615
Smallmouth Bass	680	11.7	63	505
Black Crappie	278	4.8	118	325
Tench	192	3.3	398	518
Largemouth Bass	130	2.2	152	550
Yellow Bullhead	109	1.9	110	318
Brown Bullhead	105	1.8	131	338
Chiselmouth	97	1.7	129	300
Common Carp	92	1.6	77	975
Mountain Whitefish	74	1.3	80	355
Sucker: General	47	0.8	95	548
Bridgelip Sucker	44	0.8	86	502
Longnose Sucker	33	0.6	123	278
Brown Trout	16	0.3	90	584
Pumpkinseed Sunfish	13	0.2	53	160
Rainbow Trout	4	0.1	112	310
Sculpin	4	0.1	78	91
Peamouth Chub	3	0.1	145	186
Channel Catfish	1	0.0	725	725
Walleye	1	0.0	462	462
Northern Pike	1	0.0	600	600

**2015**

Species	Number		Size Range	
	n	% of Total	Min.	Max
Yellow Perch	2862	34.7	76	391
Smallmouth Bass	1802	21.8	28	532
Largescale Sucker	1294	15.7	91	665
Northern Pikeminnow	610	7.4	83	557
Rainbow Trout	361	4.4	127	437
Brown Bullhead	293	3.6	74	380
Yellow Bullhead	250	3.0	55	364
Common Carp	153	1.9	400	910
Tench	123	1.5	165	503
Pumpkinseed Sunfish	106	1.3	53	168
Black Crappie	84	1.0	155	337
Bridgelip Sucker	72	0.9	115	310
Walleye	71	0.9	178	638
Chiselmouth	54	0.7	85	312
Mountain Whitefish	39	0.5	205	362
Largemouth Bass	37	0.4	44	538
Longnose Sucker	37	0.4	171	371
Northern Pike	3	0.0	321	930

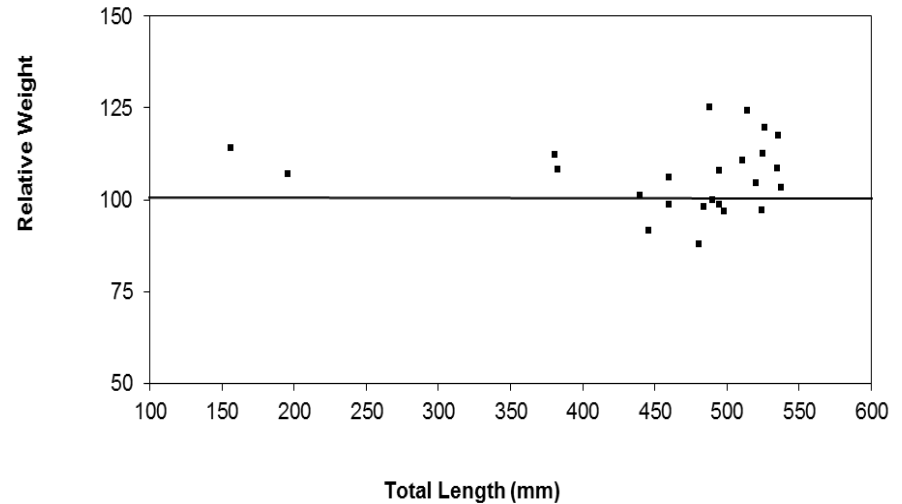
# Largemouth Bass Relative Weight 2001 vs 2015

Largemouth Bass  
Long Lake 2001



■ n = 125

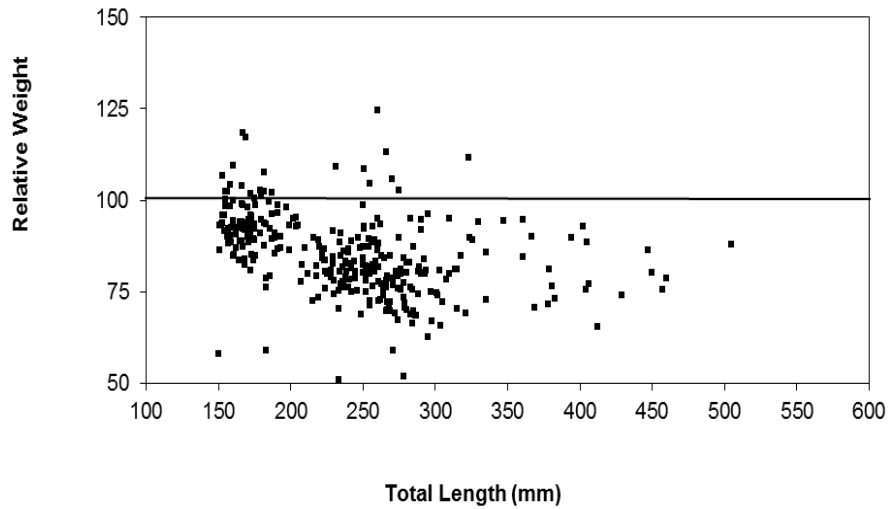
Largemouth Bass  
June 2015



■ n = 24

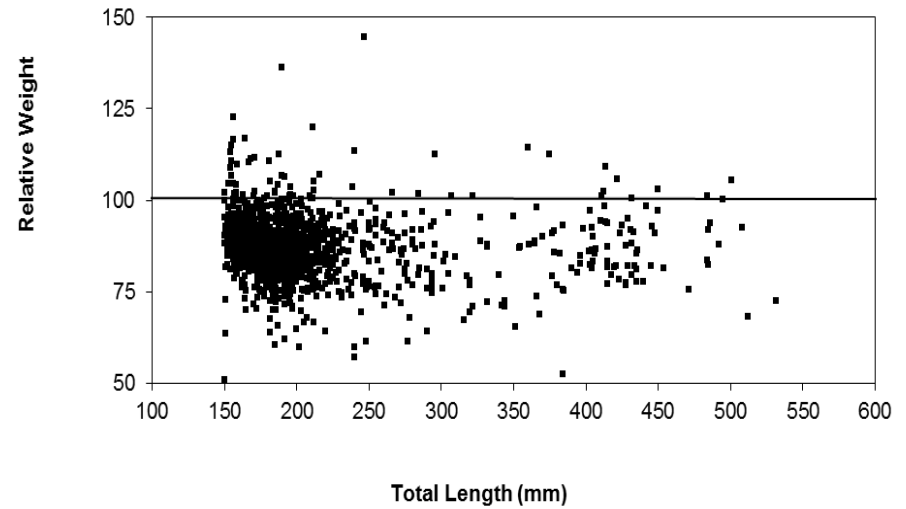
# Smallmouth Bass Relative Weight 2001 vs 2015

Smallmouth Bass  
Long Lake 2001



■ n = 322

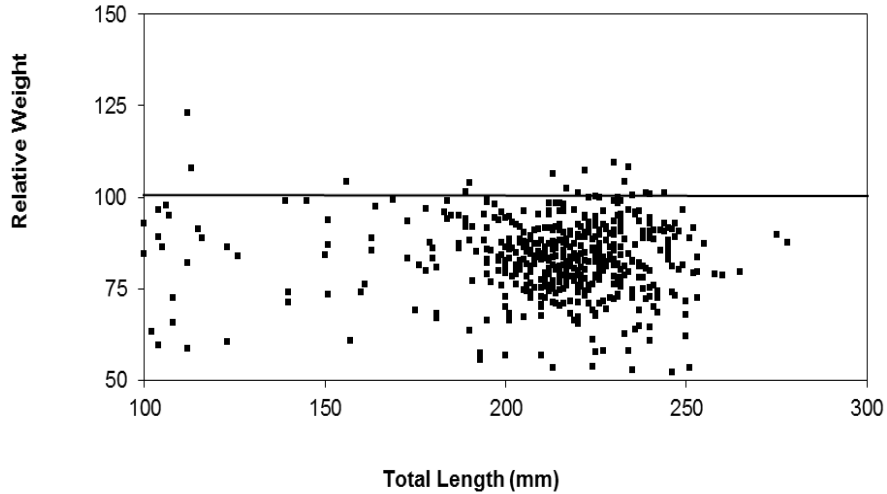
Smallmouth Bass  
June 2015



■ n = 1207

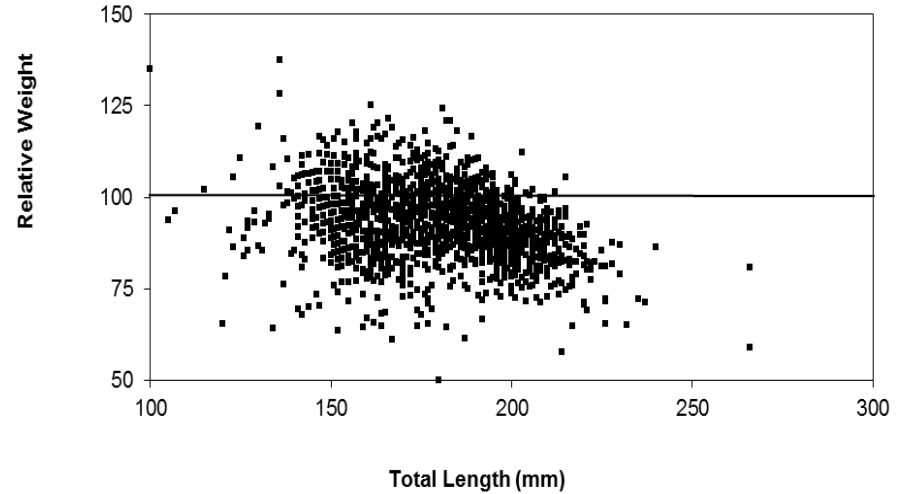
# Yellow Perch Relative Weight 2001 vs 2015

Yellow Perch  
Long Lake 2001



■ n = 657

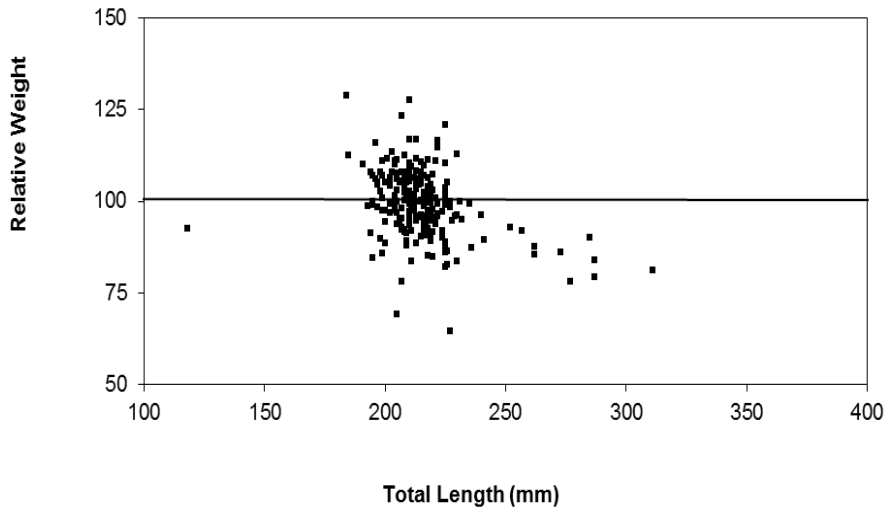
Yellow Perch  
June 2015



■ n = 2844

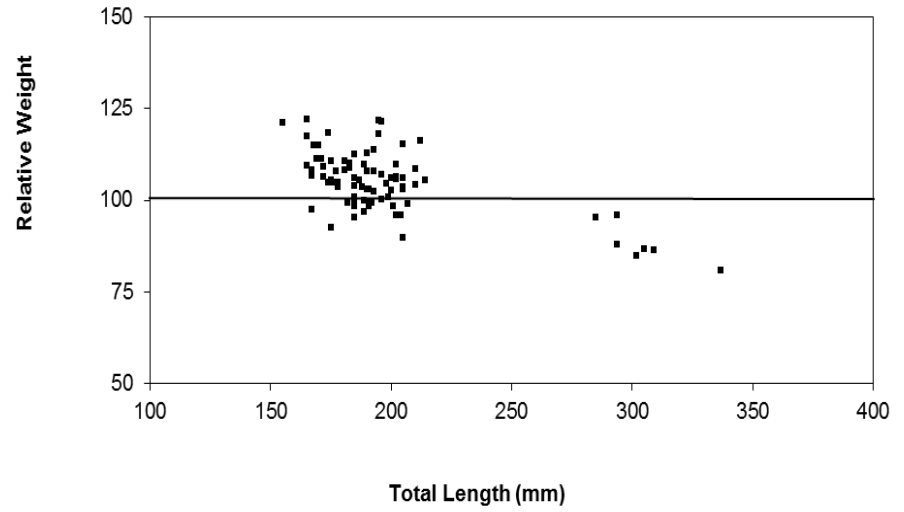
# Black Crappie Relative Weight 2001 vs 2015

Black Crappie  
Long Lake 2001



■ n = 224

Black Crappie  
June 2015



■ n = 83

Questions?



06/17/2015