

Handouts Summarizing Information

for

Lake Okeechobee Watershed Protection Plan Meeting

July 21, 2020

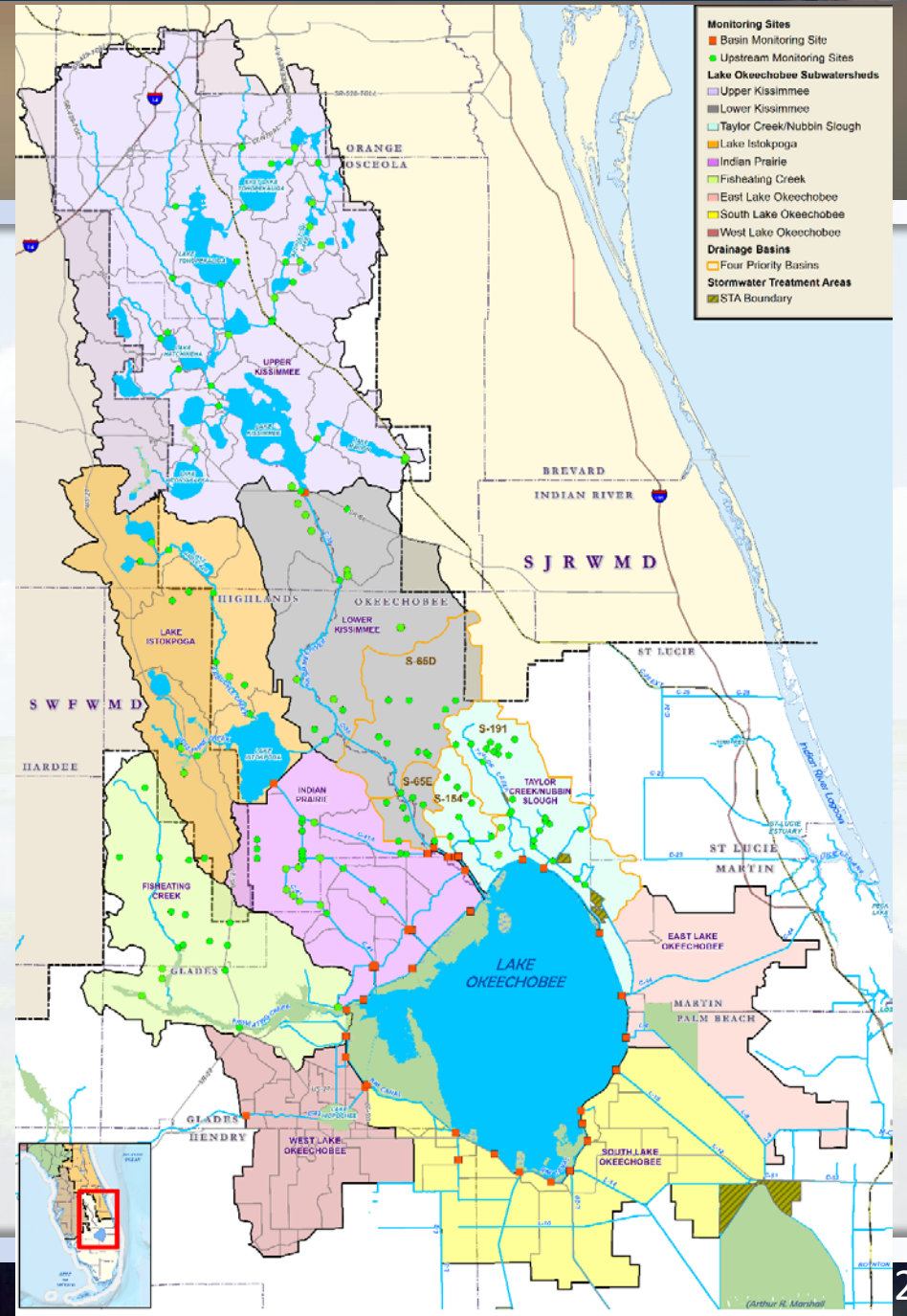
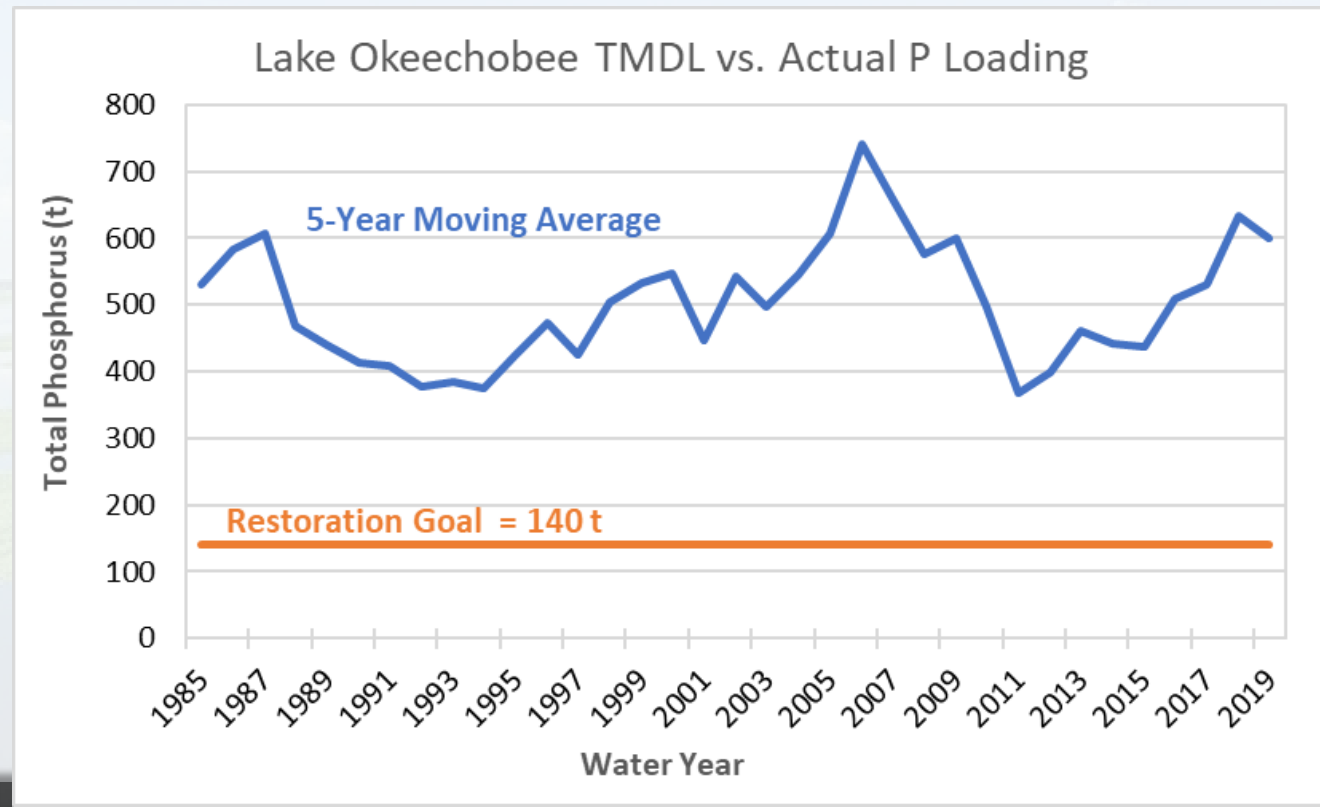
9 am

Via Zoom

Note – for presentation slides please go to presentation link on the website

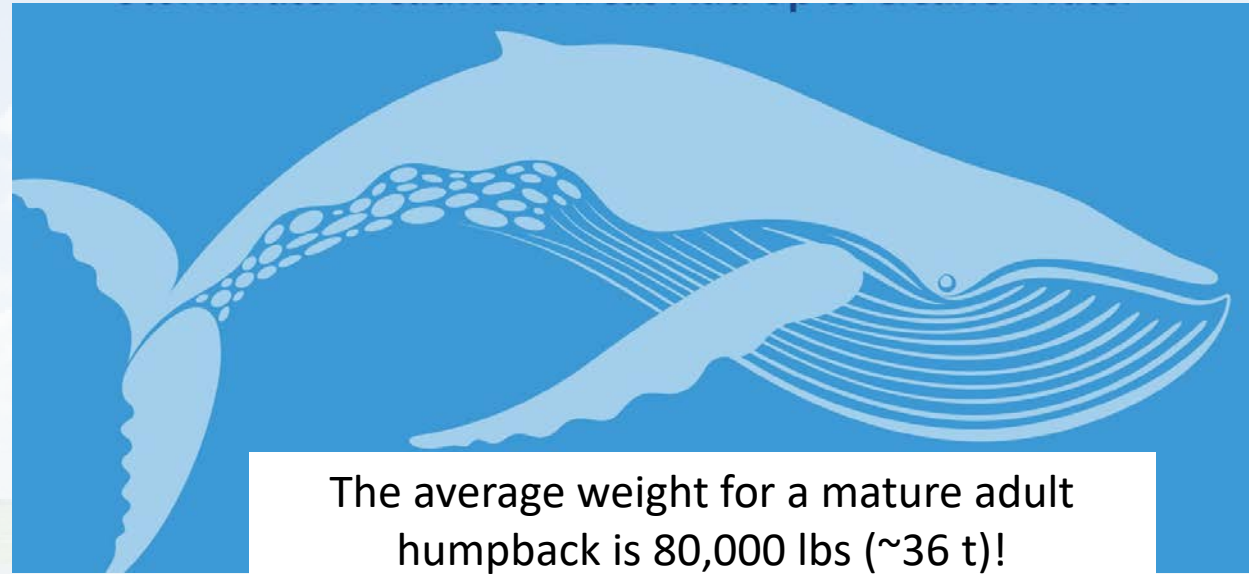
Lake Okeechobee Watershed (LOW)

- Nine Subwatersheds
- 3,450,475 acres



Data Terminology

- **Nutrient Load:** The cumulative weight of a constituent transported (usually by stormwater) passed the point of measurement. Commonly expressed in pounds (lbs) or metric tons (t).
- **Discharge Volume (acre-feet):** Amount of water required to cover 1 acre of land to a depth of 1 foot.
- **UAL: Unit Area Load** is the nutrient load per acre of area
- **FWMC: Flow Weighted Mean Concentration:** Represents the average concentration of a constituent that passes through a structure relative to the total flow volume passing through.

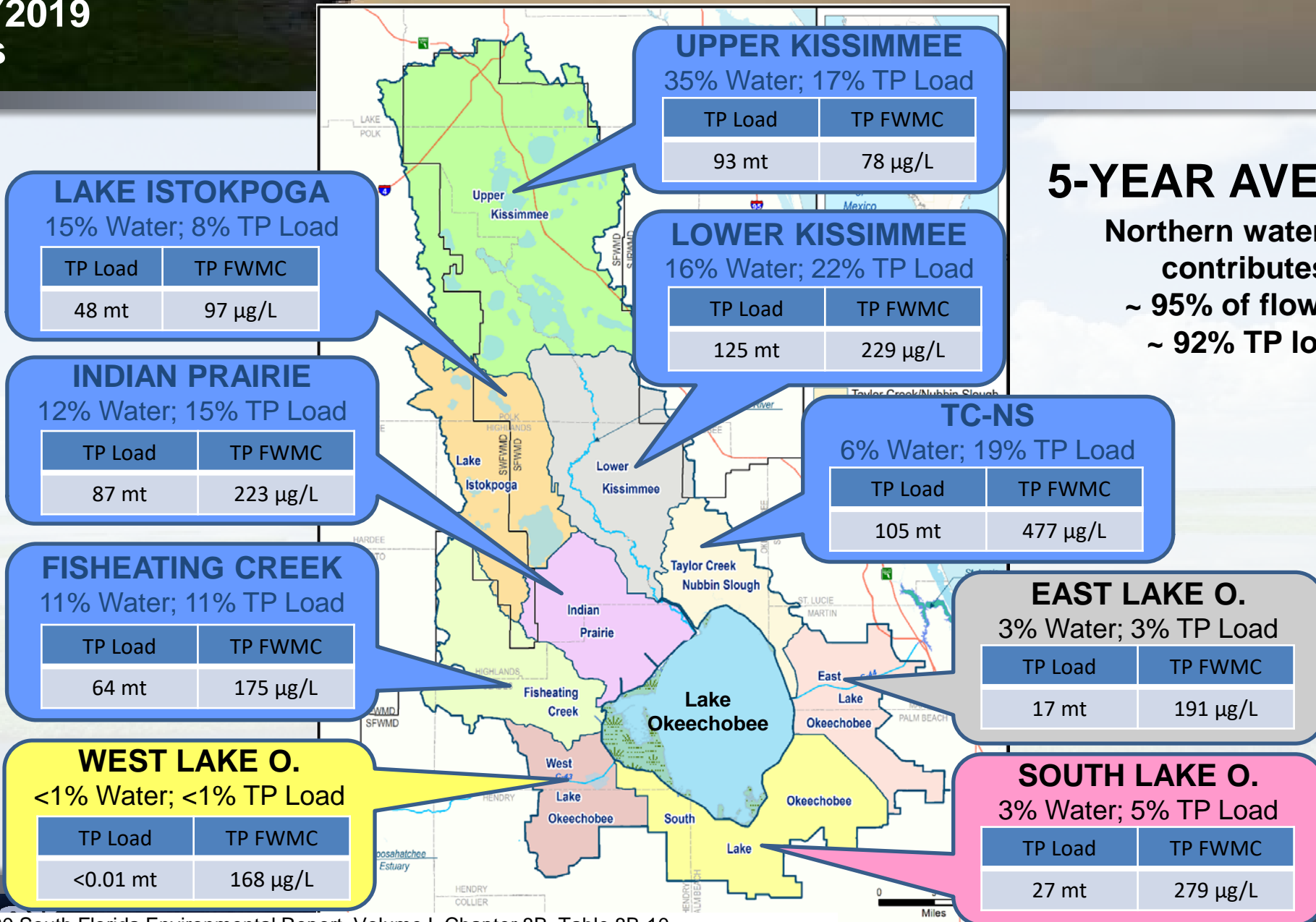


The average weight for a mature adult humpback is 80,000 lbs (~36 t)!

Lake Okeechobee Inflow

WY2015-WY2019

Phosphorus



5-YEAR AVERAGE

Northern watershed contributes:
 ~ 95% of flow and
 ~ 92% TP load

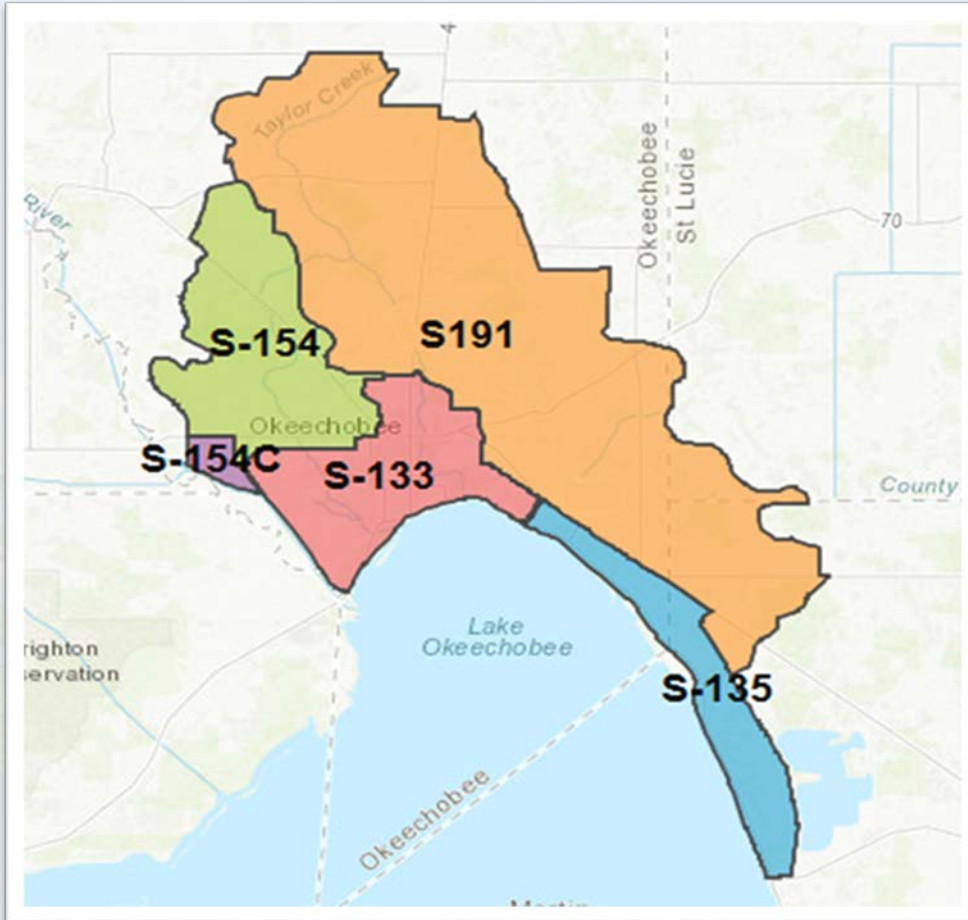
LOW 5-year Average for WY2015-WY2019

Subwatershed	TP UAL (lb/ac)	TP FWMC ($\mu\text{g/L}$)	TP Load (t)	Discharge (ac-ft)	Area (ac)
Taylor Creek/Nubbin Slough	1.17	477	104.7	178,000	197,795
Indian Prairie	0.7	223	87.3	317,000	276,577
Lower Kissimmee	0.64	229	124.7	441,000	429,188
Fisheating Creek	0.44	175	63.6	295,000	318,042
Lake Istokpoga	0.27	97	47.7	400,000	394,203
Upper Kissimmee	0.2	78	93.4	976,000	1,028,421
South Lake Okeechobee	0.16	279	26.8	77,700	363,141
East Lake Okeechobee	0.15	191	16.7	71,100	239,013
West Lake Okeechobee	0	168	0	36	204,094

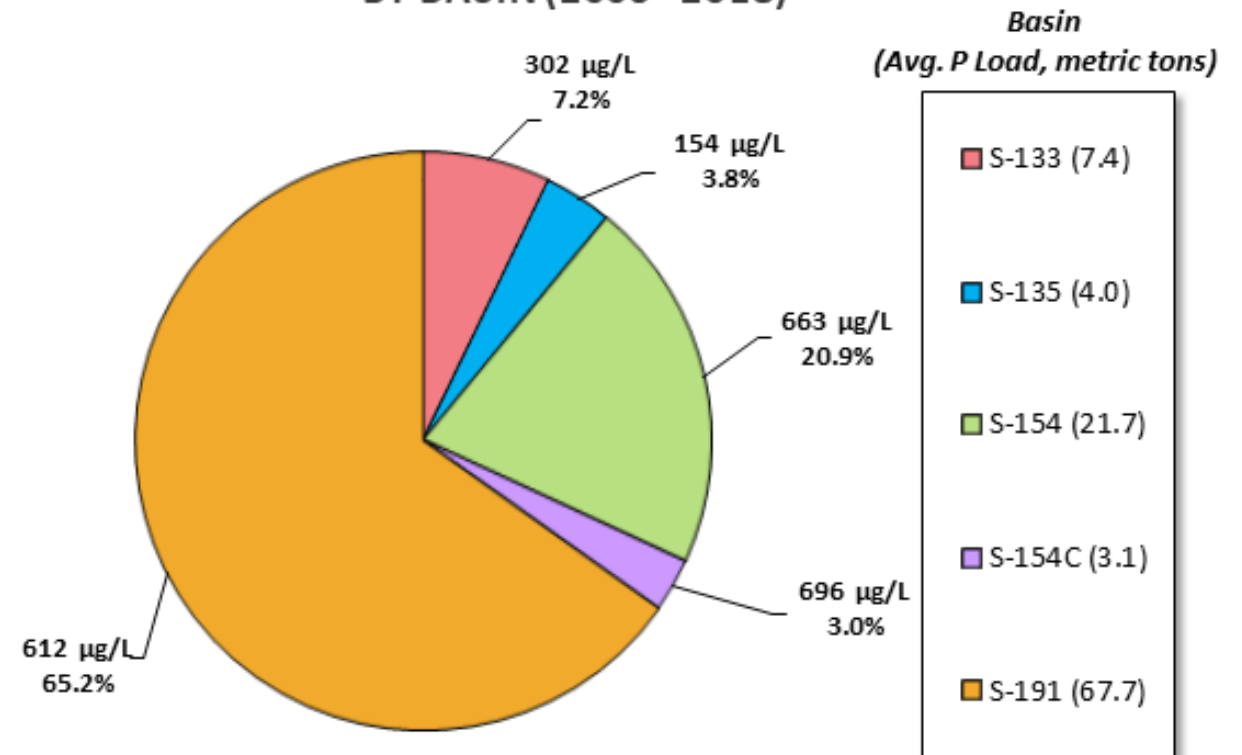
Source 2020 SFER

Taylor Creek Nubbin Slough

Long Term Basin Data



MEAN FWM TP AND PERCENT P LOAD CONTRIBUTION BY BASIN (2005 - 2018)



Taylor Creek/Nubbin Slough Subwatershed Data

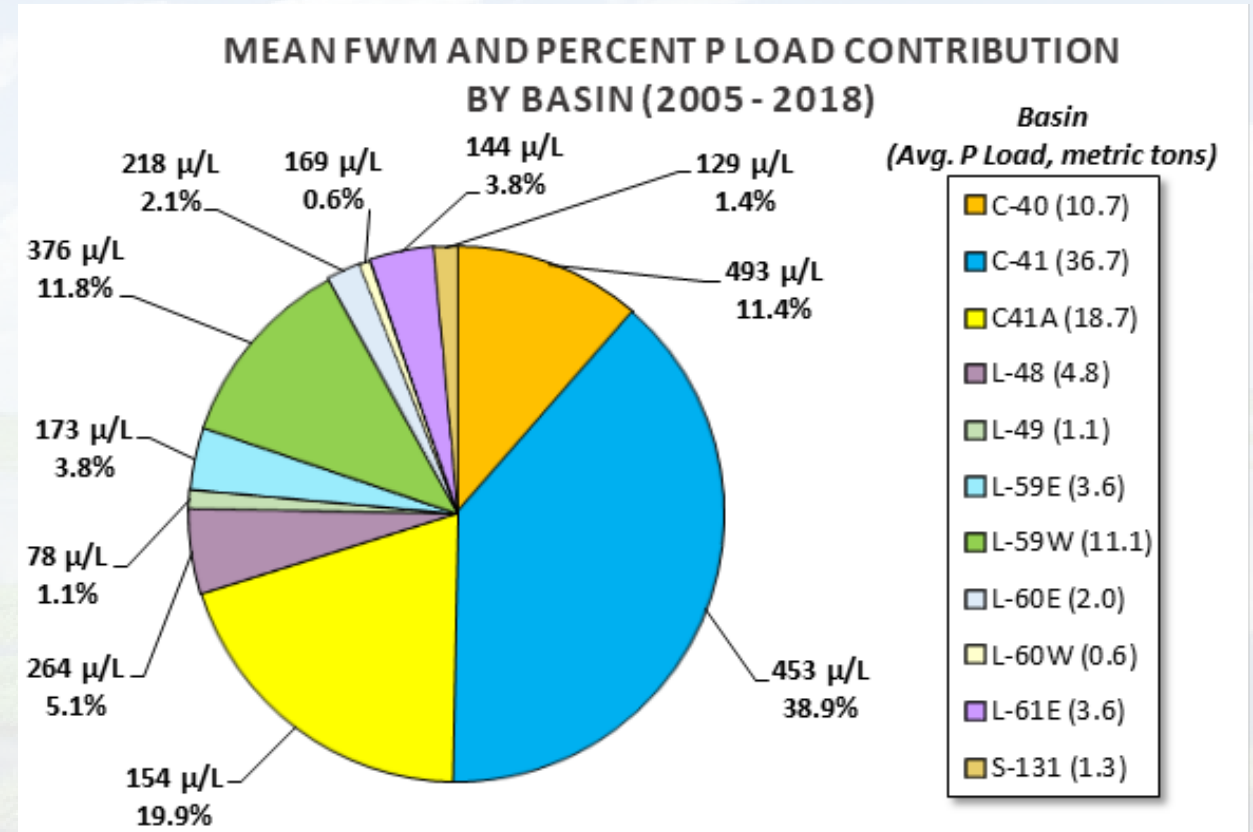
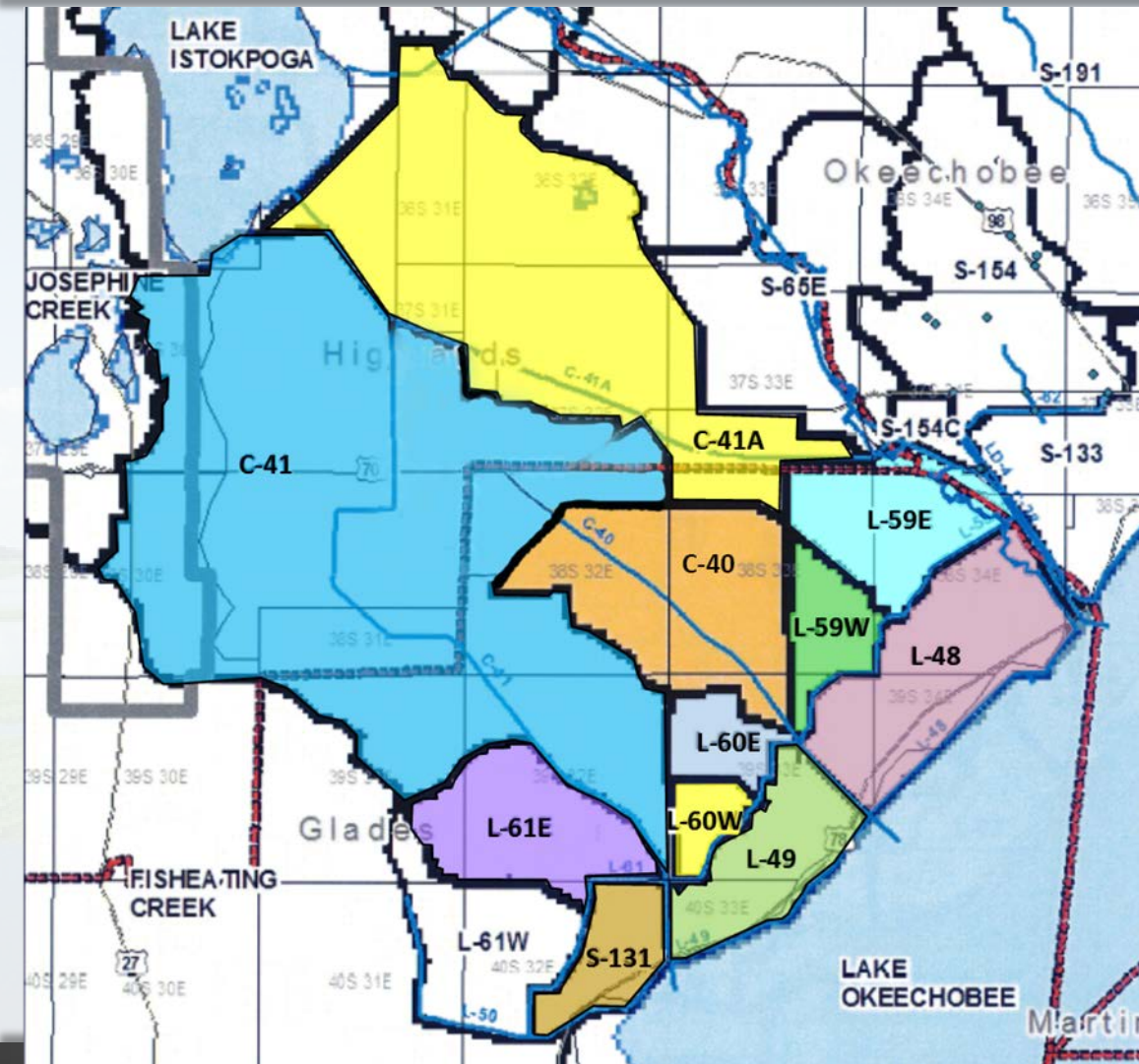
5-year average for WY2015-WY2019

Taylor Creek/Nubbin Slough	TP UAL (lb/ac)	TP FWMC ($\mu\text{g/L}$)	TP Load (t)	Discharge (ac-ft)	Area (ac)
S-154C Basin	2.71	711	2.6	2,990	2,134
S-191 Basin	1.28	627	69.7	90,100	120,464
S-154 Basin	1.22	580	17.6	24,700	31,815
S-133 Basin	0.75	243	8.7	29,000	25,626
S-135 Basin	0.75	157	6.1	31,300	17,756
Subwatershed Total	1.17	477	104.7	178,000	197,795

Source 2020 SFER

Indian Prairie

Long Term Basin Data



Indian Prairie Subwatershed Data

5-year average for
WY2015-WY2019

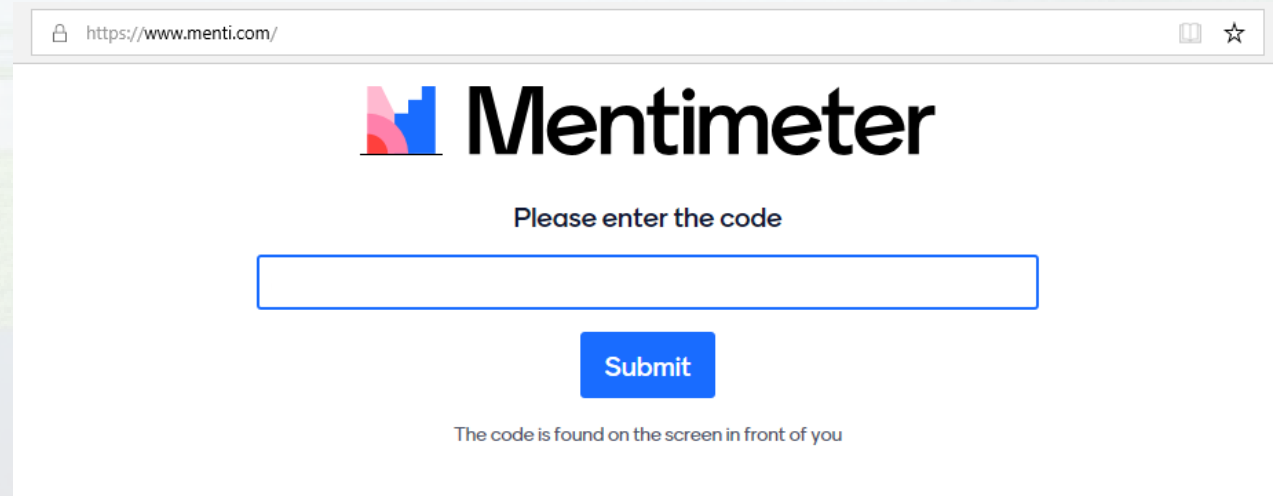
Indian Prairie	TP UAL (lb/ac)	TP FWMC ($\mu\text{g/L}$)	TP Load (t)	Discharge (ac-ft)	Area (ac)
L-59W Basin	3.07	237	9.2	31,400	6,596
C-41A Basin	1.13	160	29.5	150,000	57,748
L-60E Basin	1	192	2.2	9,460	4,944
L-61E Basin	0.7	142	4.6	26,100	14,407
C-40 Basin	0.69	475	7.5	12,800	24,076
C-41 Basin	0.53	488	27.2	45,300	112,880
L-48 Basin	0.41	189	3.9	16,700	20,798
L-60W Basin	0.3	134	0.5	2,860	3,453
S-131 Basin	0.26	99	0.8	6,770	7,122
L-59E Basin	0.2	193	1.2	4,920	12,589
L-49 Basin	0.13	52	0.7	10,700	11,966
Subwatershed Total	0.7	223	87.3	317,000	276,577

Source 2020 SFER

Lake Okeechobee Workshop

Menti.com Instructions

- **Step 1:** Open a new internet browser on your computer or smart phone (such as Internet Explorer, Safari, Google, or Edge). To view all public input leave the Zoom meeting window open. We will be coming back to the Zoom Meeting for Q&A.
- **Step 2:** Type the web address, Menti.com and hit enter.
- **Step 3:** Enter the Menti Code in the box on your screen and click “Submit” – **code will be provided at the July 21, 2020 workshop**



The screenshot shows a web browser window with the URL <https://www.menti.com/>. The page features the Mentimeter logo at the top, followed by the text "Please enter the code". Below this is a large, empty text input field. Underneath the input field is a blue button labeled "Submit". At the bottom of the page, there is a small note: "The code is found on the screen in front of you".