

FPL Turkey Point Uprate Monitoring Project
 June 2015 Quarterly Sampling Event
 SDG: Qtr 2 2015 GW

Parameter	Units	TPGW-L3-18	TPGW-L3-58	TPGW-L5-18	TPGW-L5-58	TPGW-G21-18	TPGW-G21-58	TPGW-G28-18	TPGW-G28-58	TPGW-G35-18	TPGW-G35-58	060815-DUP	060815-FB1	060915-FB1	061015-FB1	
		06/09/2015	06/09/2015	06/10/2015	06/10/2015	06/10/2015	06/10/2015	06/08/2015	06/08/2015	06/08/2015	06/08/2015	06/08/2015	06/08/2015	06/08/2015	06/09/2015	06/10/2015
Temperature	°C	28.07	28.60	28.75	28.09	25.36	25.30	26.91	25.29	27.35	25.09					
pH	SU	7.30	6.87	7.19	6.79	7.15	6.63	8.70	6.81	7.36	7.12					
Dissolved Oxygen	mg/L	0.24	0.28	0.14	0.49	0.27	0.48	0.60	0.35	0.41	0.15					
Specific Conductance	µS/cm	1506	80489	1264	75519	625	17545	1690	40453	599	18624					
Turbidity	NTU	0.69	0.21	0.57	0.14	0.36	0.14	0.22	9.70	0.71	0.58					
Sodium	mg/L	153	16900	119	15600	29.0	2740	232	7570	28.3	3240	3310	0.310	U	0.310	U
Chloride	mg/L	307	31900	235	29400	52.9	6000	399	13900	47.1	5870	5870	0.200	U	0.200	U
Total Dissolved Solids	mg/L	816	51400	654	46100	318	10400	812	22500	292	8500	8200	5.00	U	5.00	U
Salinity	*	0.8	J	56.2	0.6	J	52.2	0.3	J	10.3	0.9	J	25.8	0.3	J	11.0
Tritium	pCi/L (1σ)															

NOTES:

Laboratory results are reported with 3 digits although only the first 2 are significant figures.
 060815-DUP is a duplicate sample of 060815-TPGW-G35-58

* PSS-78 salinity is unitless.

KEY:

°C = Degrees Celsius.

µS/cm = MicroSiemen(s) per centimeter.

σ = sigma (Standard Deviation).

CaCO₃ = Calcium carbonate.

DUP = Duplicate.

FB = Field Blank.

J = Estimated (+/- indicate bias).

mg/L = Milligram(s) per liter.

N = Nitrogen

NH₃ = Ammonia.

NH₄⁺ = Ammonium ion.

NTU = Nephelometric Turbidity Units(s).

pCi/L = PicoCuries per liter.

SU = Standard Unit(s).

TKN = Total Kjeldahl nitrogen.

TN = Total nitrogen.

TPGW = Turkey Point Groundwater.

U = Analyzed for but not detected at the reported value.

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Notes

Laboratory anion and cation results are reported with 3 digits although only the first 2 are significant figures.

* PSS-78 salinity is unitless.

** Schemel, L.E., 2001. Simplified conversions between specific conductance and salinity units for use with data from monitoring stations. Interagency Ecological Program for the San Francisco Estuary Newsletter. 14(1):17-18.

Key

°C = Degrees Celsius.

µmho/cm = Micromho(s) per centimeter.

µS/cm = MicroSiemen(s) per centimeter.

ABS = Absolute value.

CaCO₃ = Calcium carbonate.

Cl = Chloride.

DUP = Duplicate.

FB = Field blank.

mg/L = Milligram(s) per liter.

N.A. = Not applicable.

NH₃ = Ammonia.

NH₄⁺ = Ammonium ion.

NTU = Nephelometric Turbidity Units(s).

pCi/L = PicoCuries per liter.

ppt = Parts per thousand.

PQL = Practical Quantitation Limit.

PSS-78 = Practical Salinity Scale of 1978.

RPD = Relative Percent Difference.

SC = Specific conductance.

SDG = Sample Delivery Group.

SU = Standard Unit(s).

TDS = Total Dissolved Solids.

TKN = Total Kjeldahl nitrogen.

TN = Total nitrogen.

TPGW = Turkey Point Groundwater.

Qualifiers

J = Estimated (+/- indicate bias).