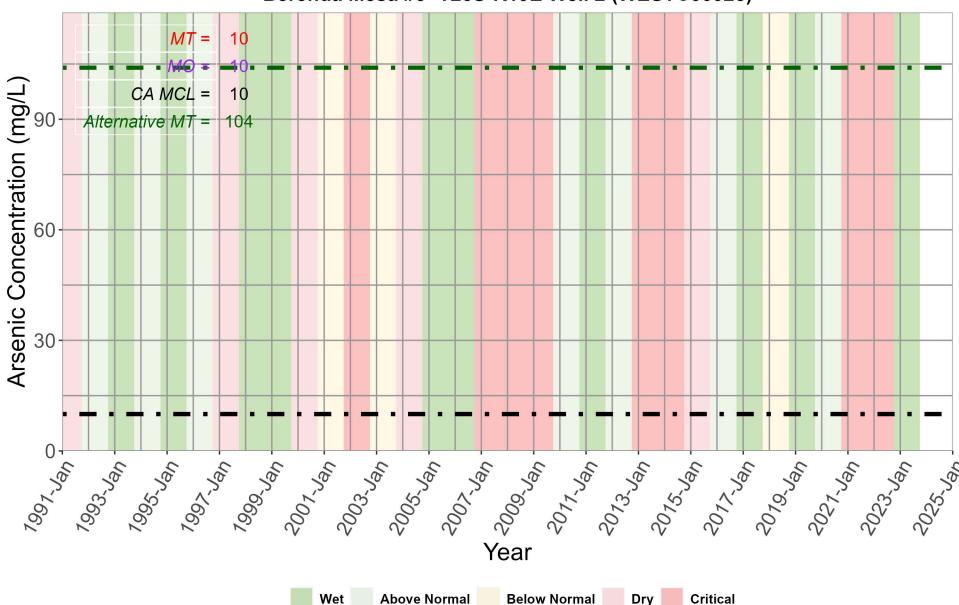
Appendix R

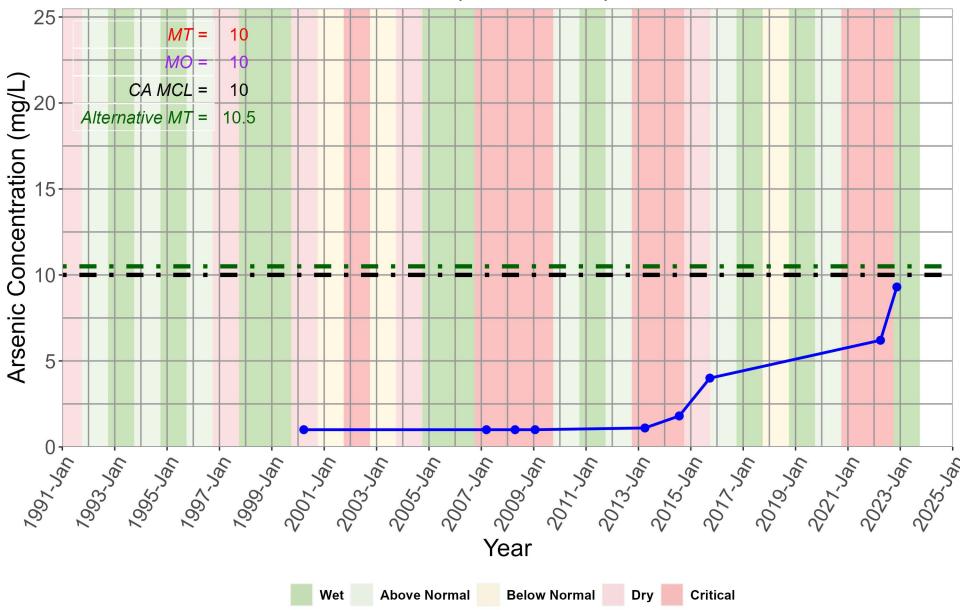
Degraded Water Quality Representative Monitoring Well Chemographs with Sustainable Management Criteria

Set 1.1	Arsenic
Set 1.2	Nitrate
Set 1.3	Nitrite
Set 1.4	1,2,3-Trichloropropane
Set 1.5	Total Dissolved Solids
Set 1.6	Uranium

1.1 Arsenic

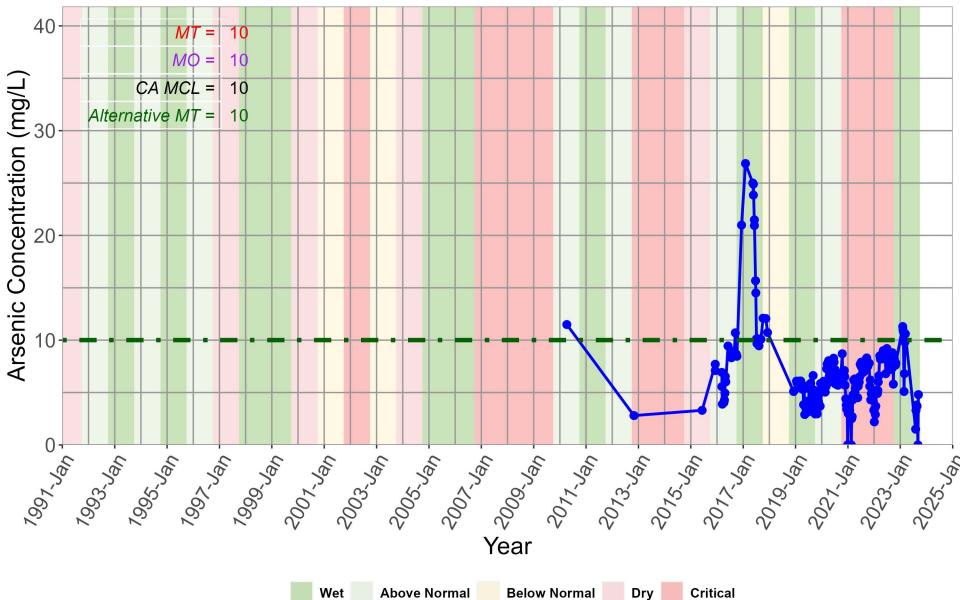


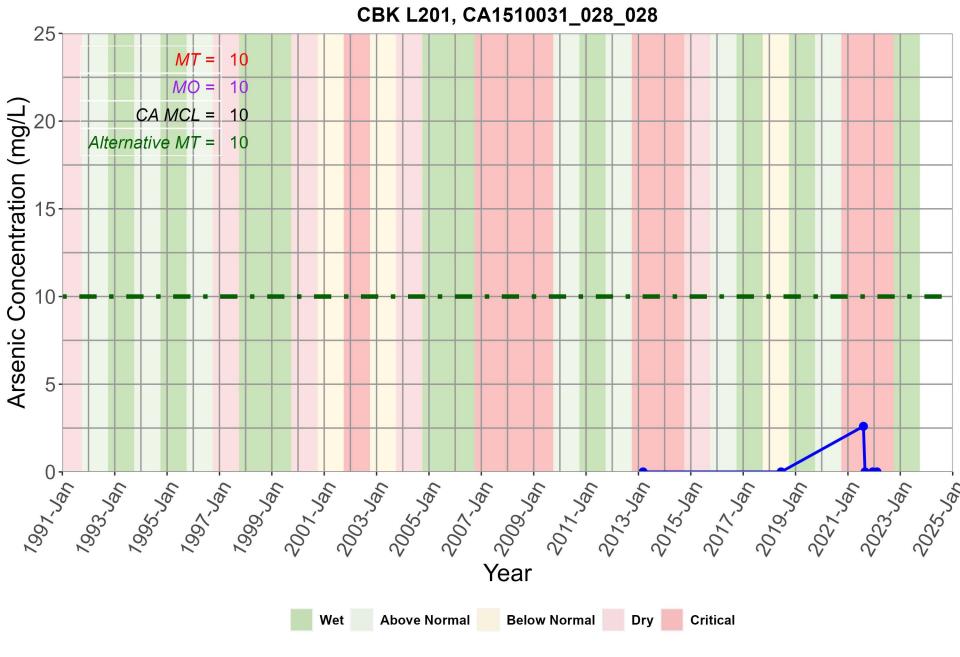
Berenda Mesa #3 -T26S-R19E Well 2 (WESTC00025)

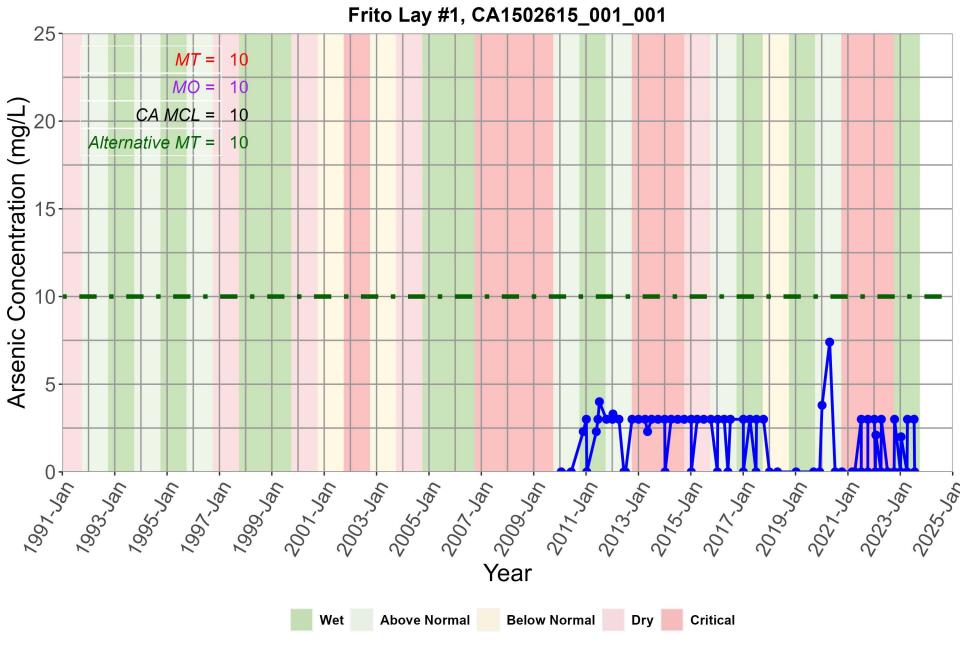


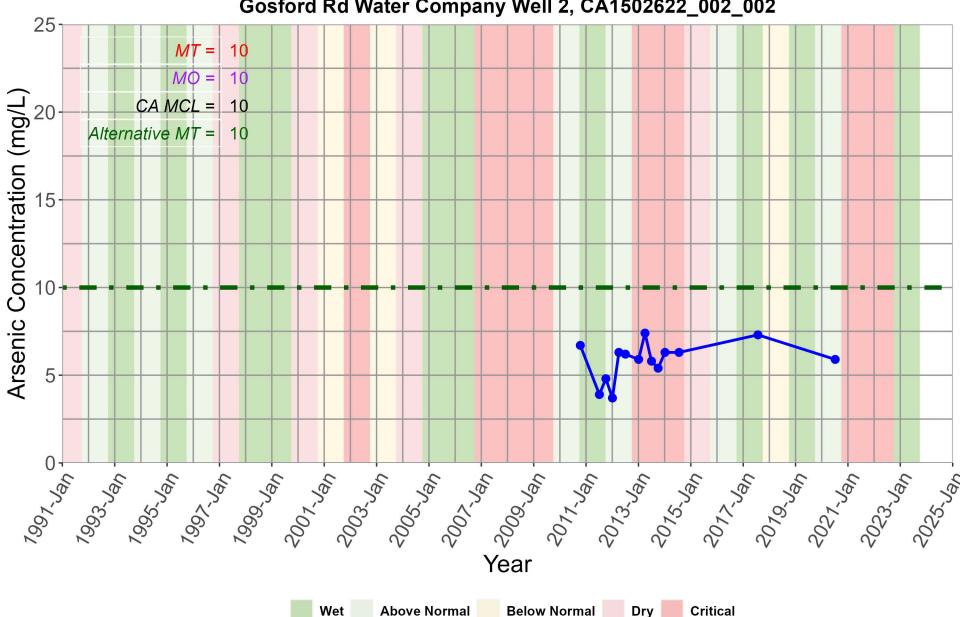
BK 9 (30S-26E-16L01)

CBK 41-01, CA1510031_098_098



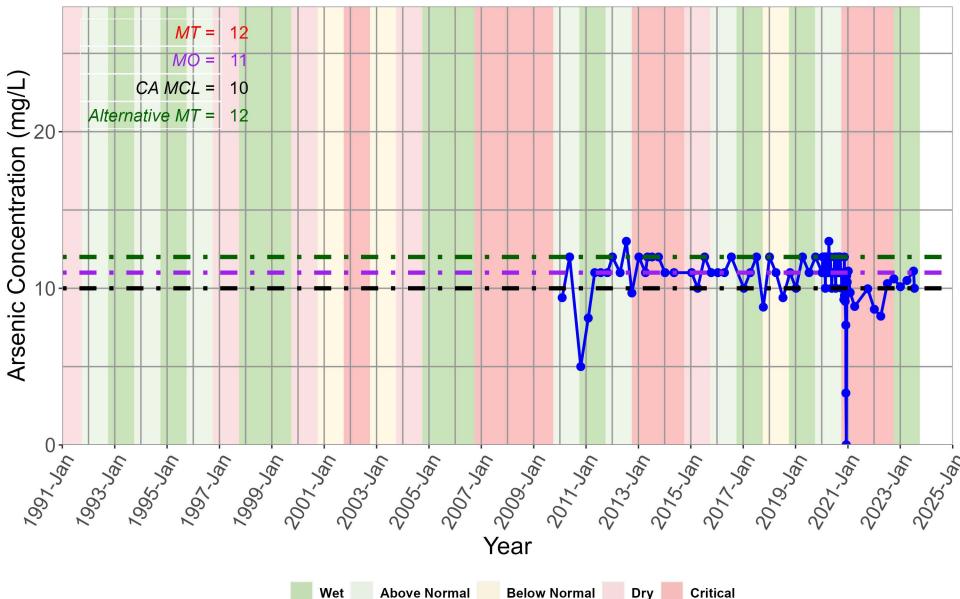


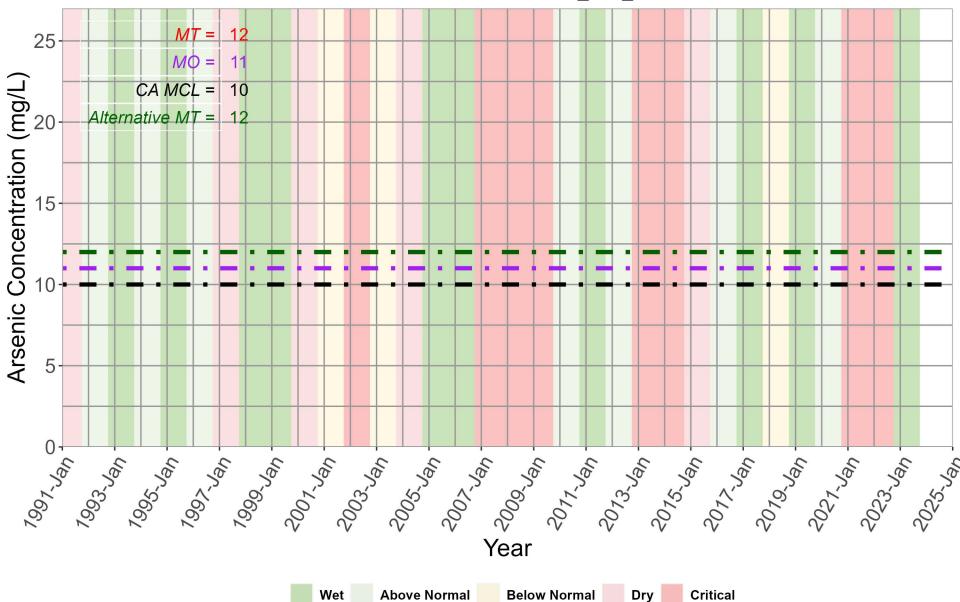




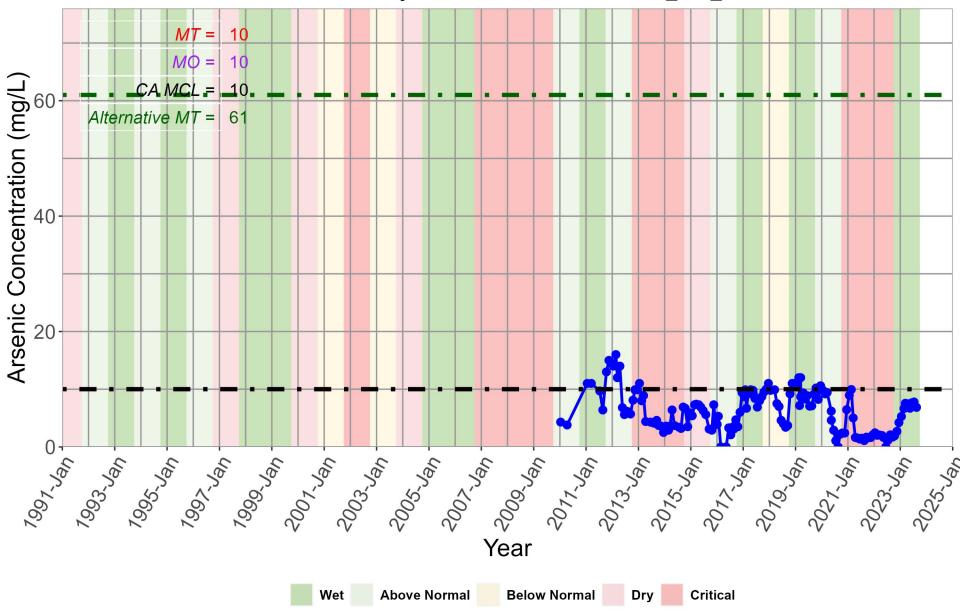
Gosford Rd Water Company Well 2, CA1502622_002_002

Greenfield Taft Well, CA1510024_004_004



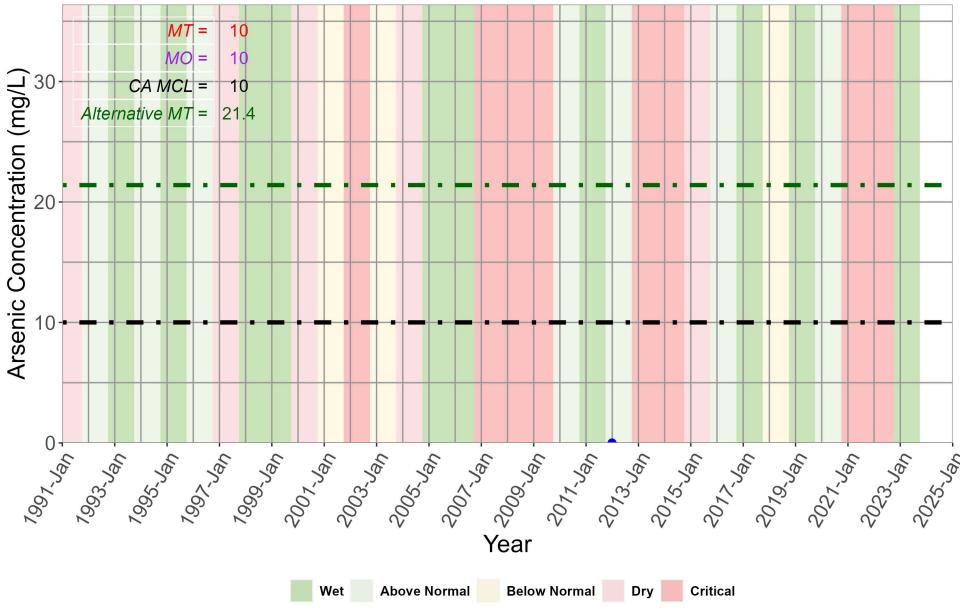


Lamont #12, CA1510012_006_006

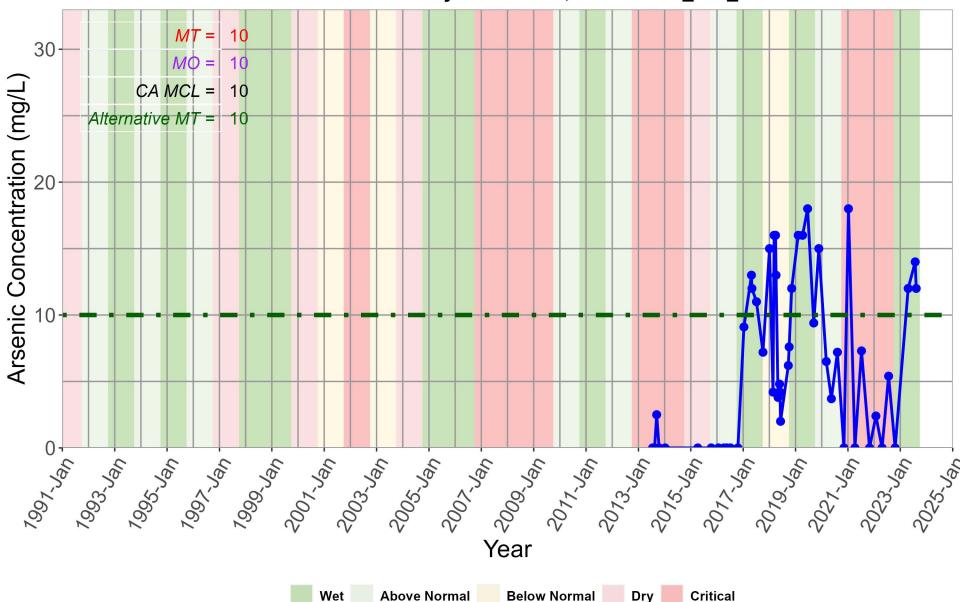


Lost Hills Utility District Well 3, CA1510046_006_006

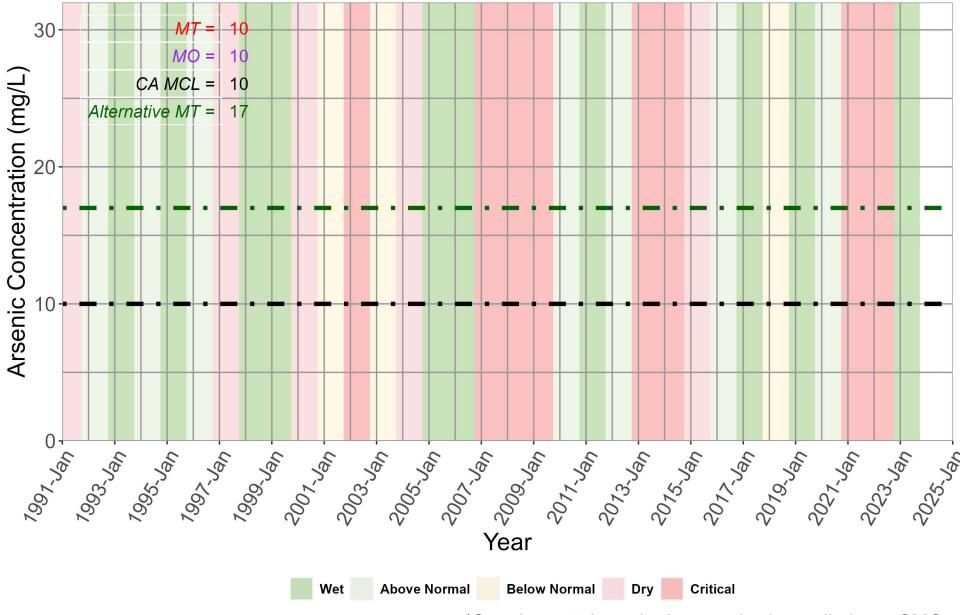
Murray Family Farms Well 2, AGC100012326-KRWCA00025, CA1503565_002_002



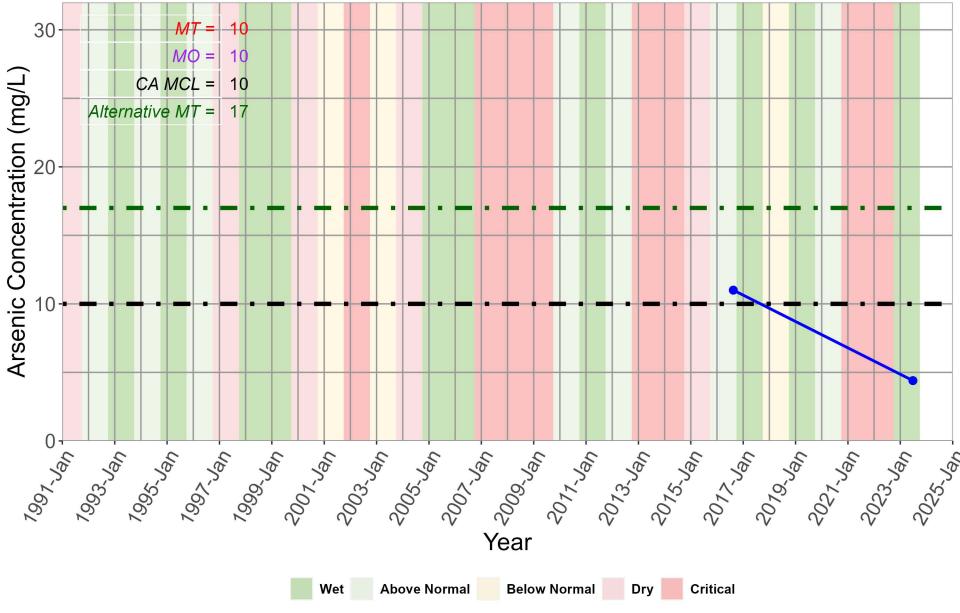
Primex Farm Water System Well 4, CA1503521_004_004



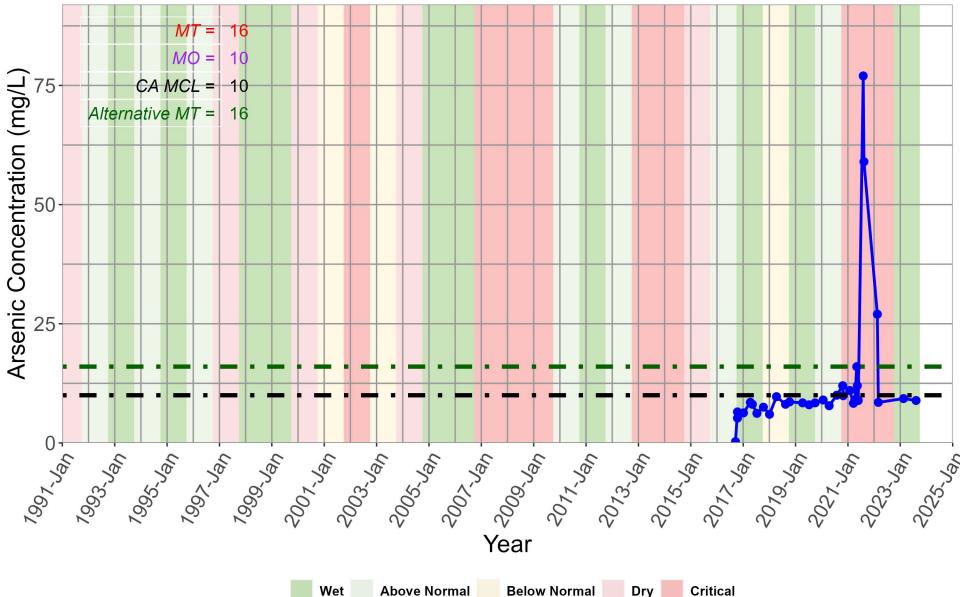
RMW-001 (29S29E33N001M)

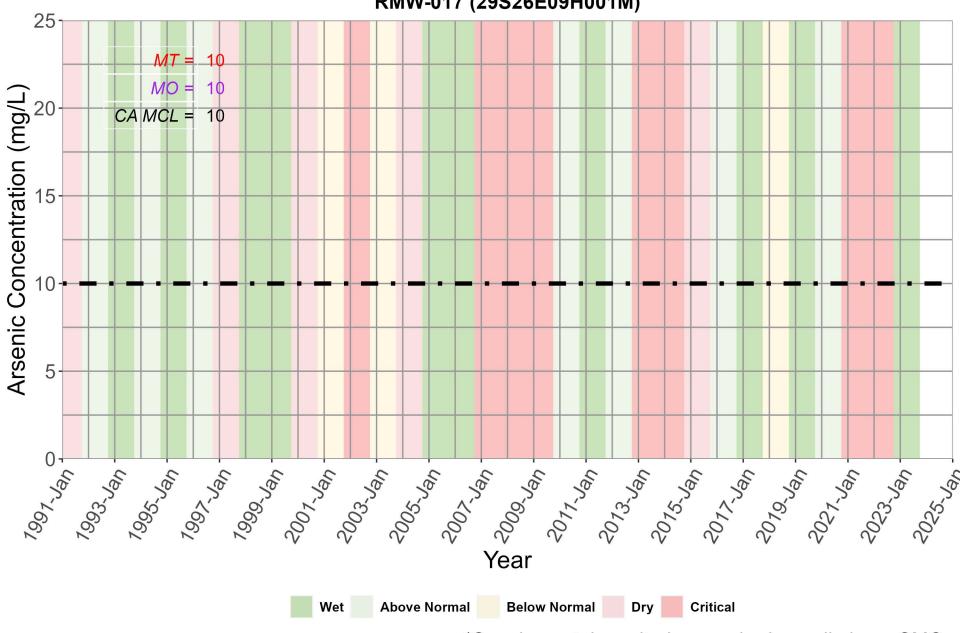


RMW-004 (30S29E29A001M)



RMW-010 (ACSD Well #14), CA1510001_022_022





^{*}Supplemental monitoring required – preliminary SMCs

RMW-017 (29S26E09H001M)

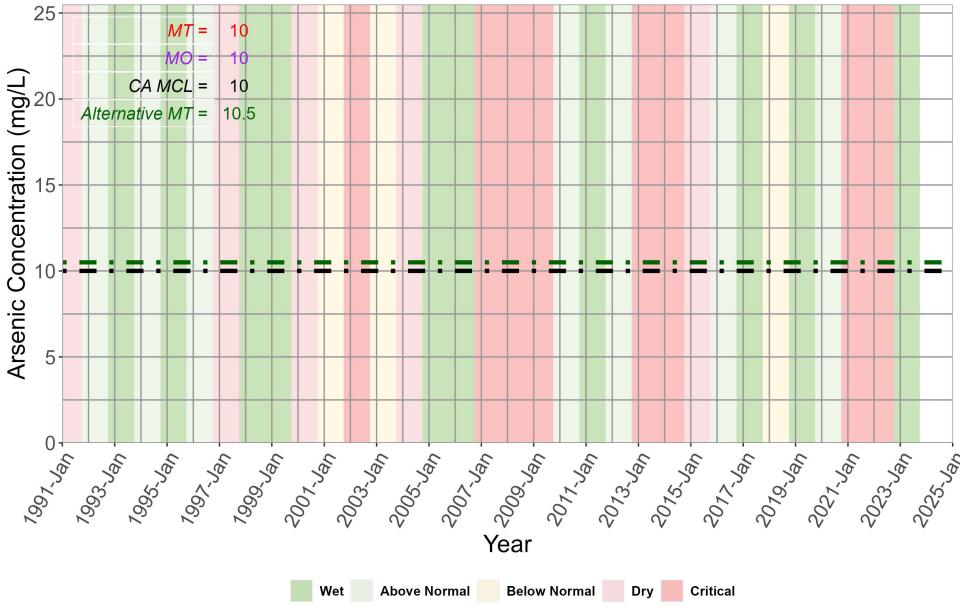
25 MT =10 MO 10 CA MCL = 10 Alternative MT = 10.5 15-10 -5 ¹⁹97. Lan ¹⁹97. Lan ¹⁹95. Lan ¹⁹95. Lan ¹⁹95. Lan ²⁹00. Lan ²⁰01. Lan ²⁰01. Lan ²⁰01. Lan ²⁰03. Lan ²⁰23. Lan ² Year

Wet Above Normal Below Normal Dry Critical

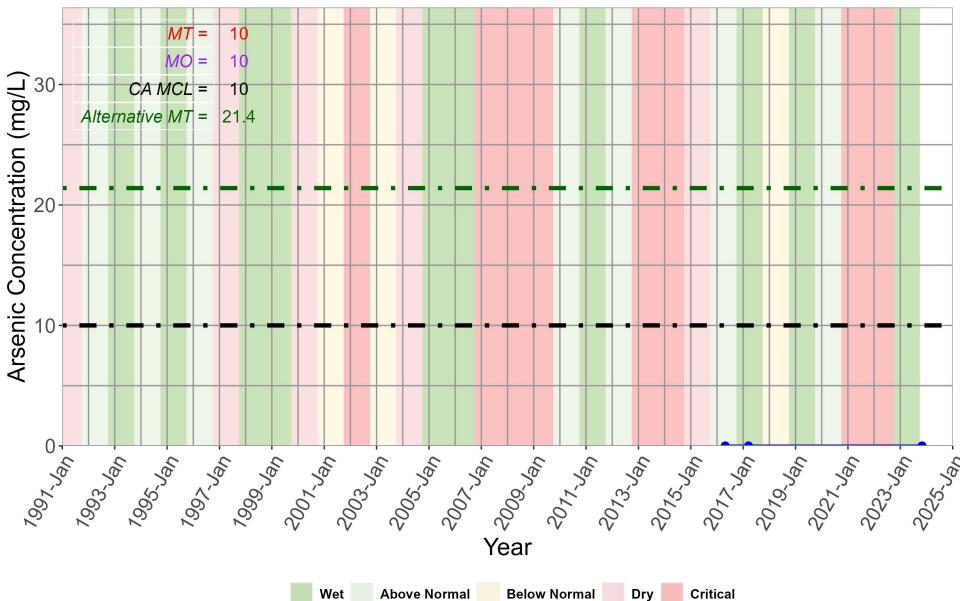
*Supplemental monitoring required – preliminary SMCs

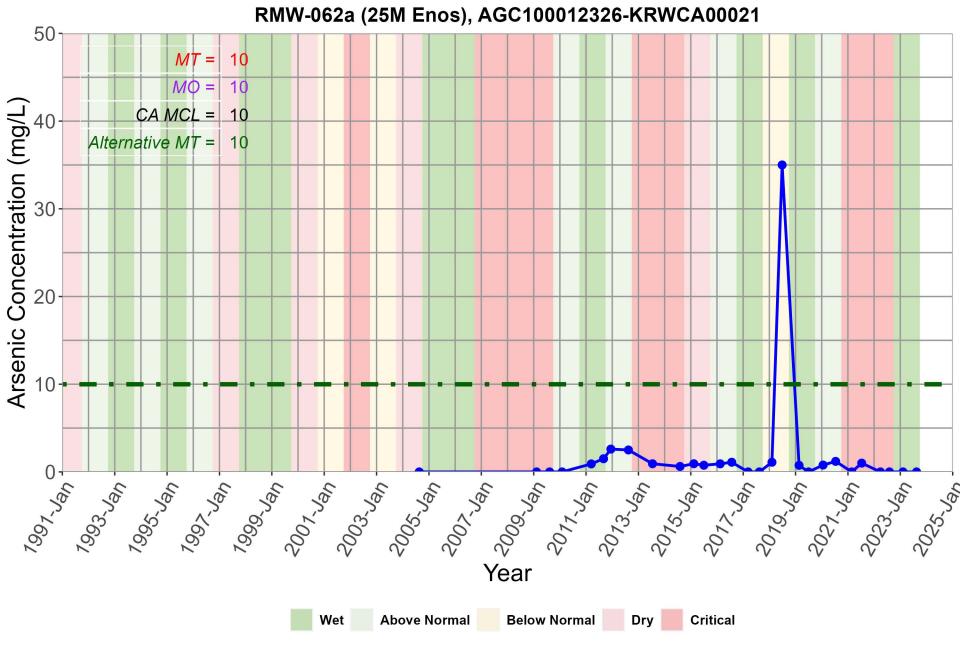
RMW-021

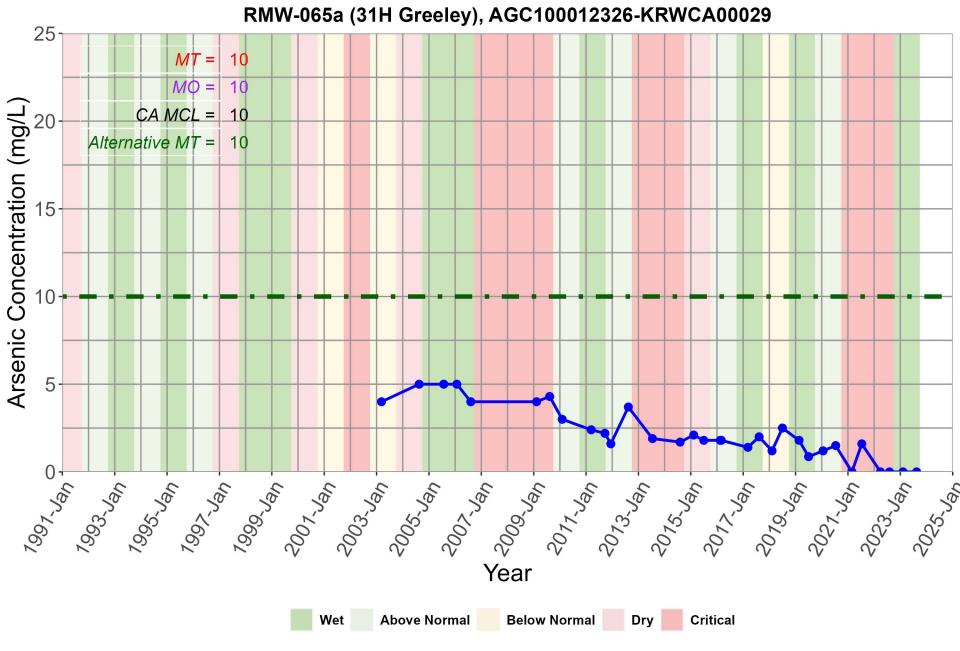
RMW-025 (30S/27E-05D001) (ID4) - CBK-23 for WQ, RMW-025 for WL

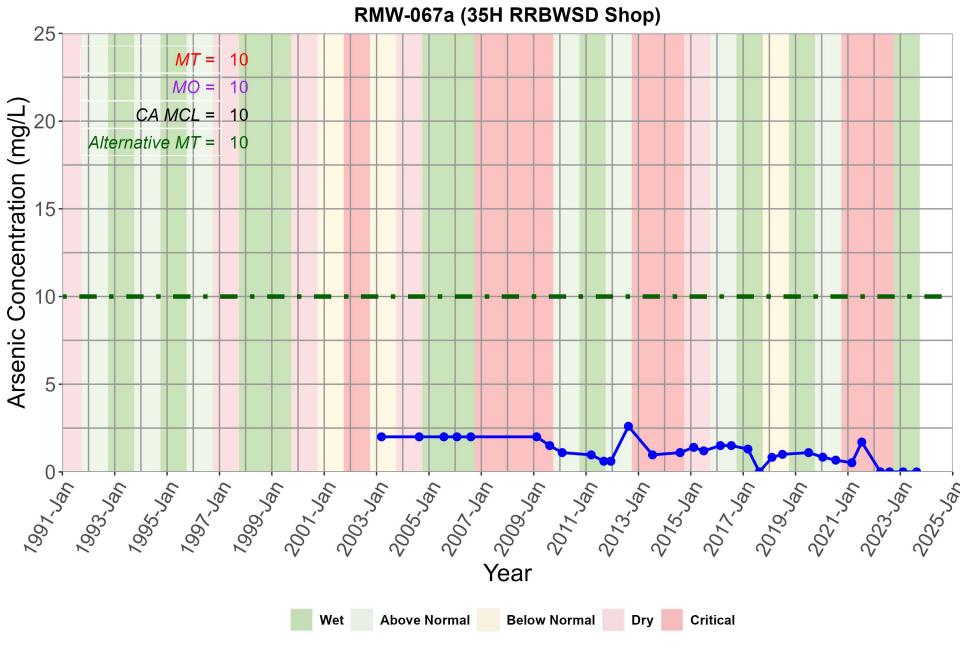


RMW-043 (Olcese #4)

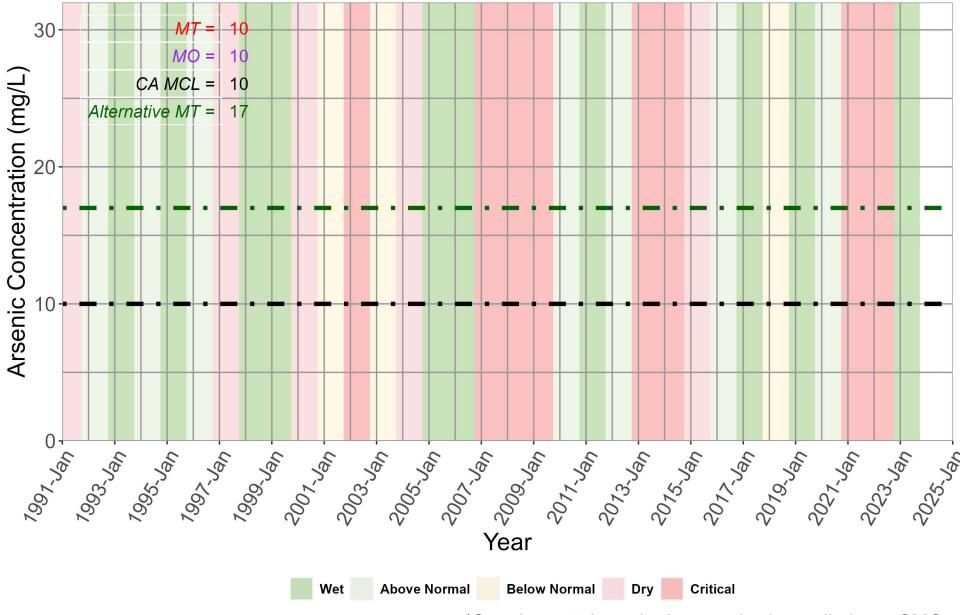






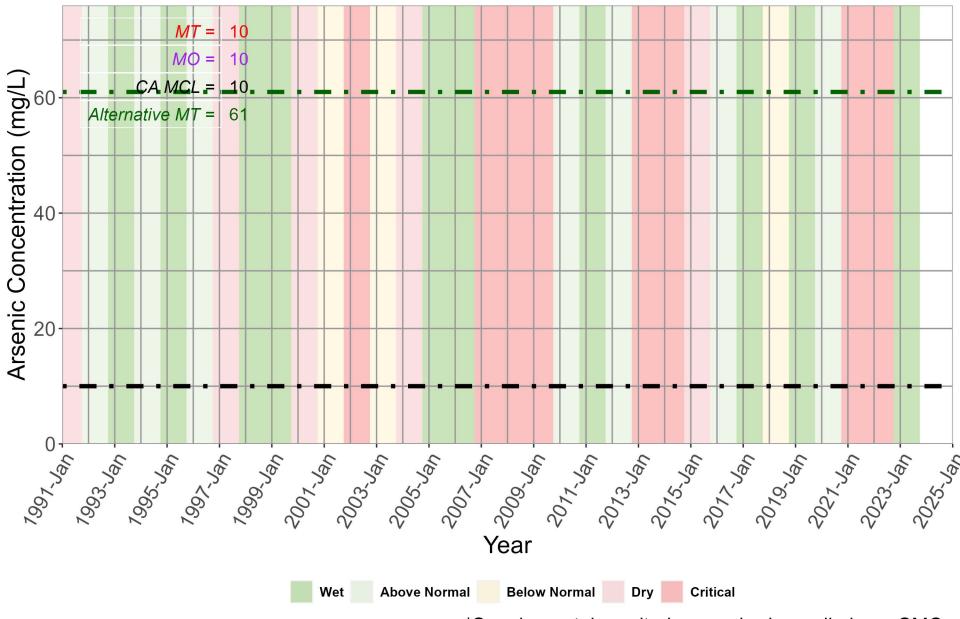


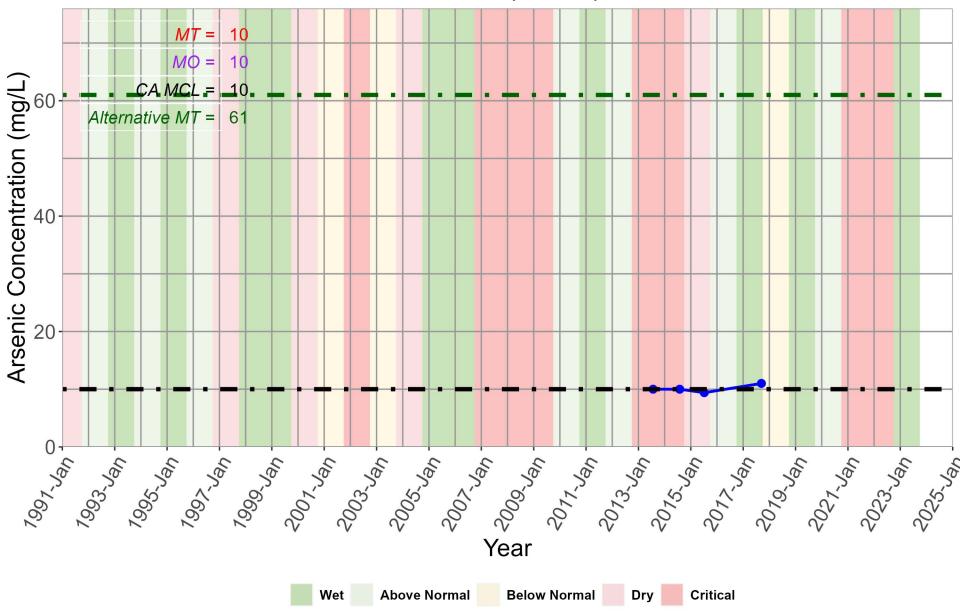
RMW-070, Caratan Well



^{*}Supplemental monitoring required – preliminary SMCs

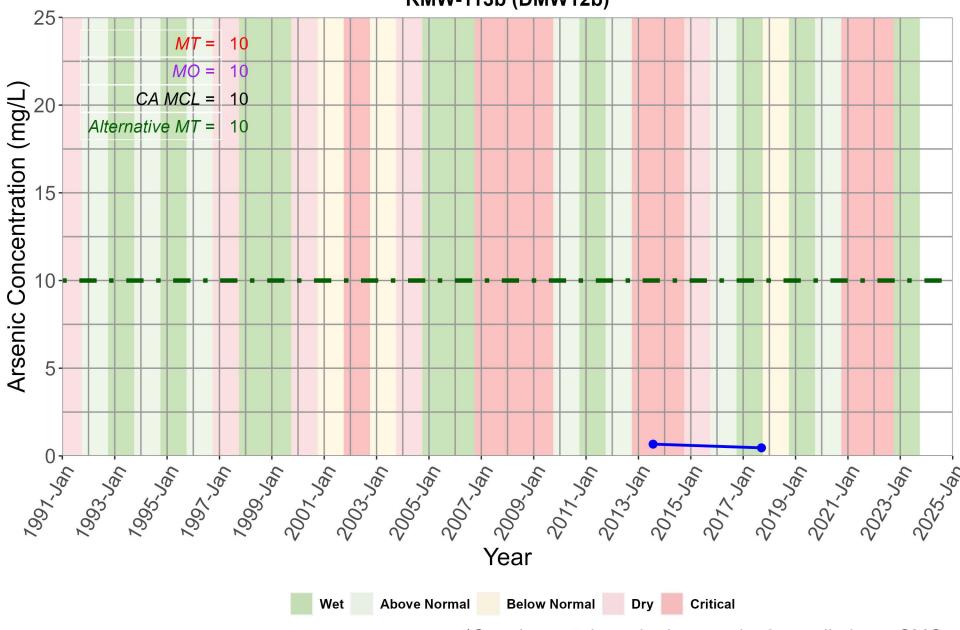
RMW-107 (28S22E10D002M), AGC100012323-BVCWD00002





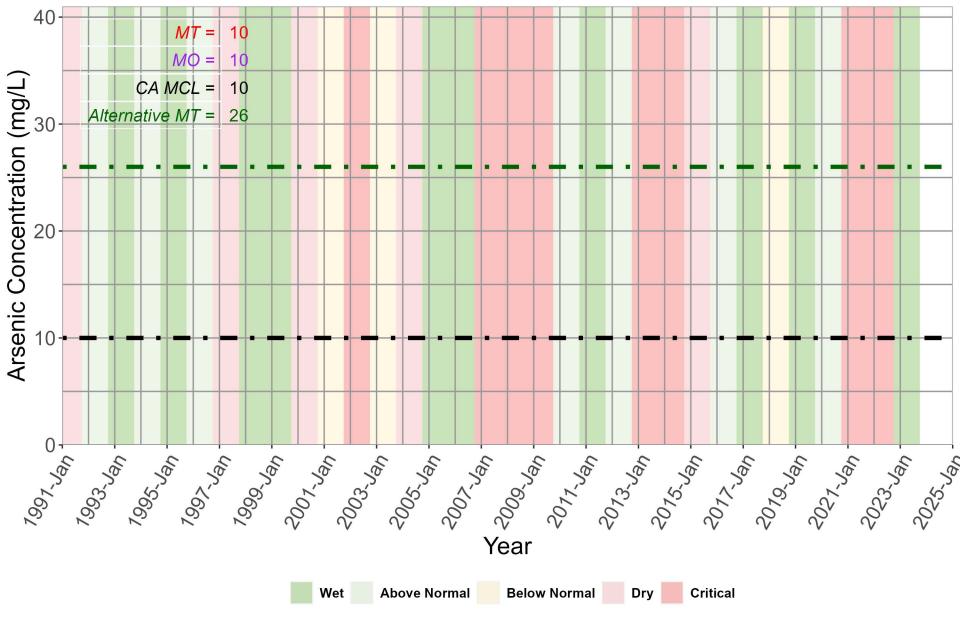
^{*}Supplemental monitoring required – preliminary SMCs

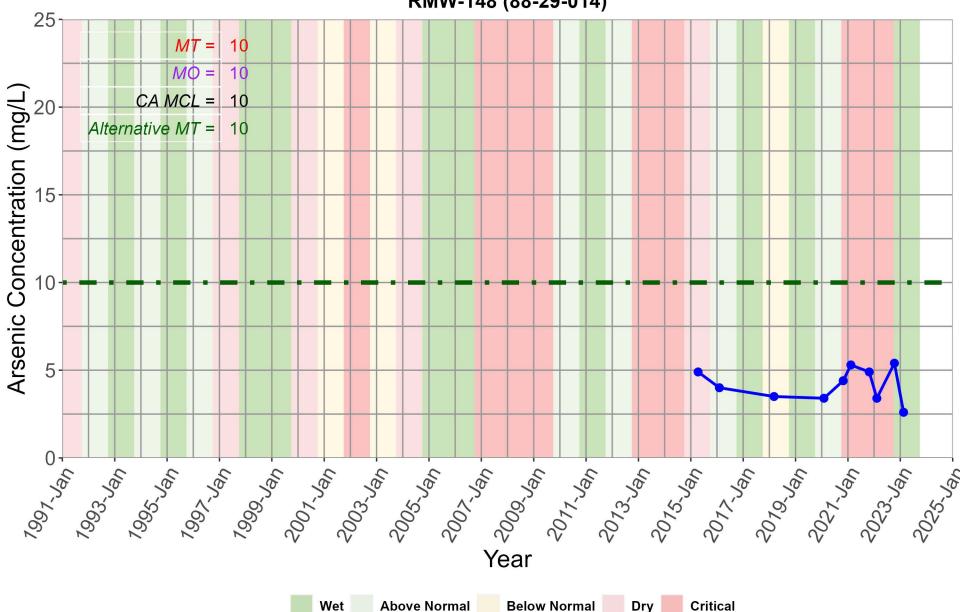
RMW-110 (DMW 07)



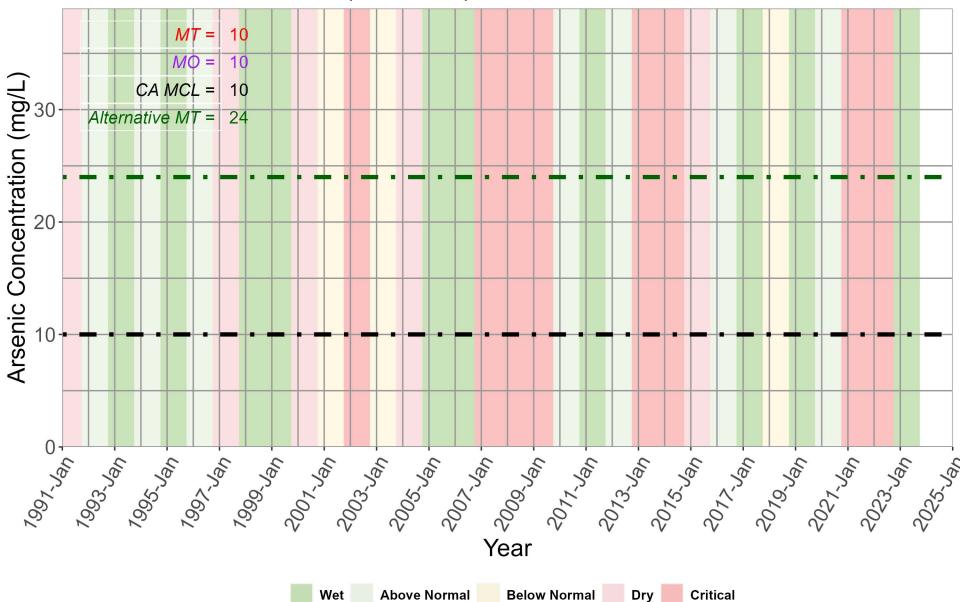
RMW-113b (DMW12b)

RMW-115 (HMWD #28), AGC100012326-KRWCA00026

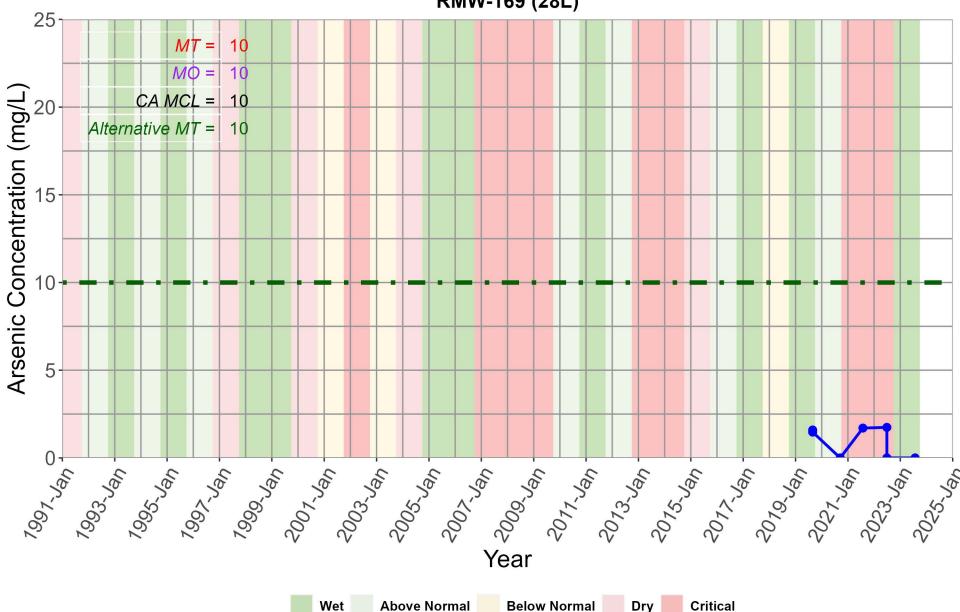




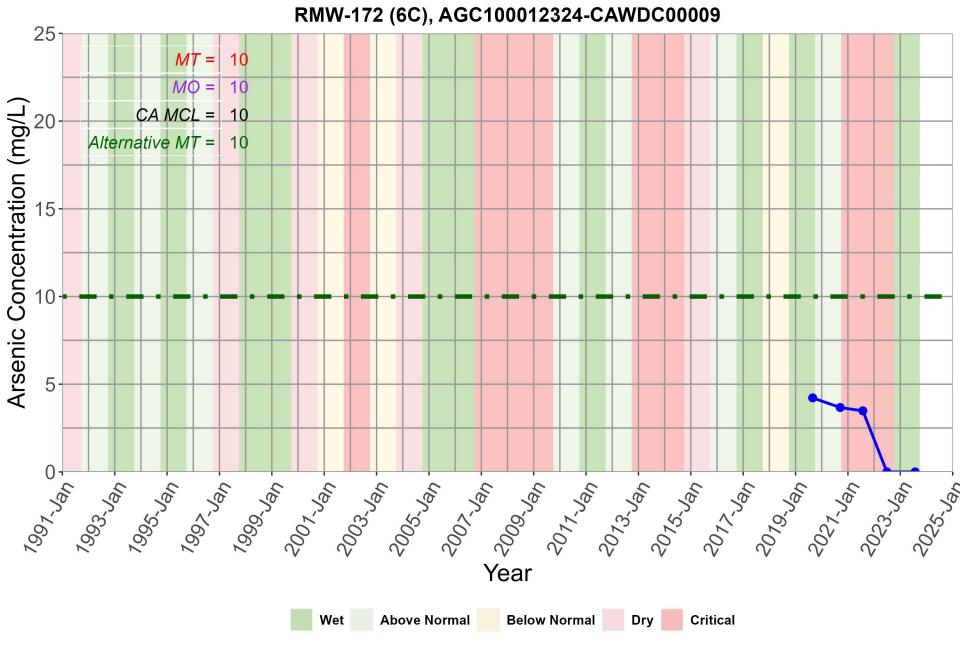
RMW-148 (88-29-014)

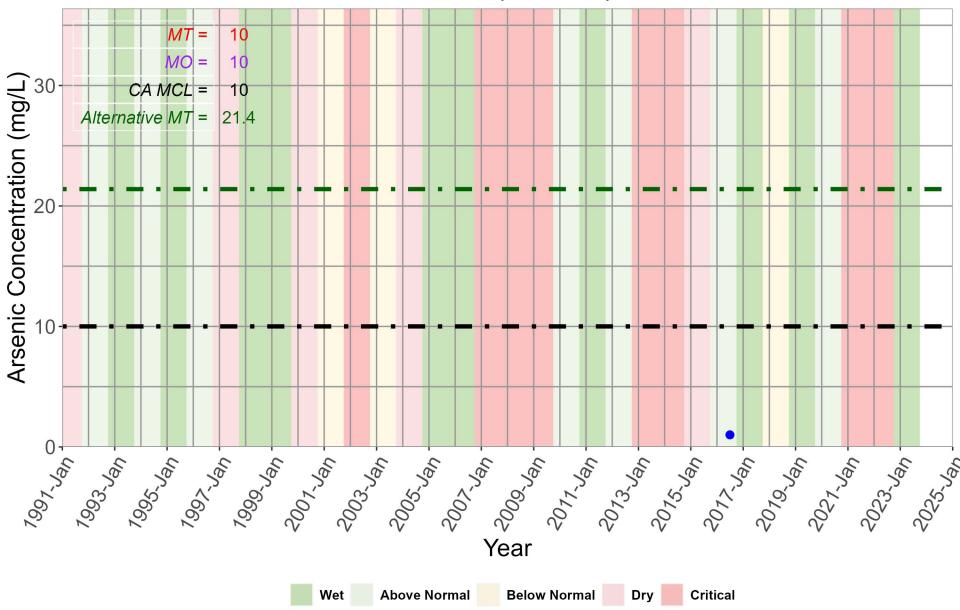


RMW-159 (SSJMUD 23), AGC100012326-KRWCA00030



RMW-169 (28L)





RMW-185 (EWMA #21)

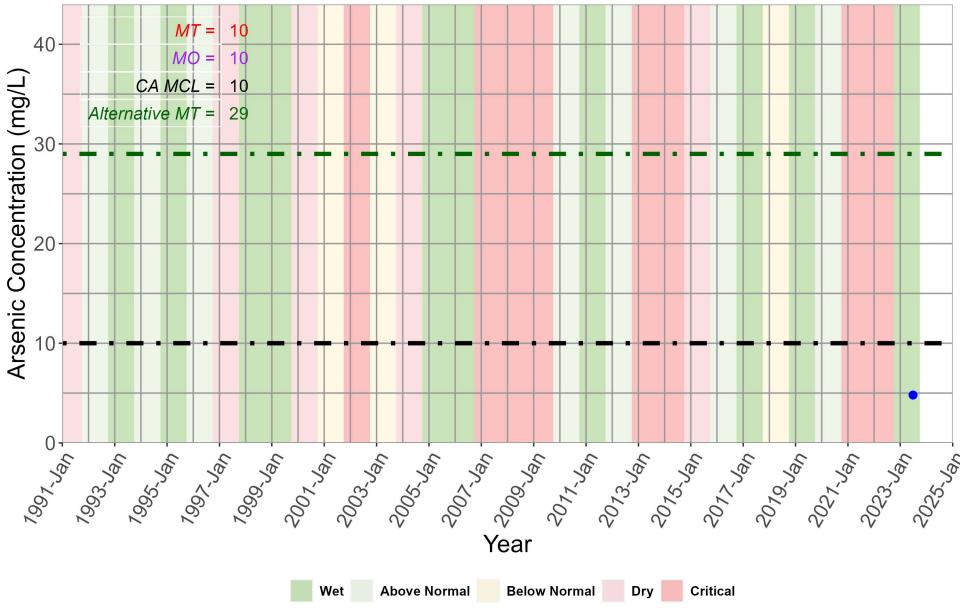
25 MT =10 MO 10 CA MCL = 10 Alternative MT = 10.5 15-10-5 Year

Wet Above Normal Below Normal Dry Critical

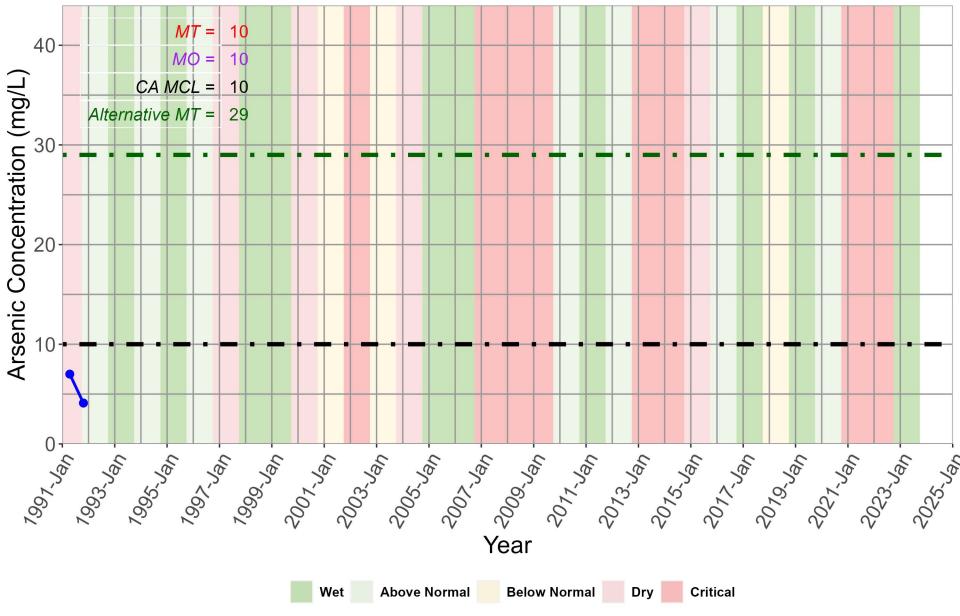
*Supplemental monitoring required – preliminary SMCs

RMW-211 (CWS)

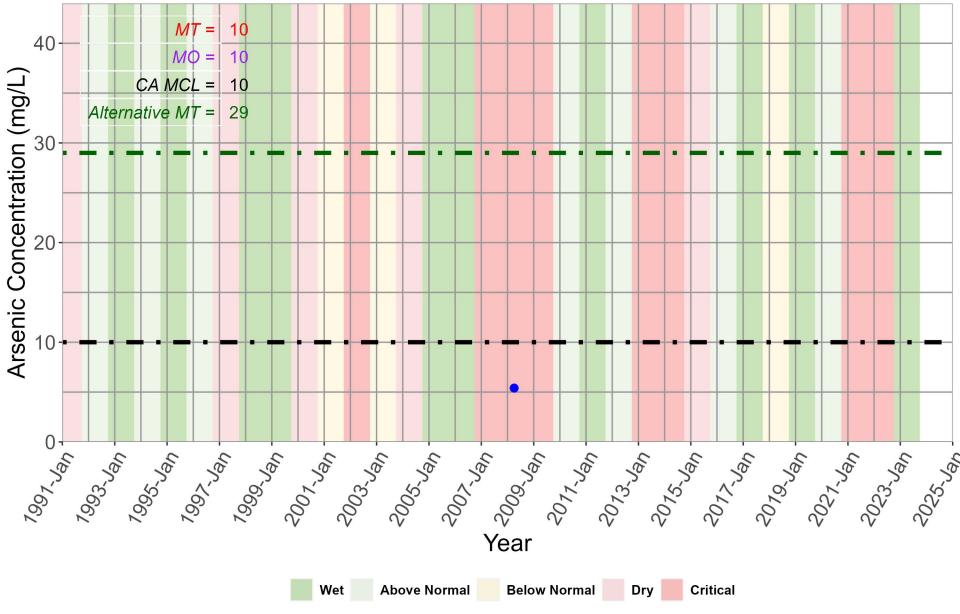
RMW-224 (31S29E10K001M)



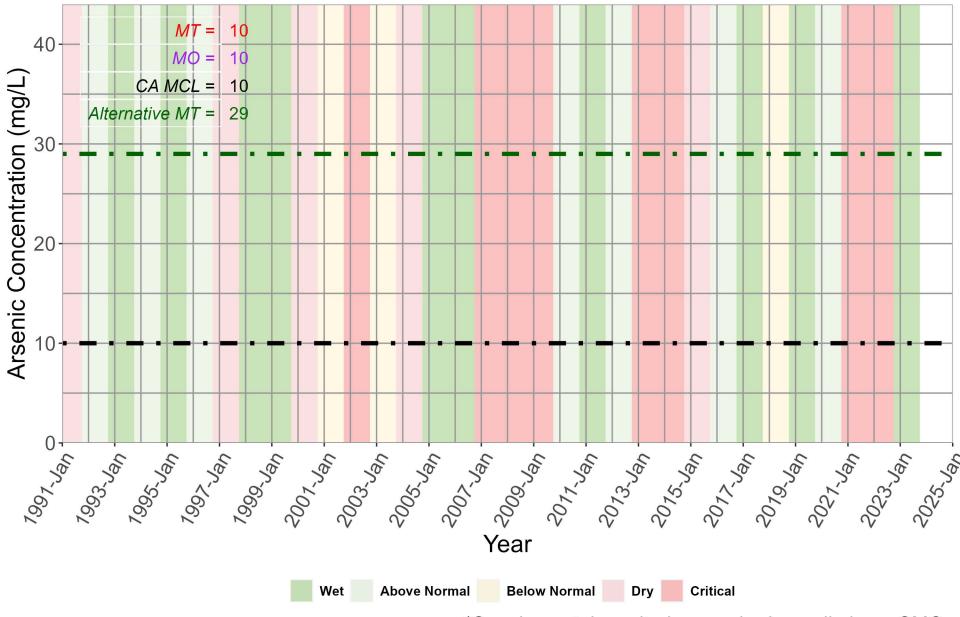
RMW-235R (12N21W34N001S)

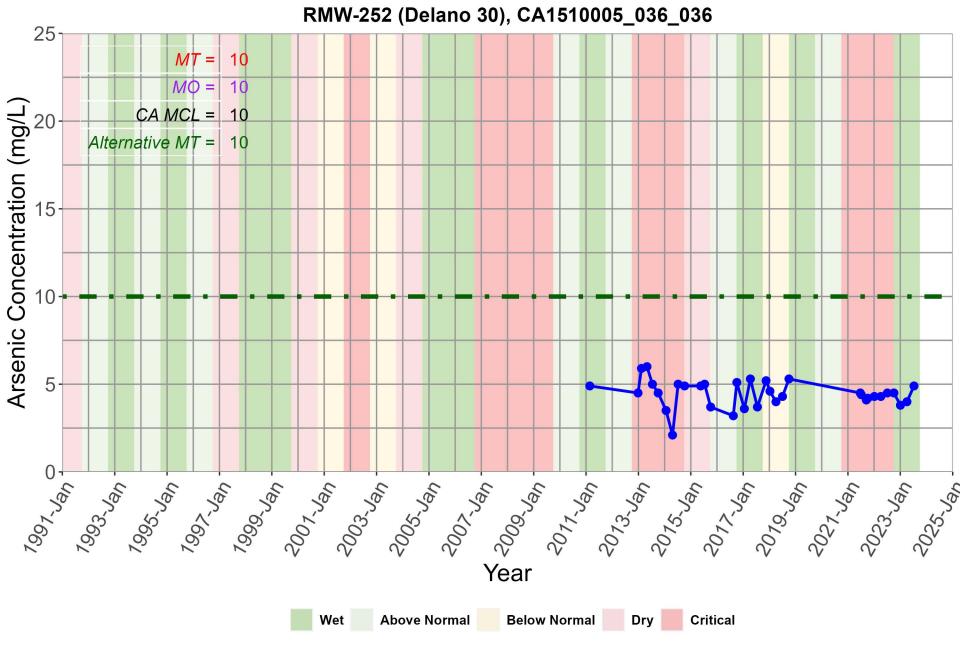


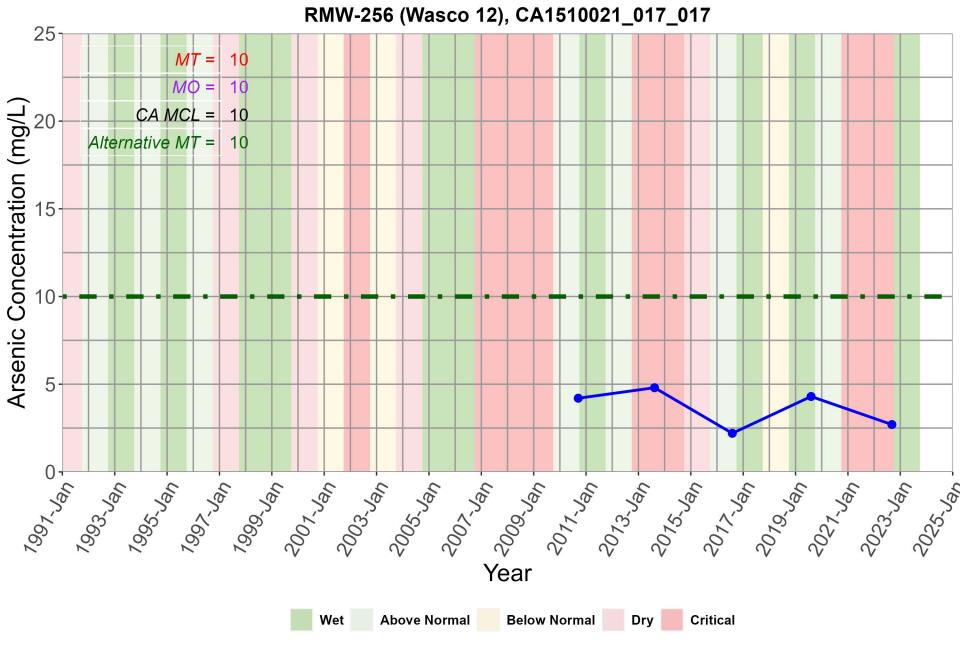
RMW-239 (32S25E29Q001M)

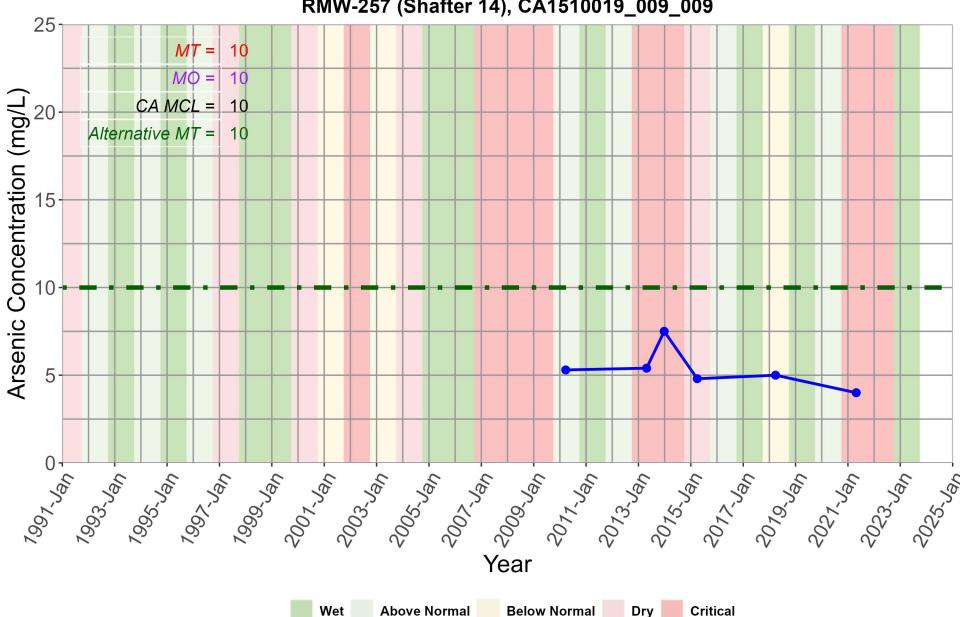


RMW-240

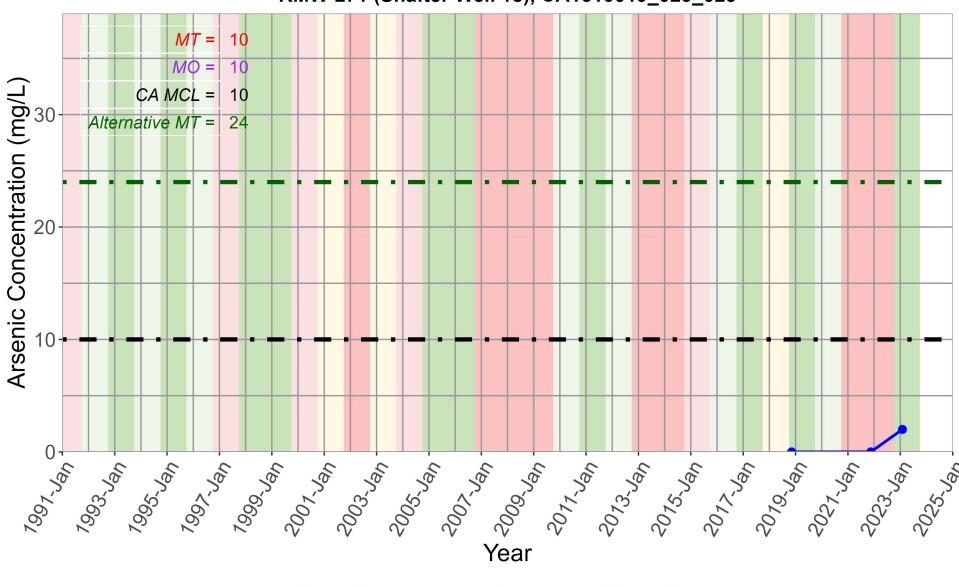








RMW-257 (Shafter 14), CA1510019_009_009



Above Normal Below Normal

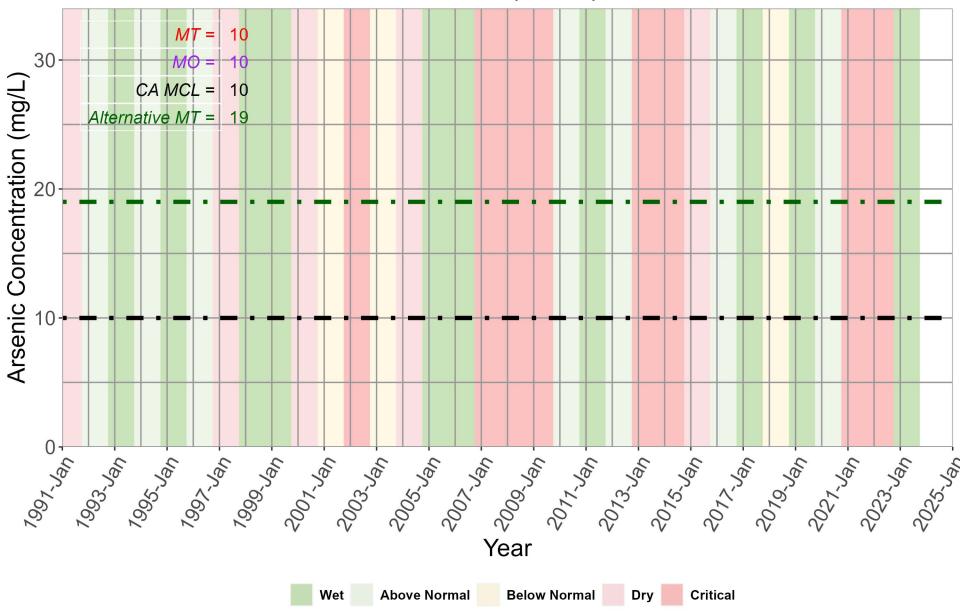
Wet

RMW-271 (Shafter Well 18), CA1510019_023_023

*Supplemental monitoring required – preliminary SMCs

Critical

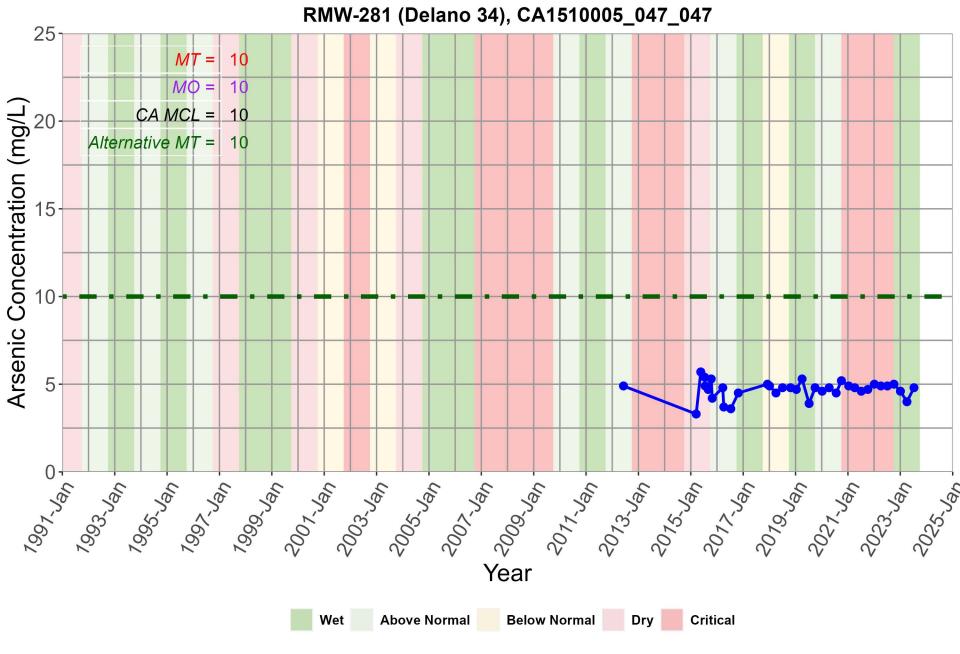
Dry



RMW-275 (7108-66)

MT =10 10 MO =Arsenic Concentration (mg/L) CA MCL = 10 Alternative MT = 21.4 • ¹⁹91, ush ¹⁹91, ush ¹⁹92, ush ¹⁹92, ush ²⁹03, ush ²⁰03, ush ²⁰03, ush ²⁰03, ush ²⁰03, ush ²⁰13, ush ²⁰13, ush ²⁰13, ush ²⁰2, ush Year Above Normal Below Normal Dry Critical Wet

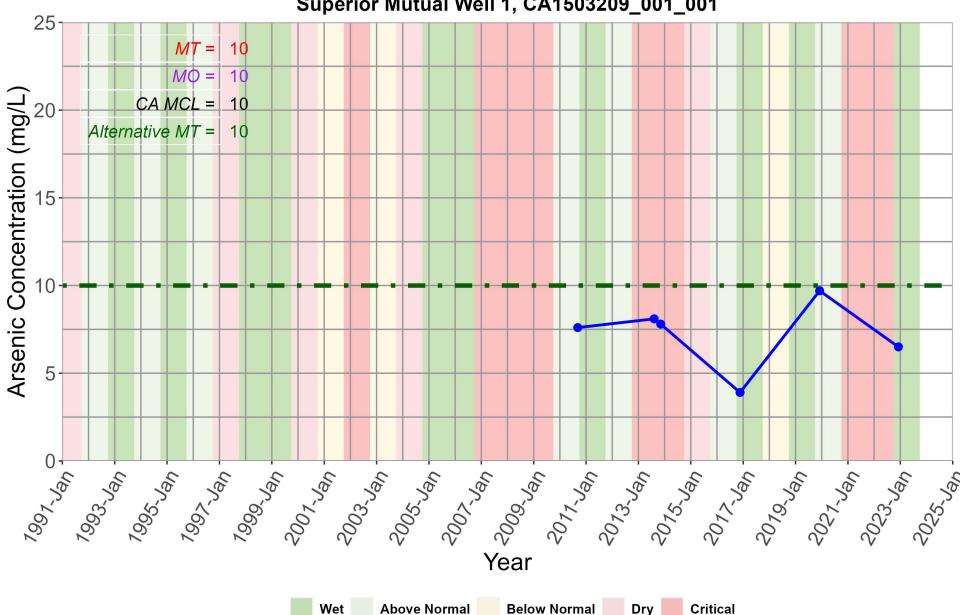
RMW-278 (EWMA #23)



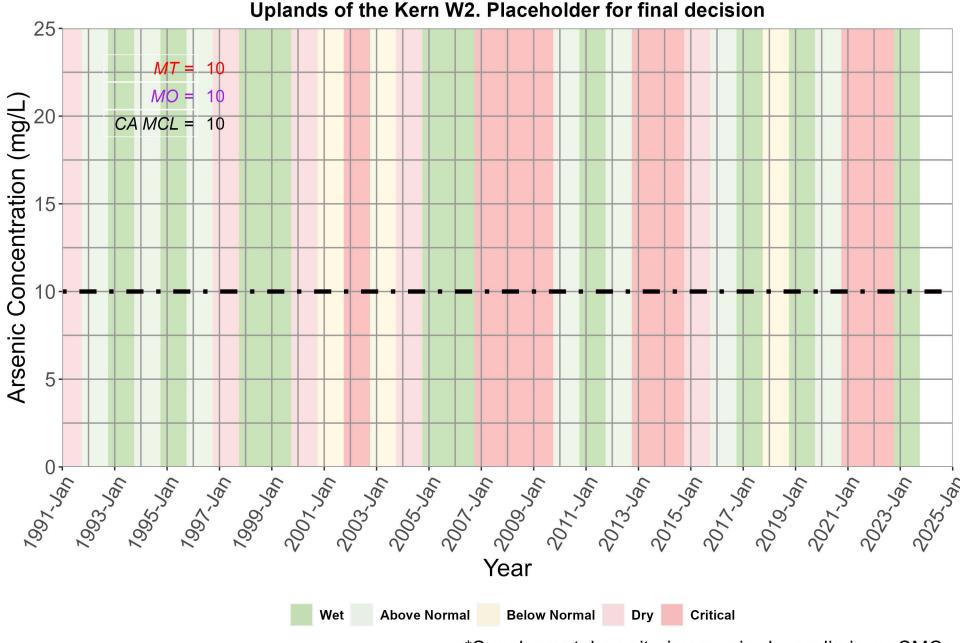
MT =10 10 MO =Arsenic Concentration (mg/L) CA MCL = 10 Alternative MT = 21.4 ¹⁹91, ush ¹⁹91, ush ¹⁹92, ush ¹⁹92, ush ²⁹03, ush ²⁰03, ush ²⁰03, ush ²⁰03, ush ²⁰03, ush ²⁰13, ush ²⁰13, ush ²⁰13, ush ²⁰2, ush Year Above Normal Below Normal Dry Critical Wet

*Supplemental monitoring required – preliminary SMCs

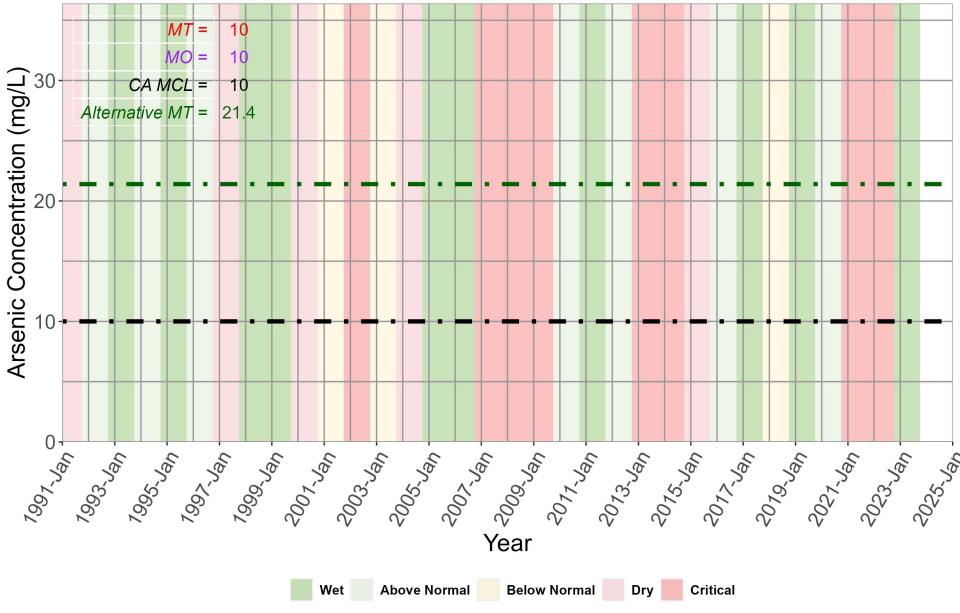
RMW-288 (EWMA #49)

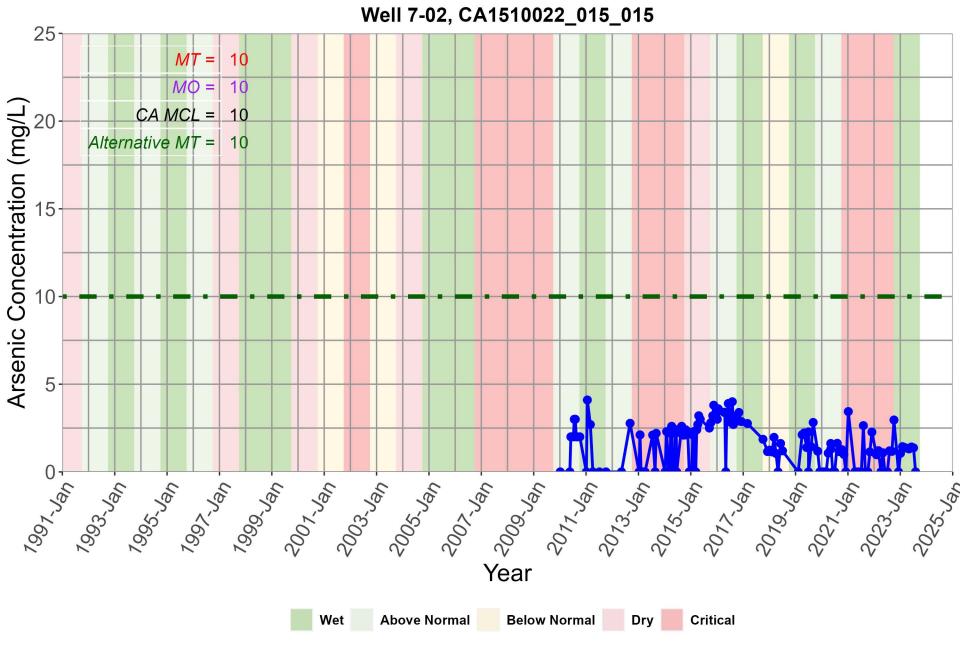


Superior Mutual Well 1, CA1503209_001_001

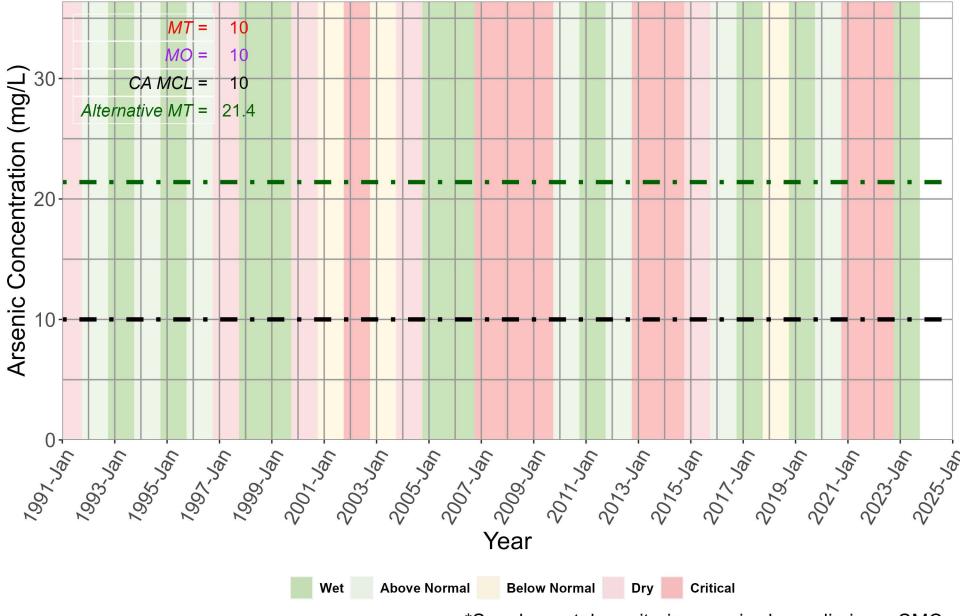


Well 4D1, AGC100012326-KRWCA00004

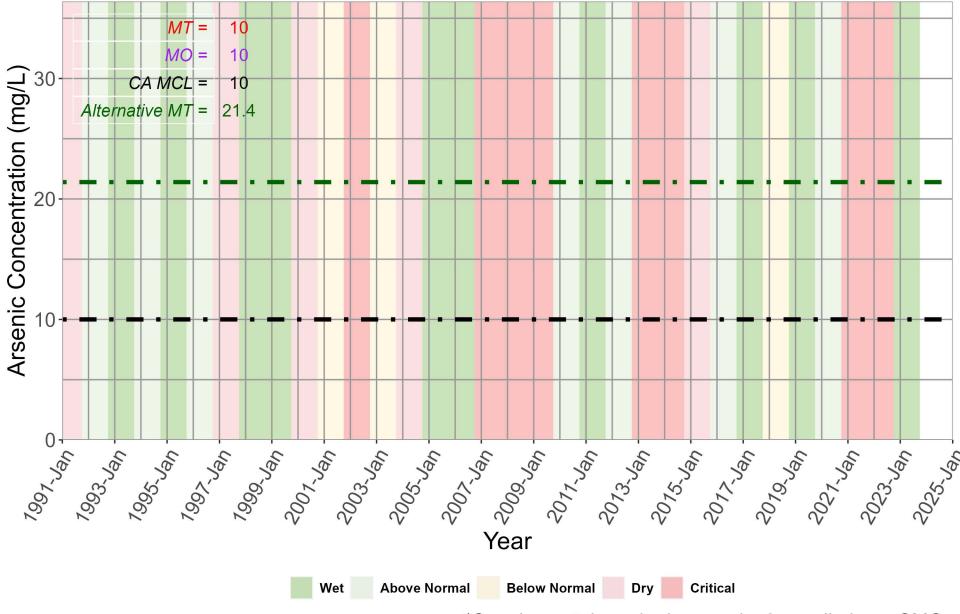




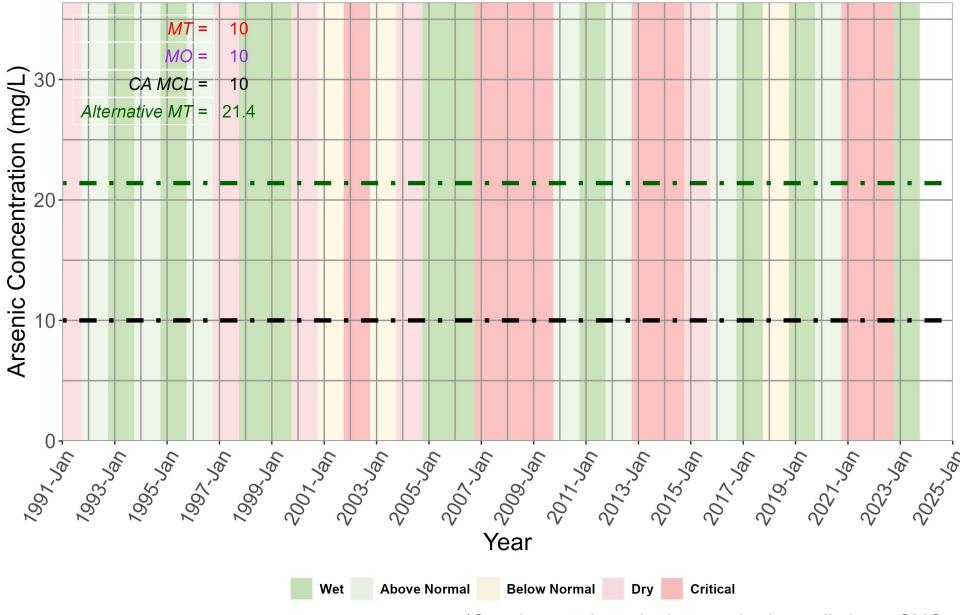
Well 12A1



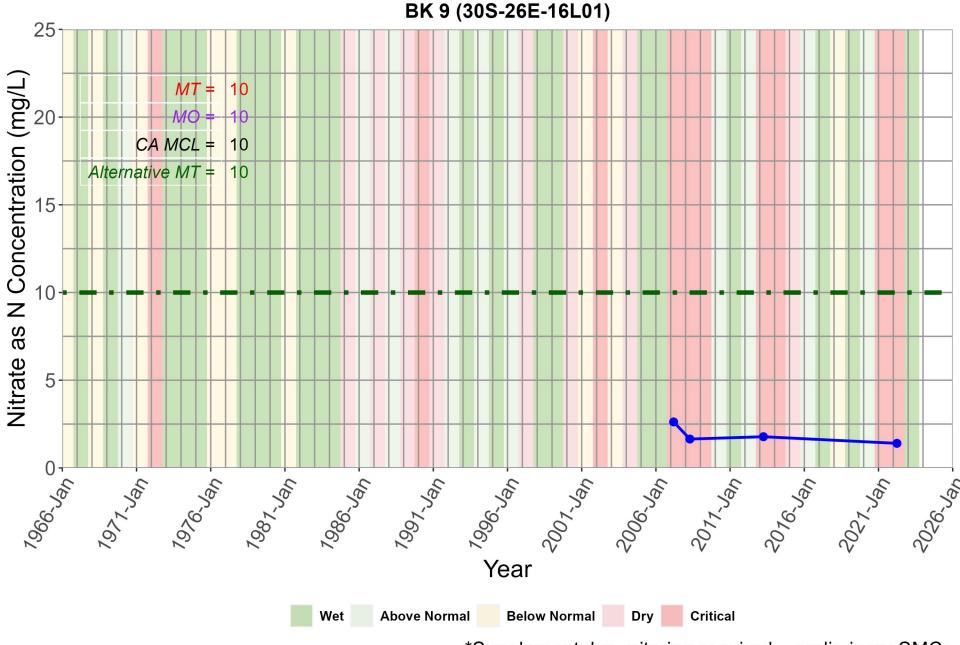
Well 12A2

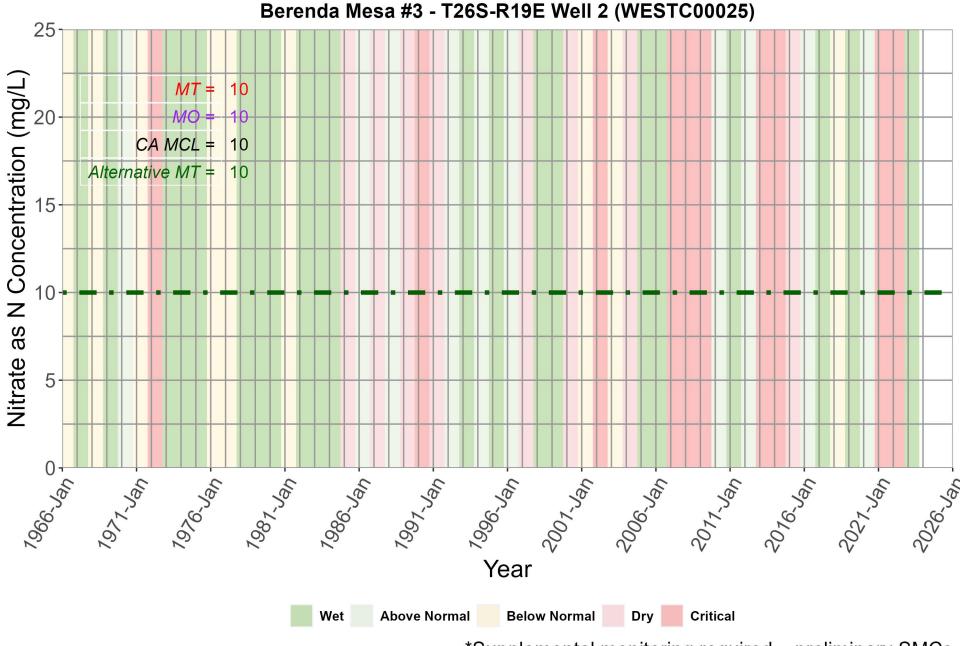


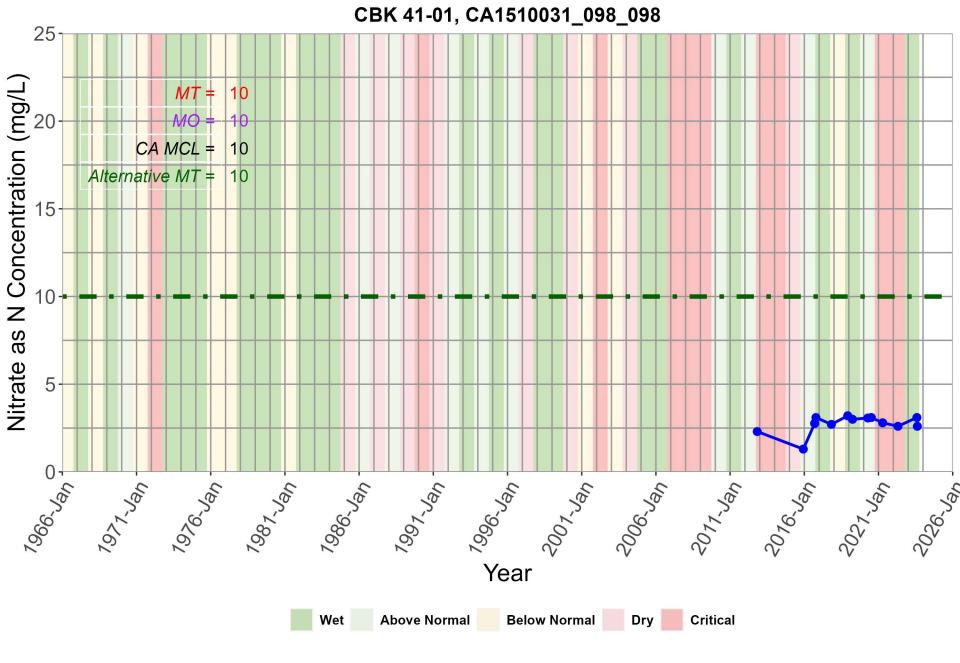
Well 27K1

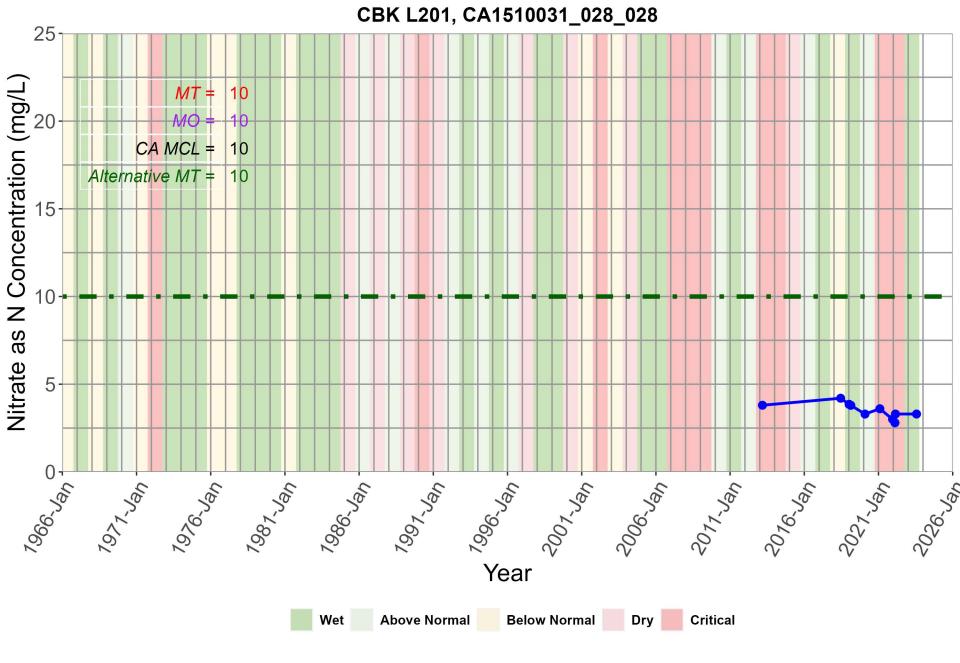


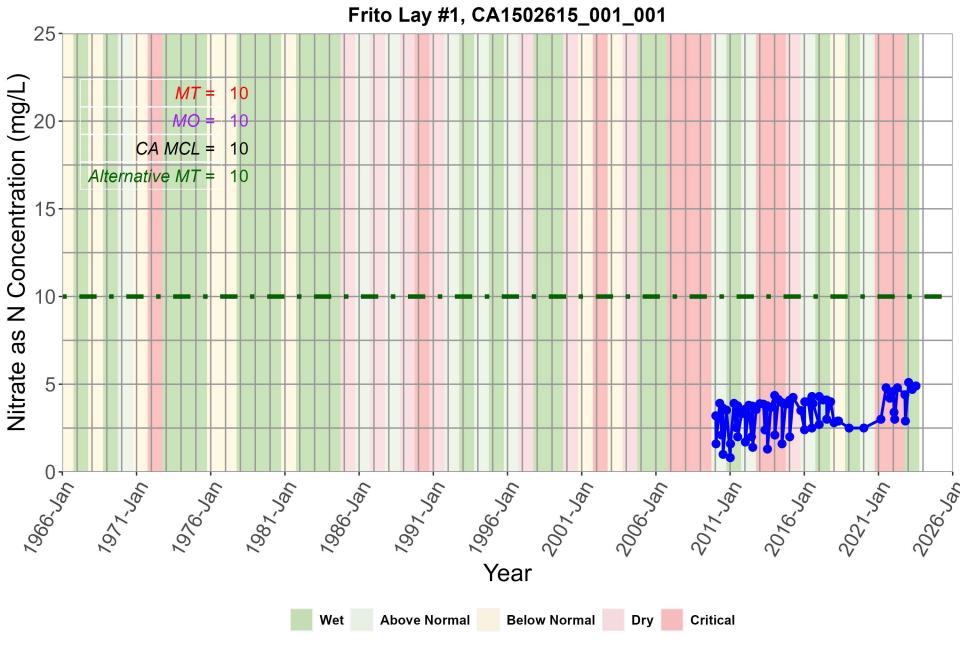
1.2 Nitrate

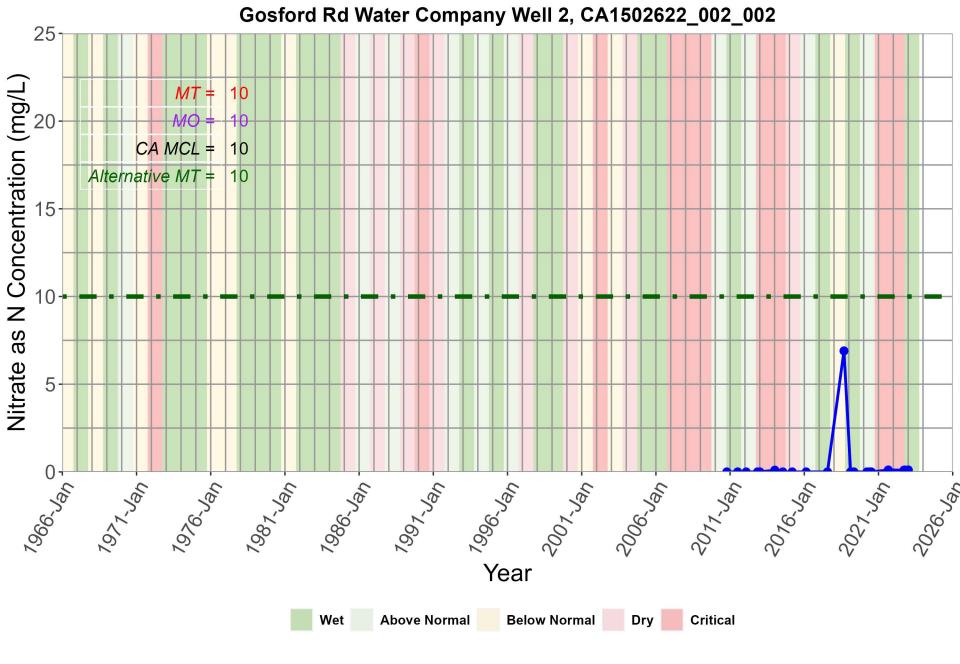


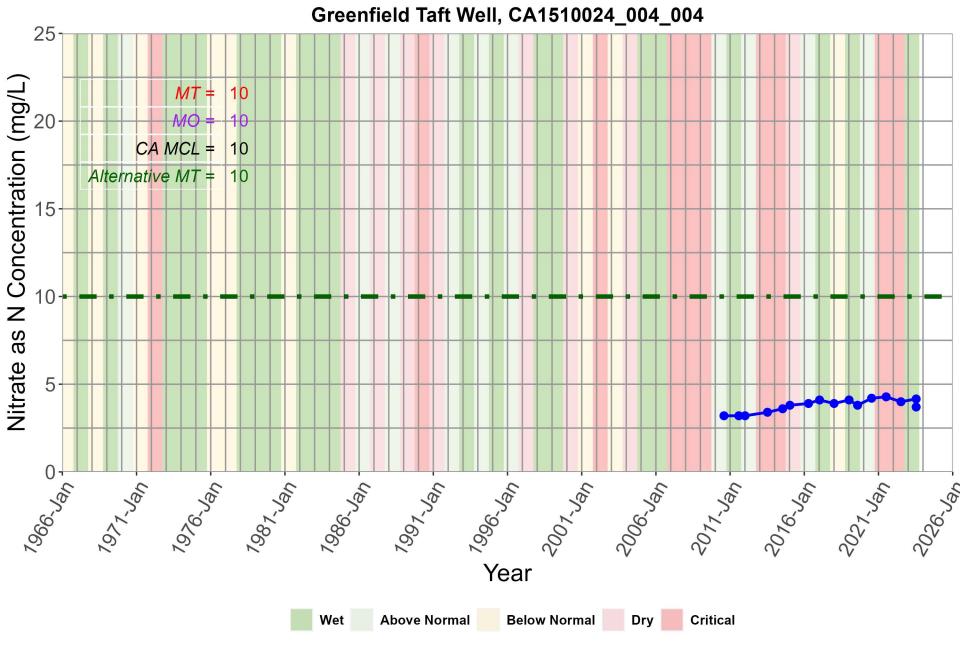


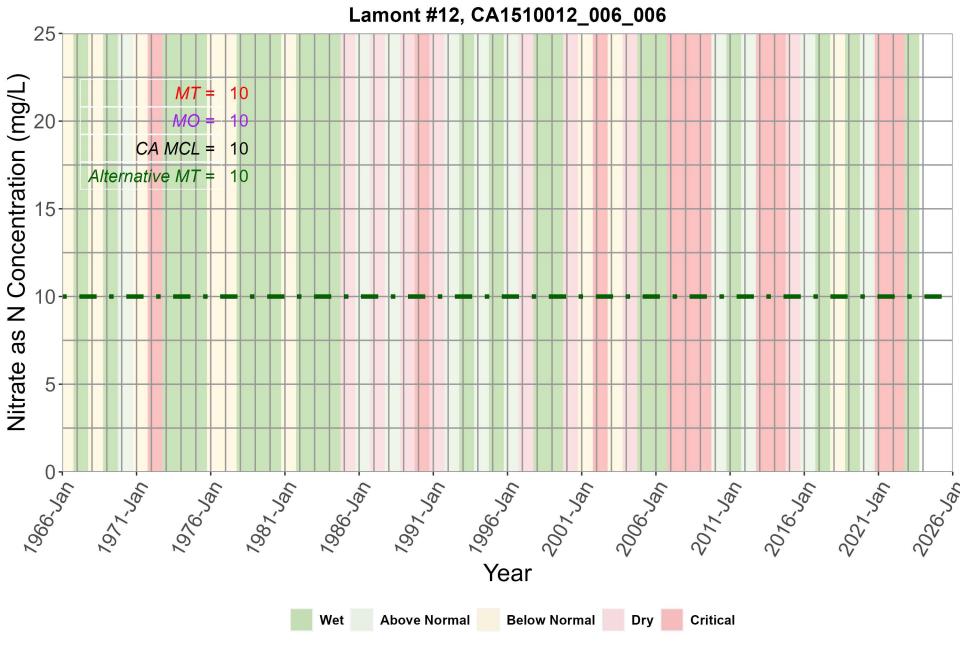


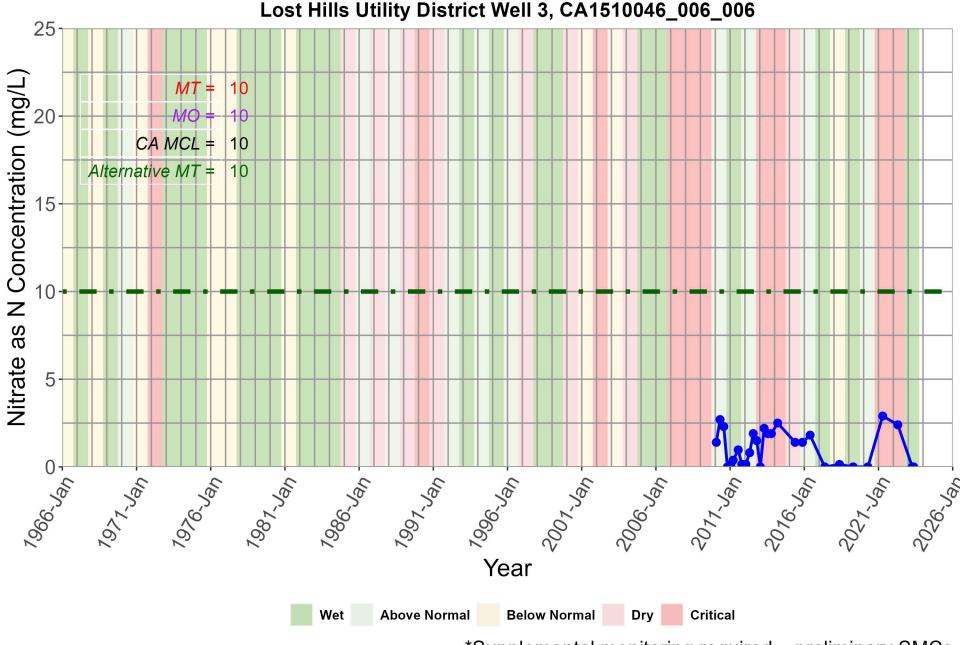


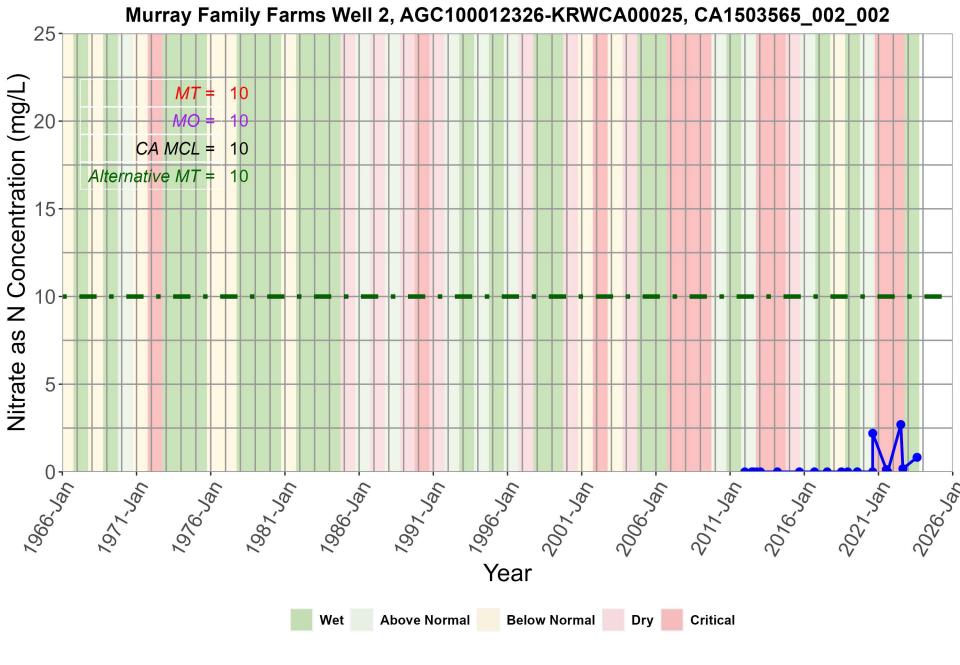


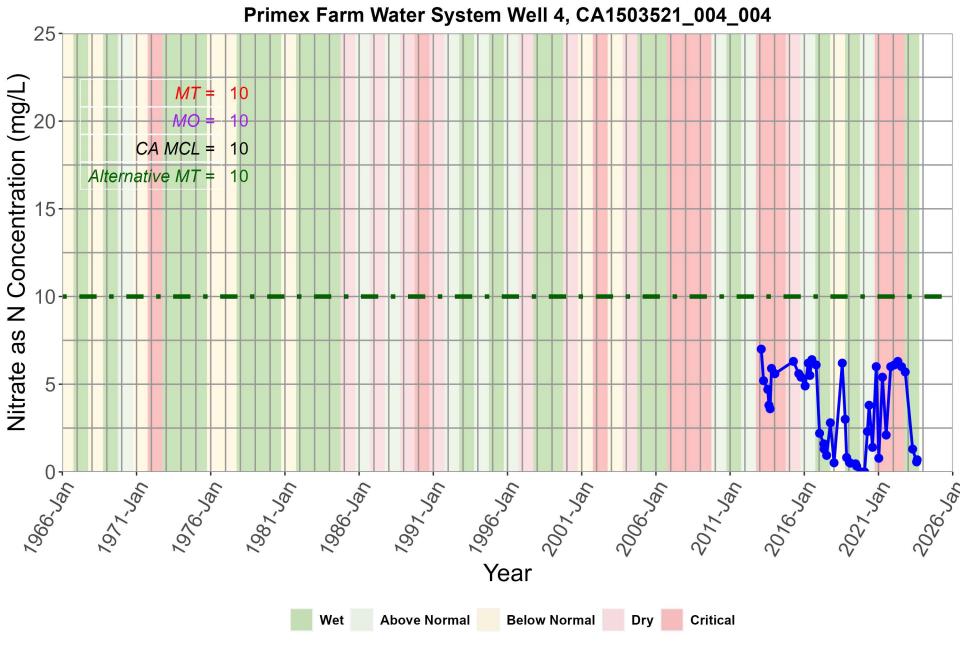


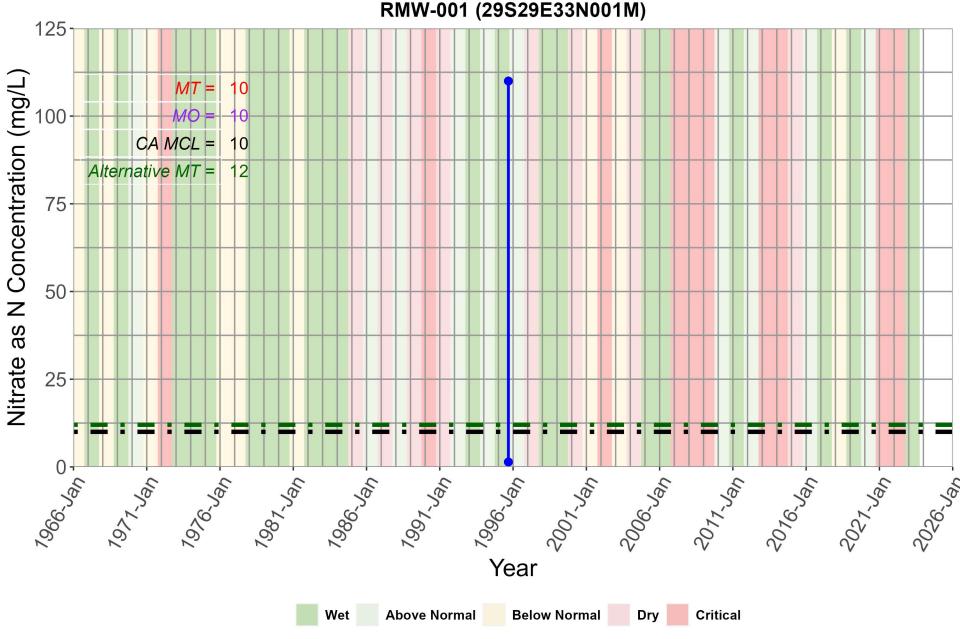


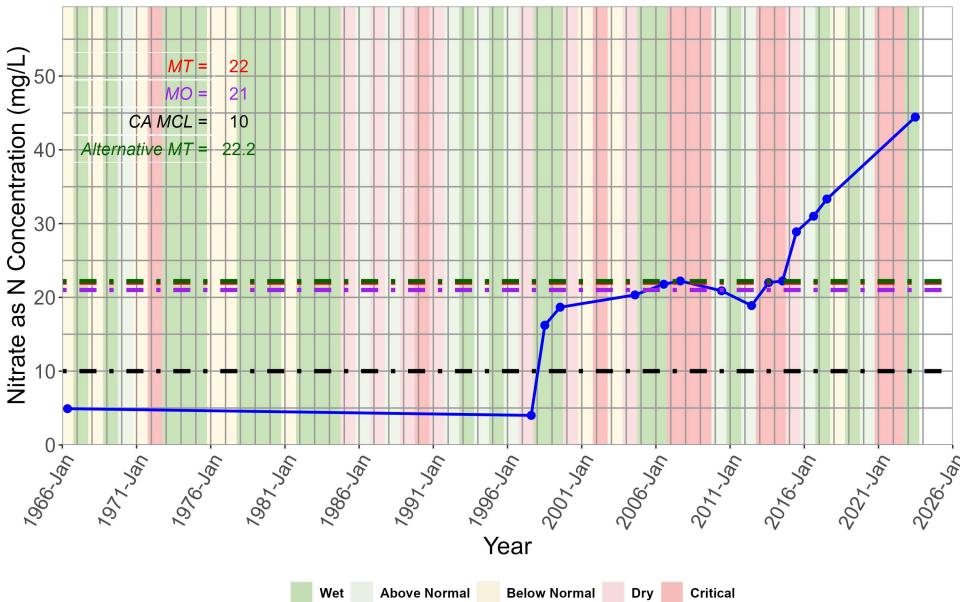




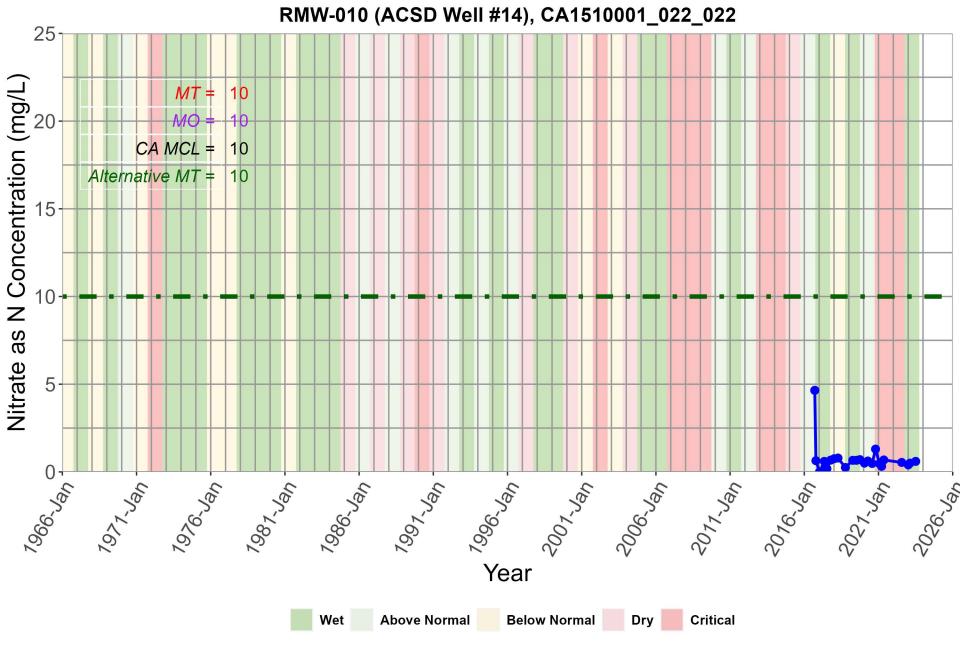


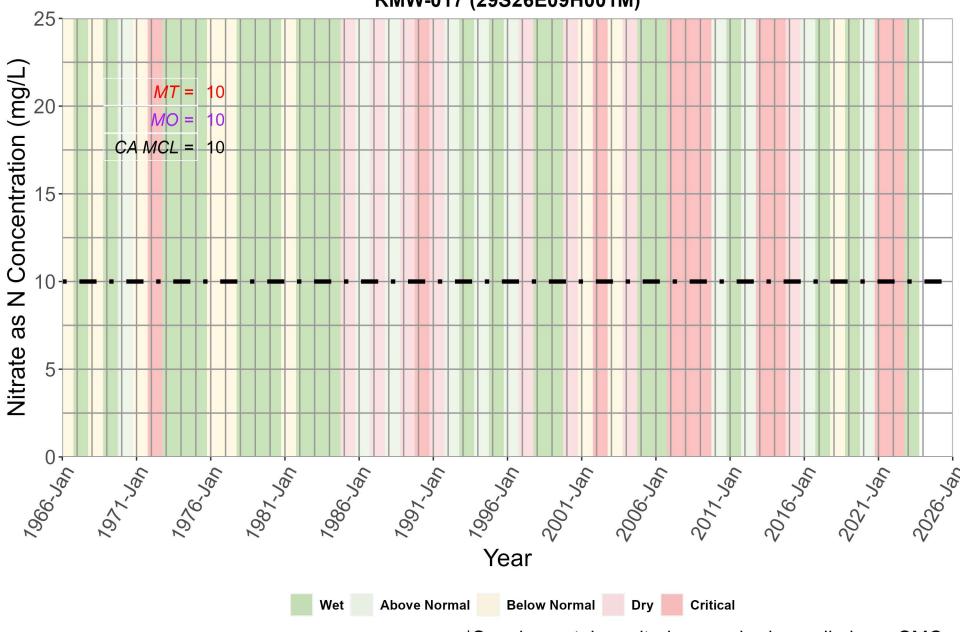




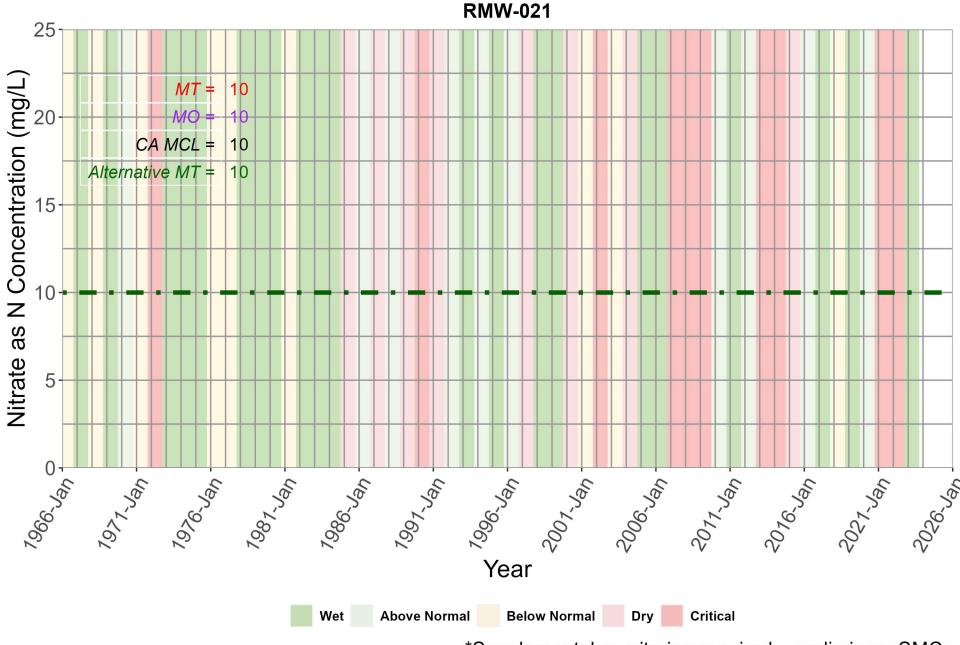


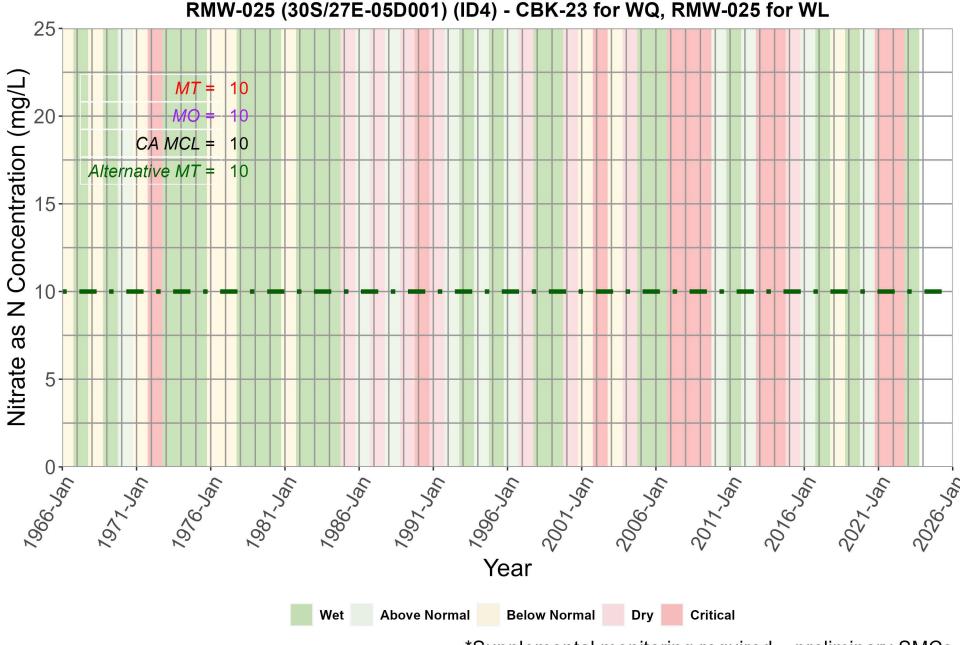
RMW-004 (30S29E29A001M)

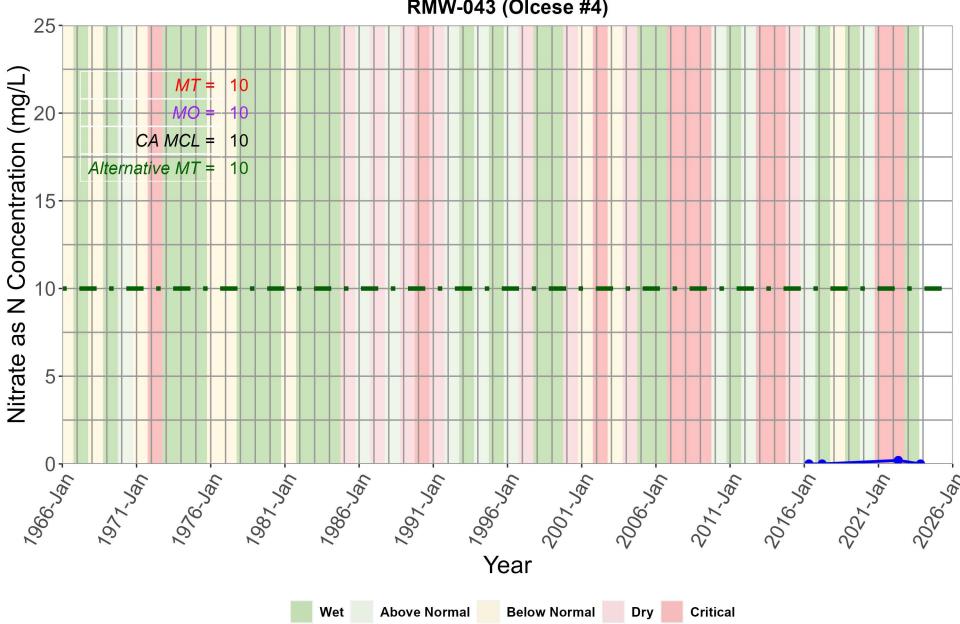




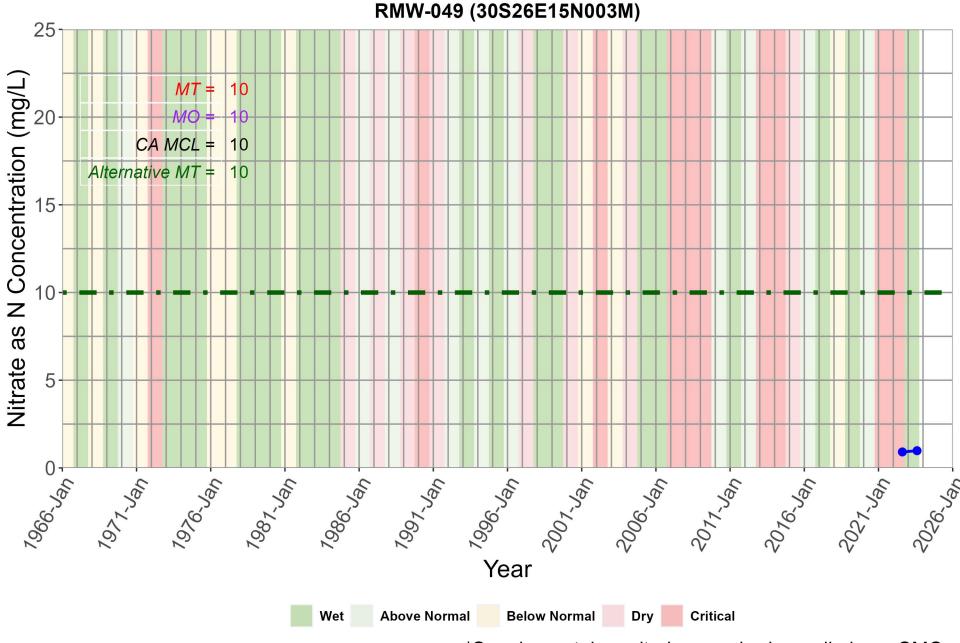
RMW-017 (29S26E09H001M)

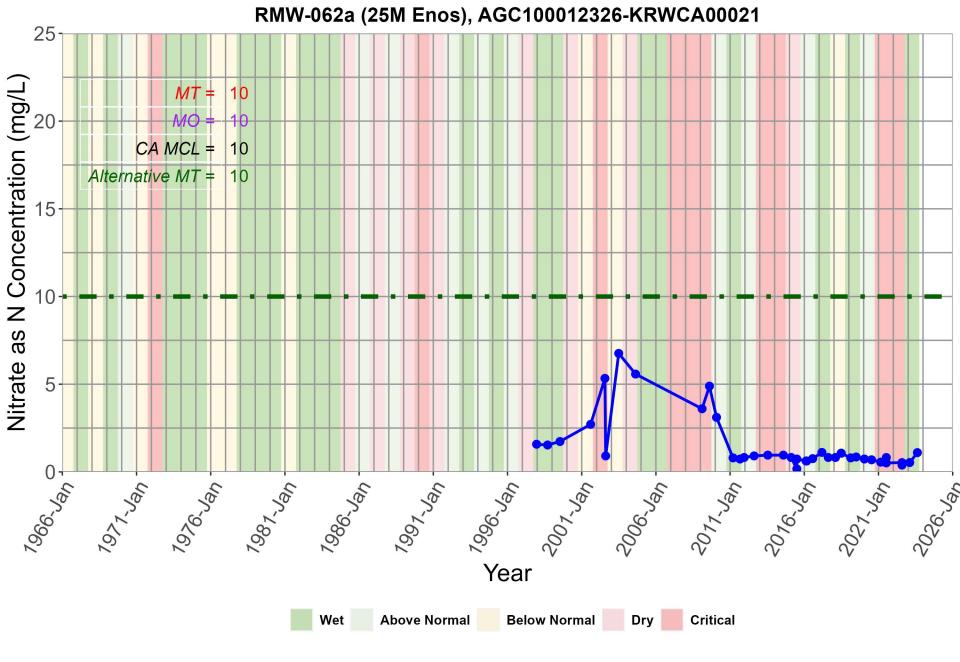


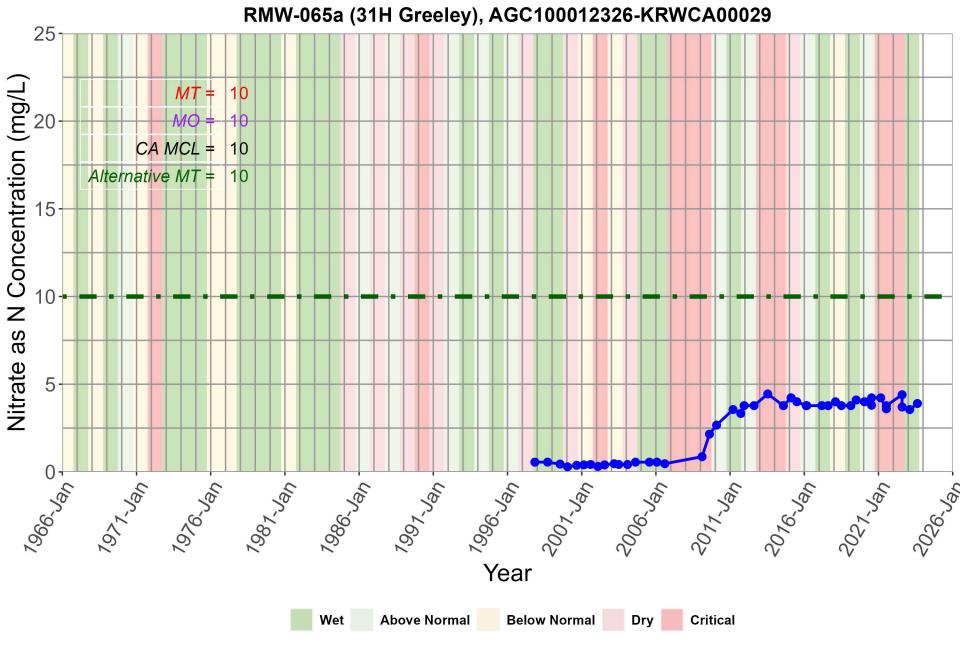


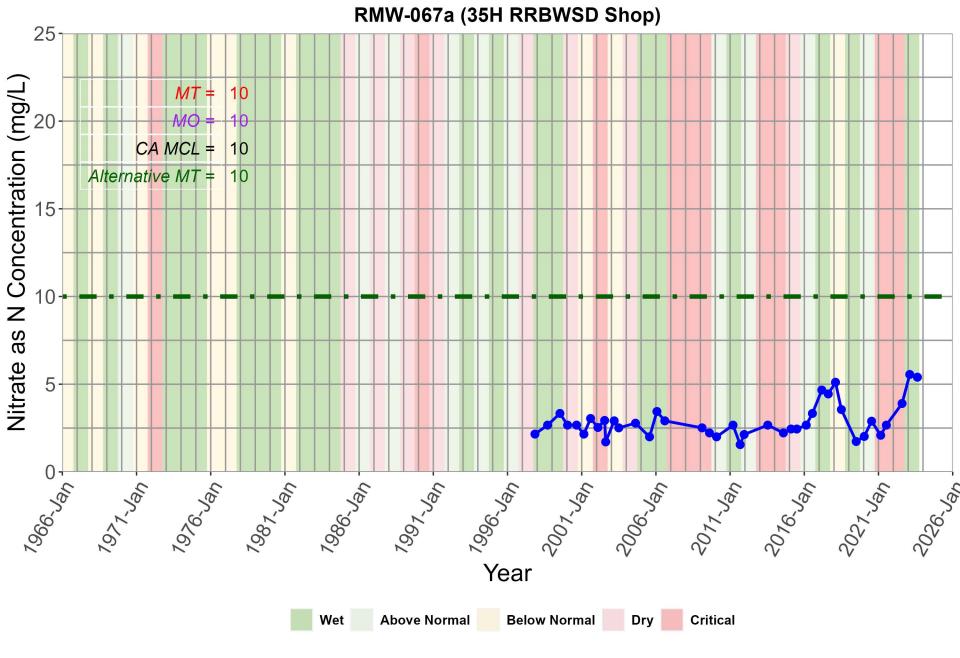


RMW-043 (Olcese #4)

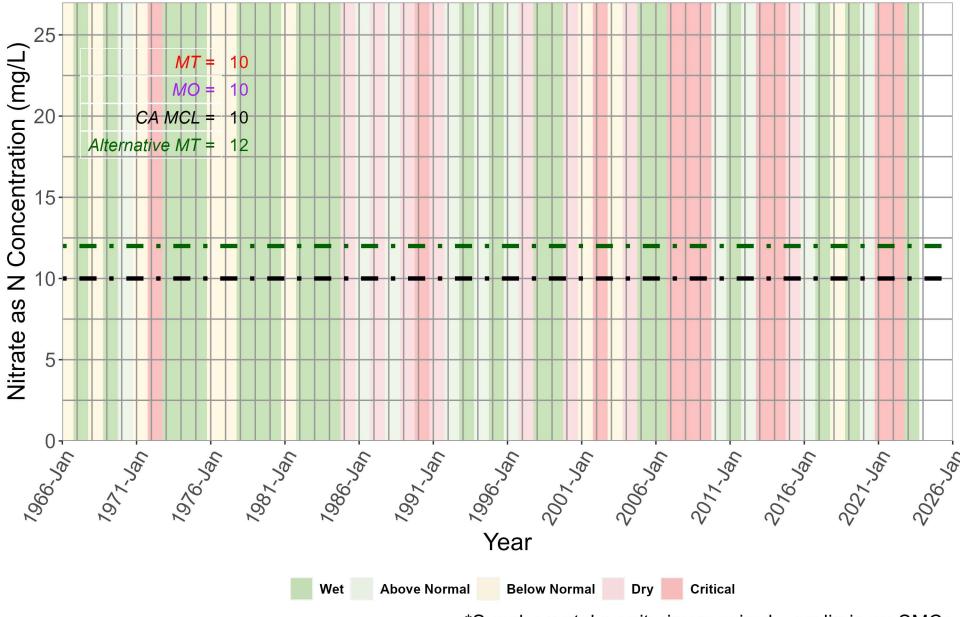


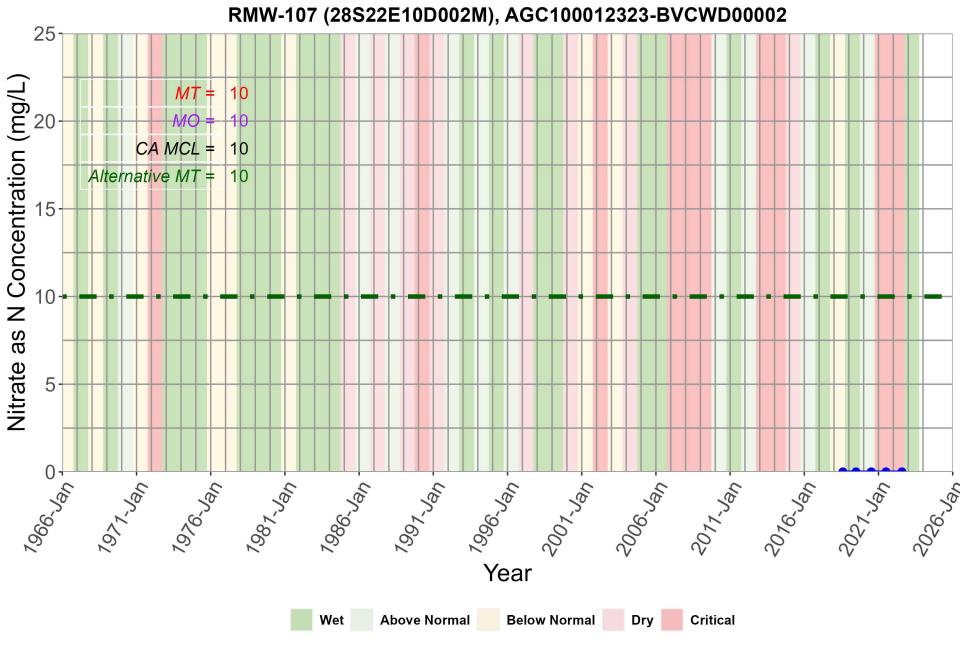


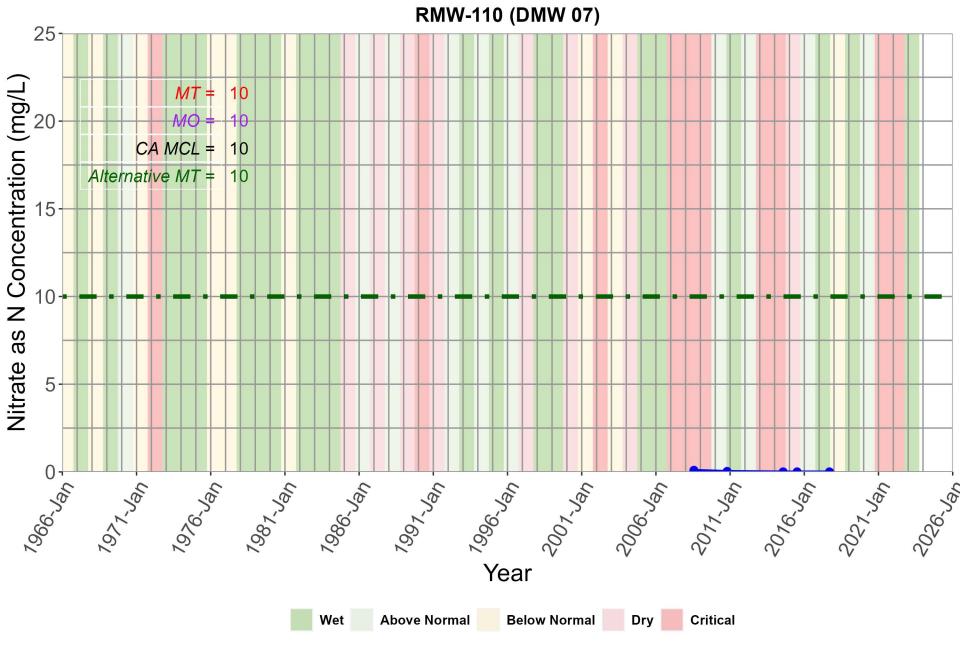


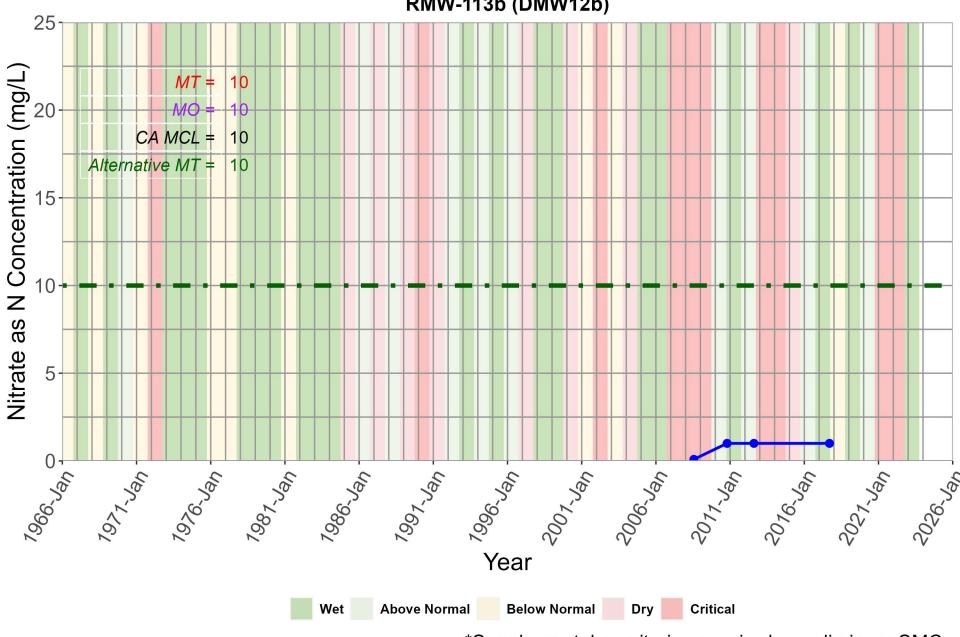


RMW-070, Caratan Well

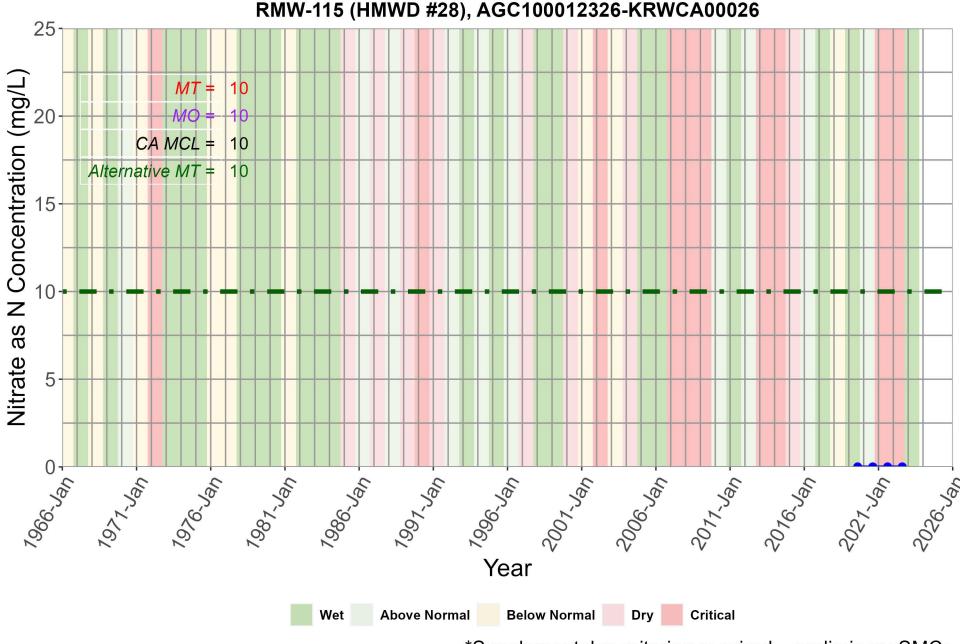


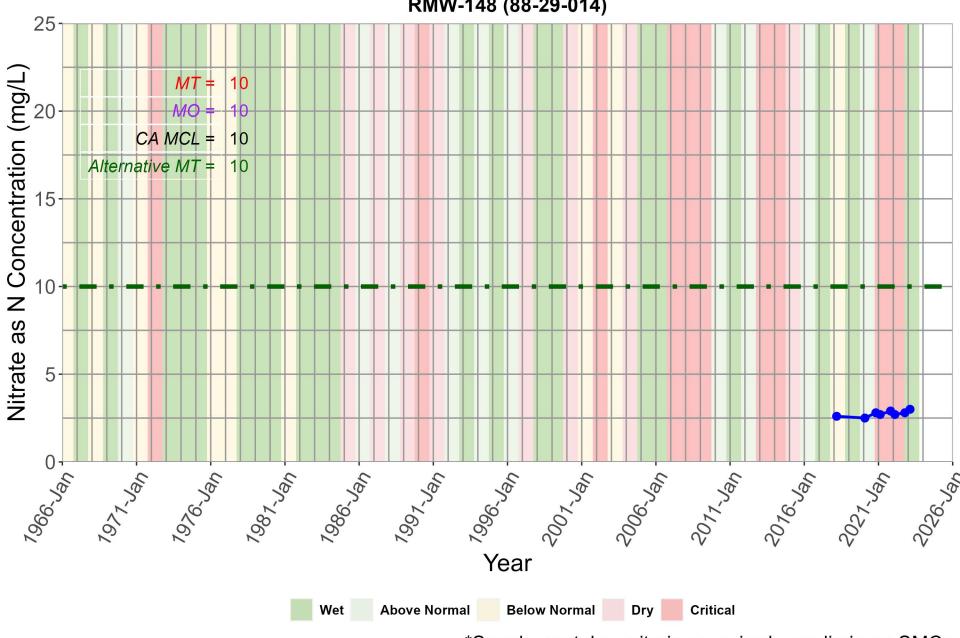






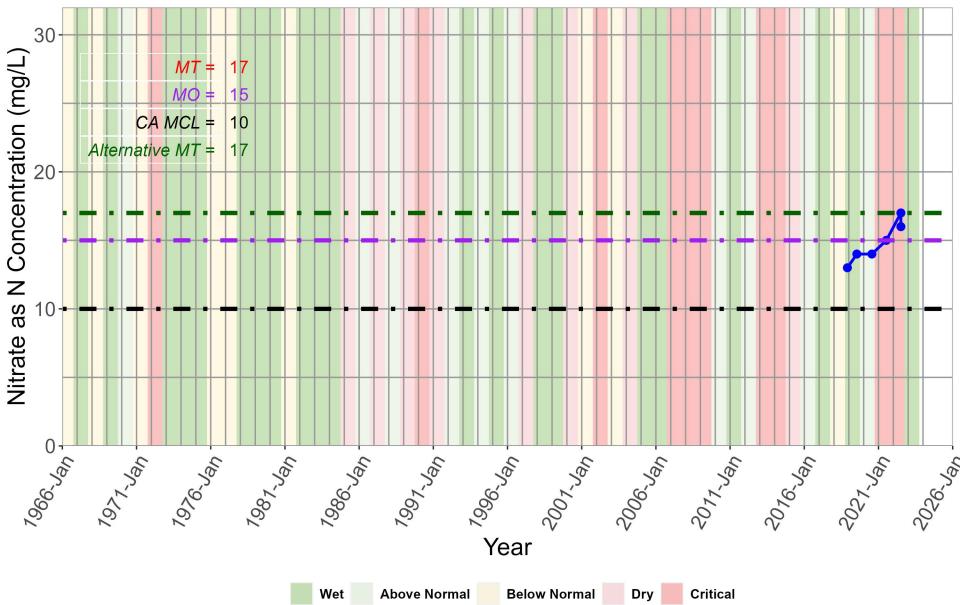
RMW-113b (DMW12b)

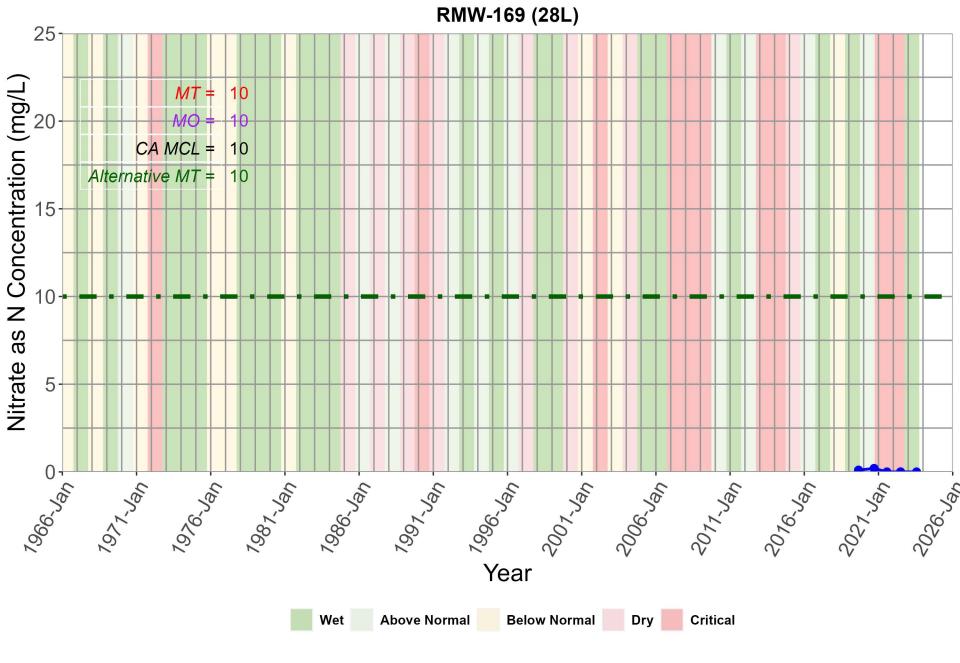


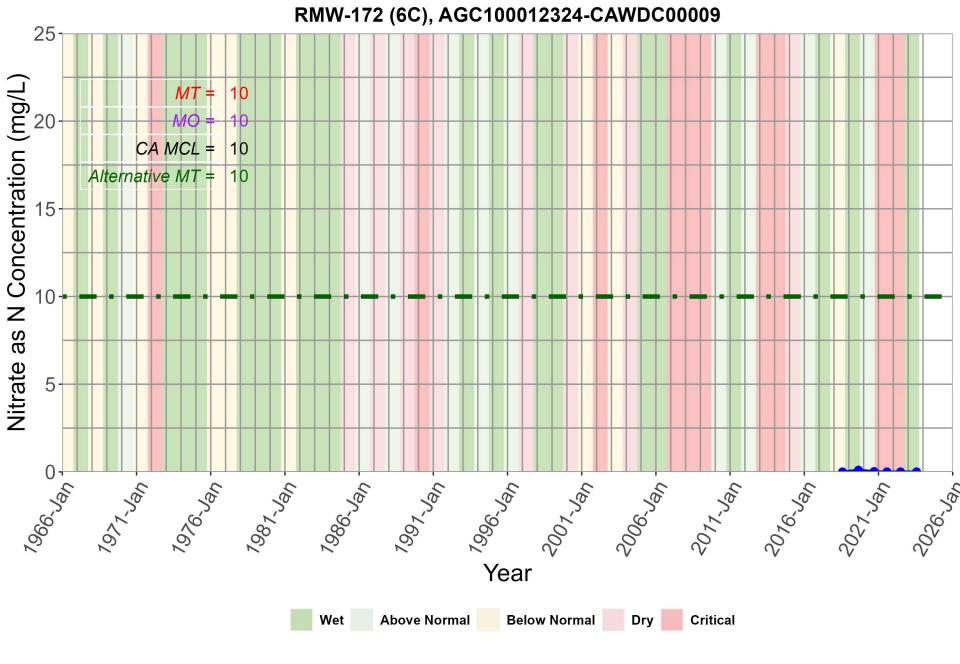


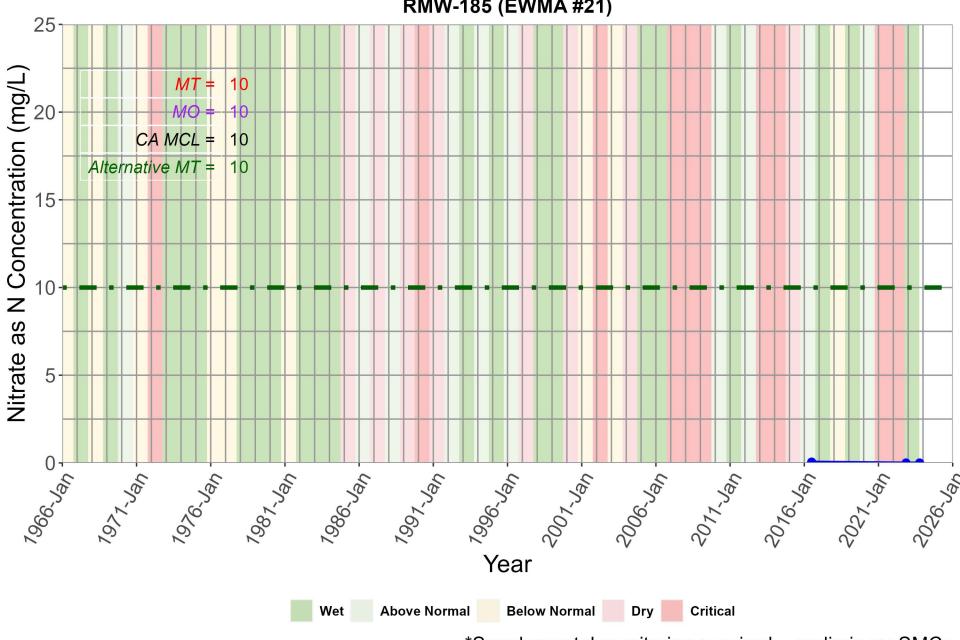
RMW-148 (88-29-014)

RMW-159 (SSJMUD 23), AGC100012326-KRWCA00030

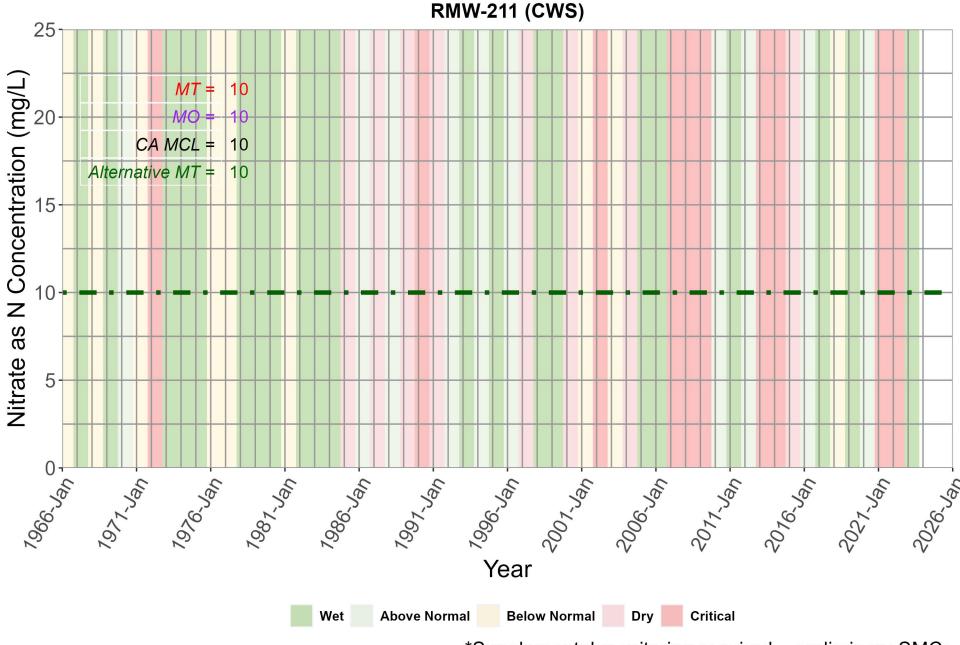




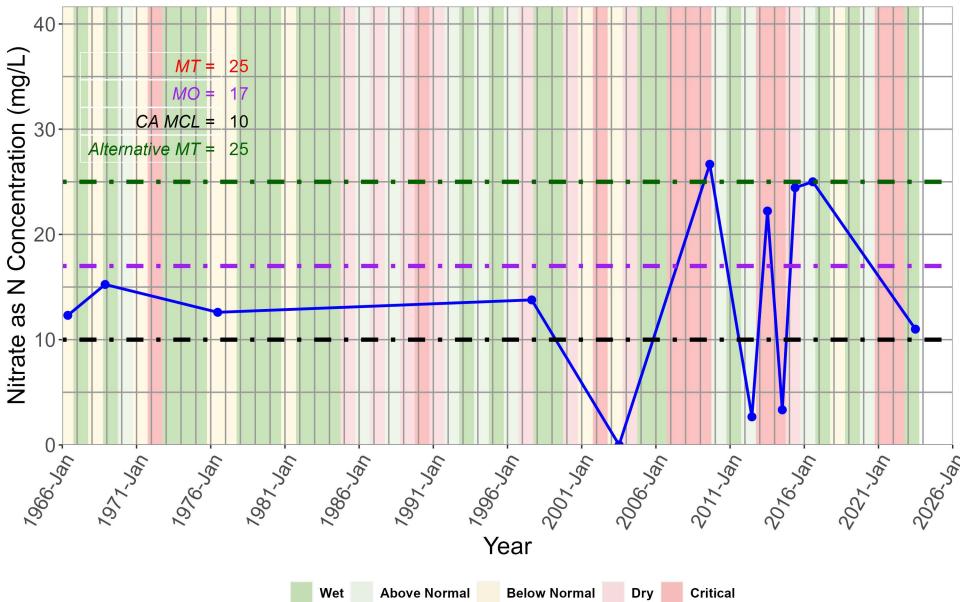


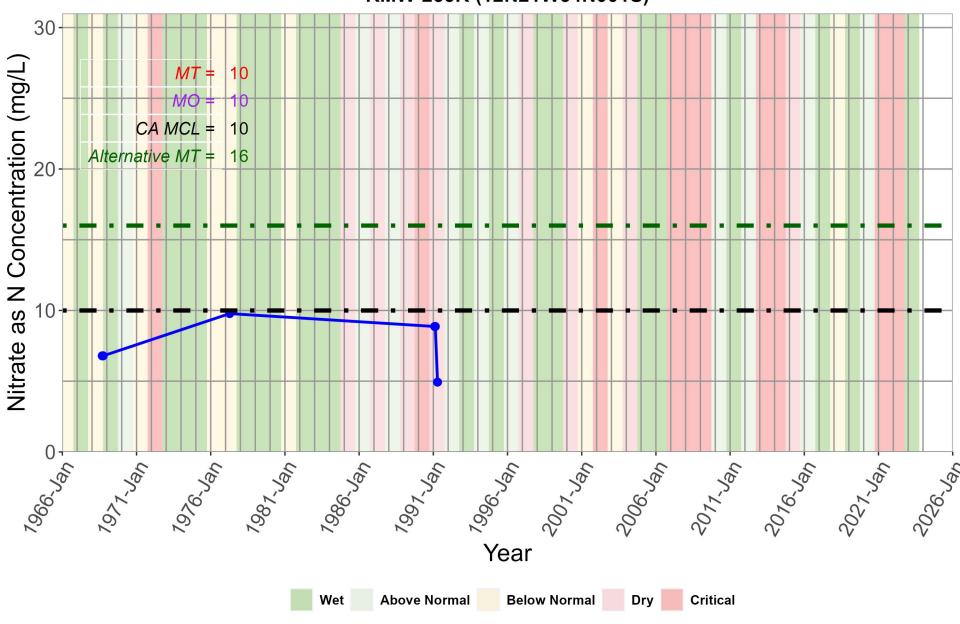


RMW-185 (EWMA #21)



RMW-224 (31S29E10K001M)





RMW-235R (12N21W34N001S)

N Concentration (mg/L) MT =10 75-MQ ŧ 10 CA MCL = 10 Alternative MT = 16 50 Nitrate as 25 ⁷96⁶. Lan ⁷92⁷. Lan ⁷92⁶. Lan ⁷ Year

Above Normal Below Normal Dry

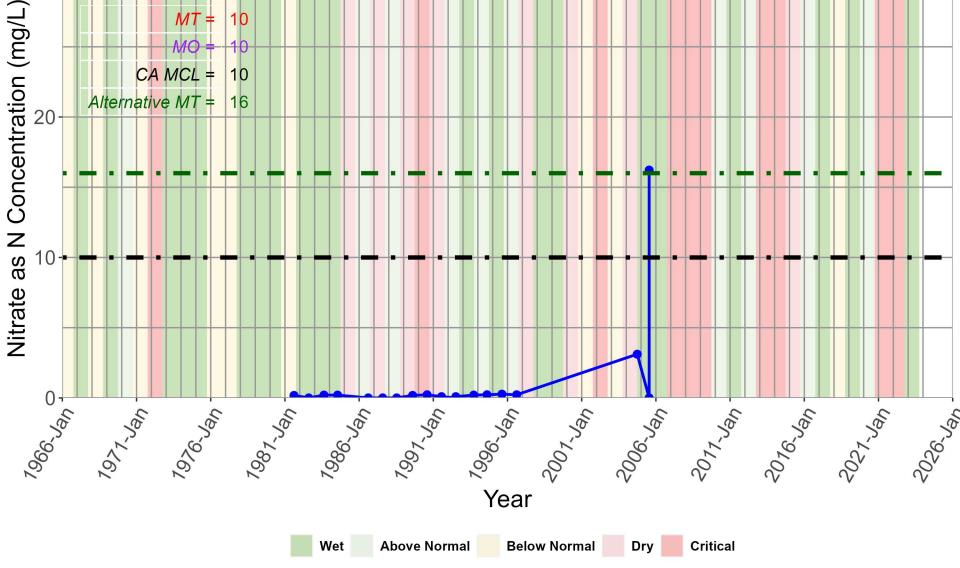
Wet

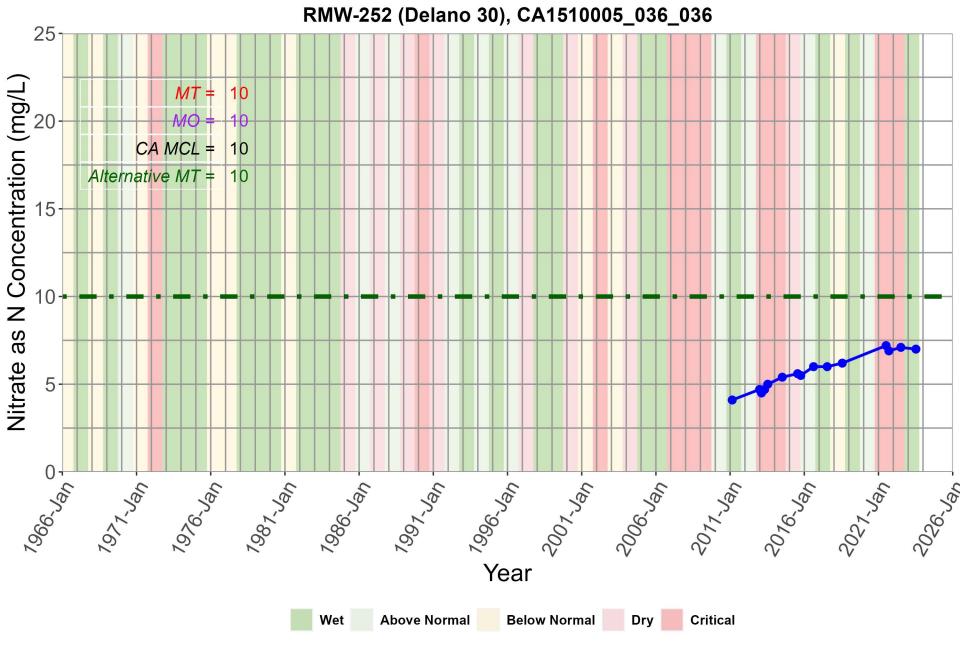
RMW-239 (32S25E29Q001M)

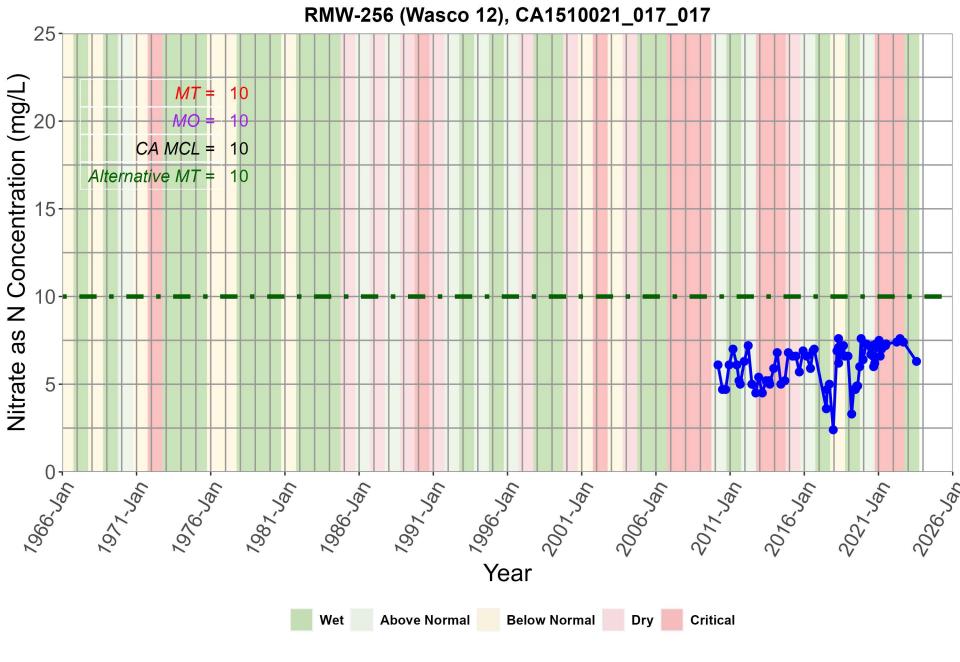
*Supplemental monitoring required – preliminary SMCs

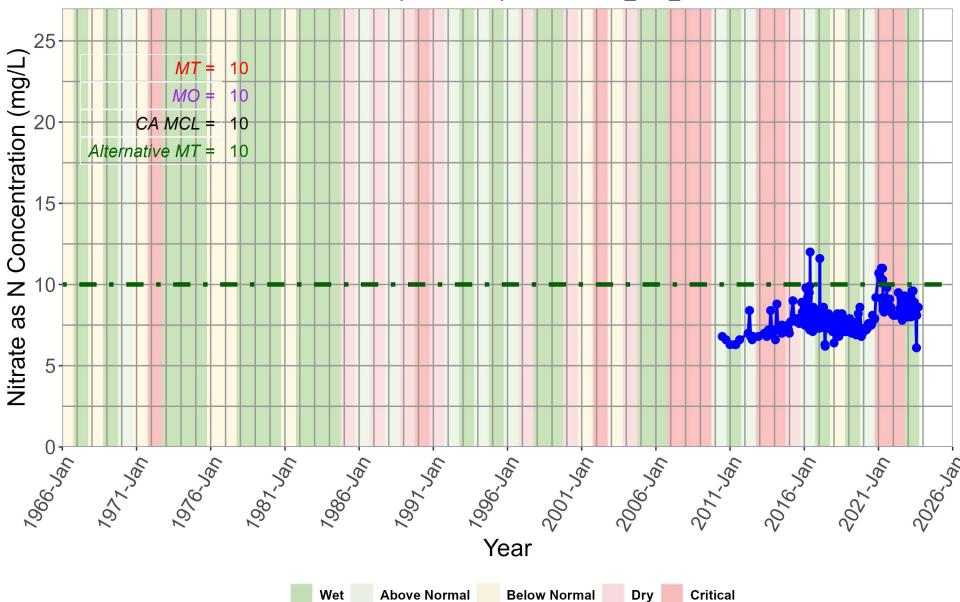
Critical

RMW-240 30 MT =10 CA MCL = 10 Alternative MT = 16

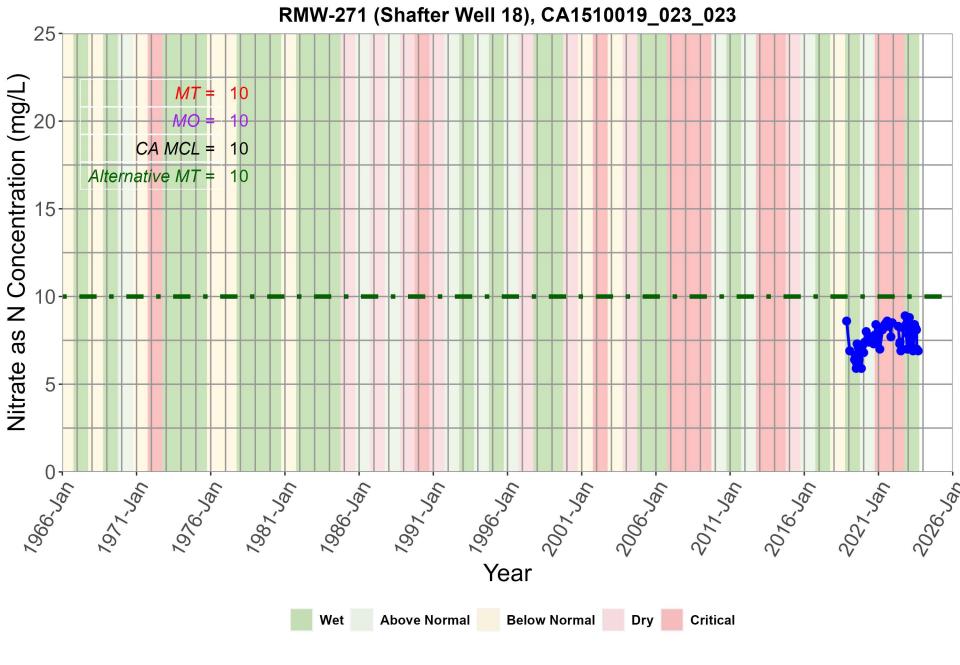


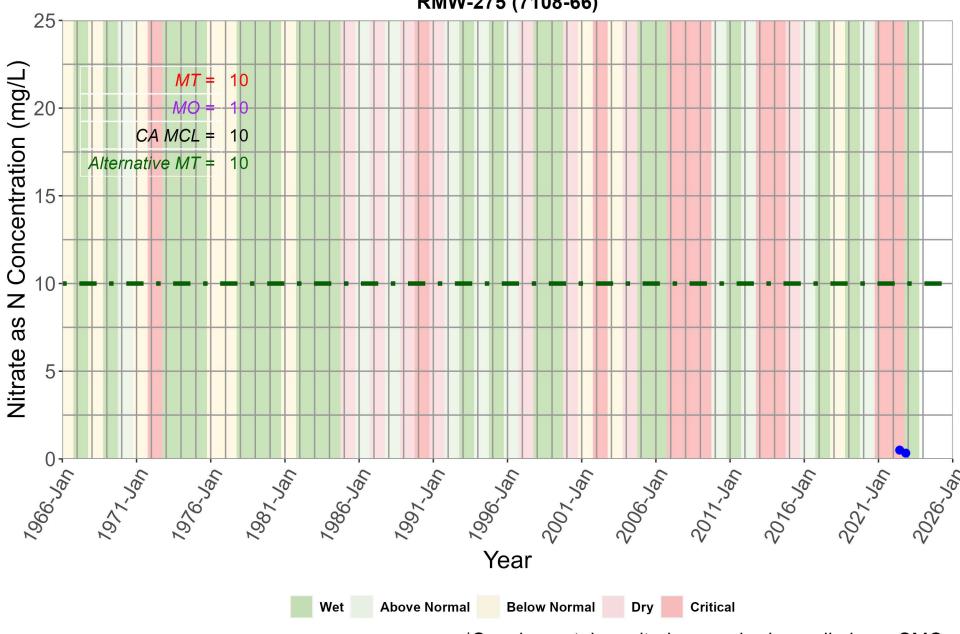




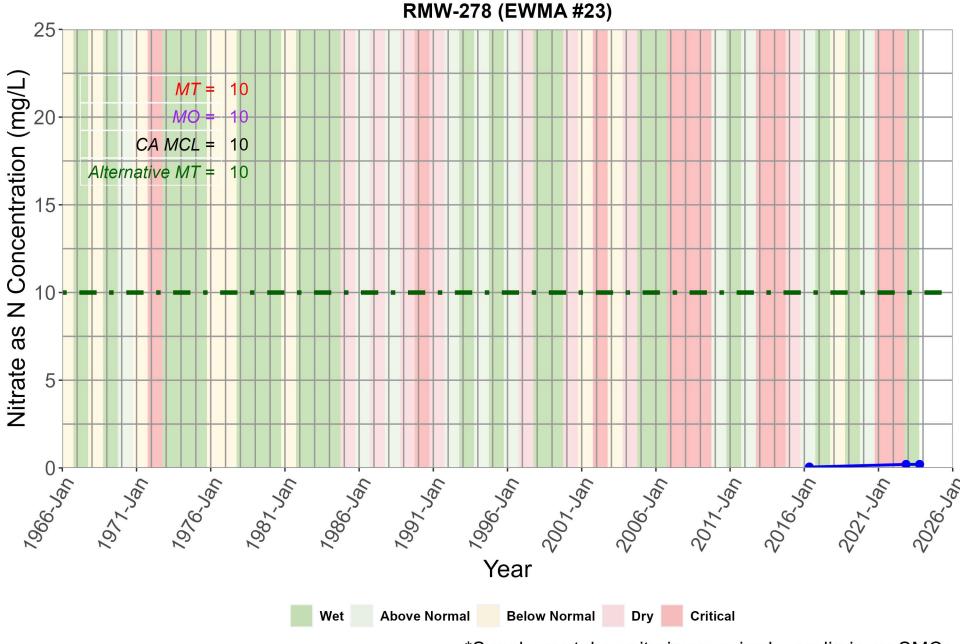


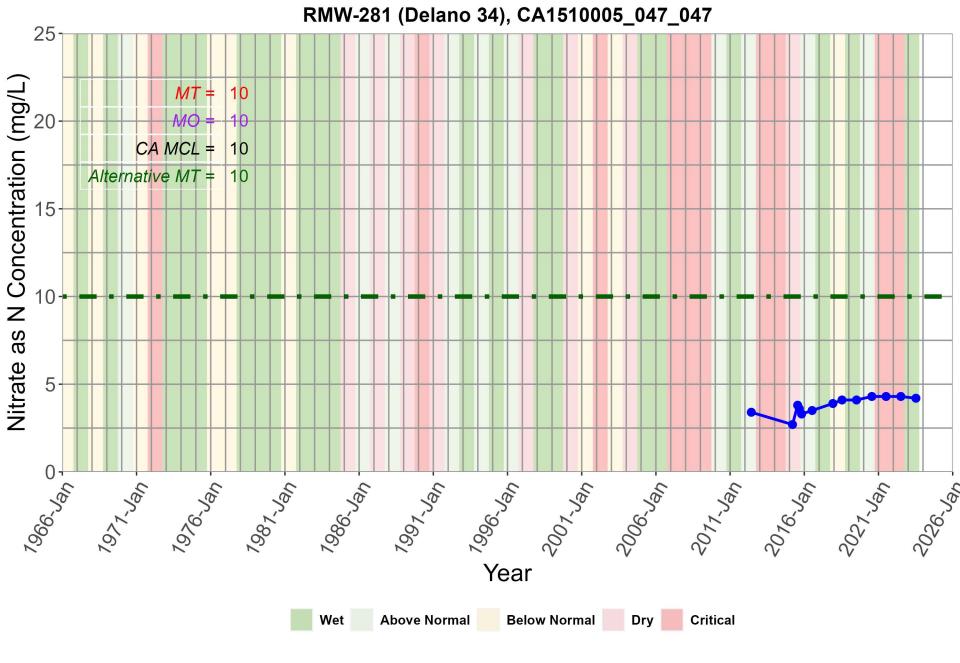
RMW-257 (Shafter 14), CA1510019_009_009

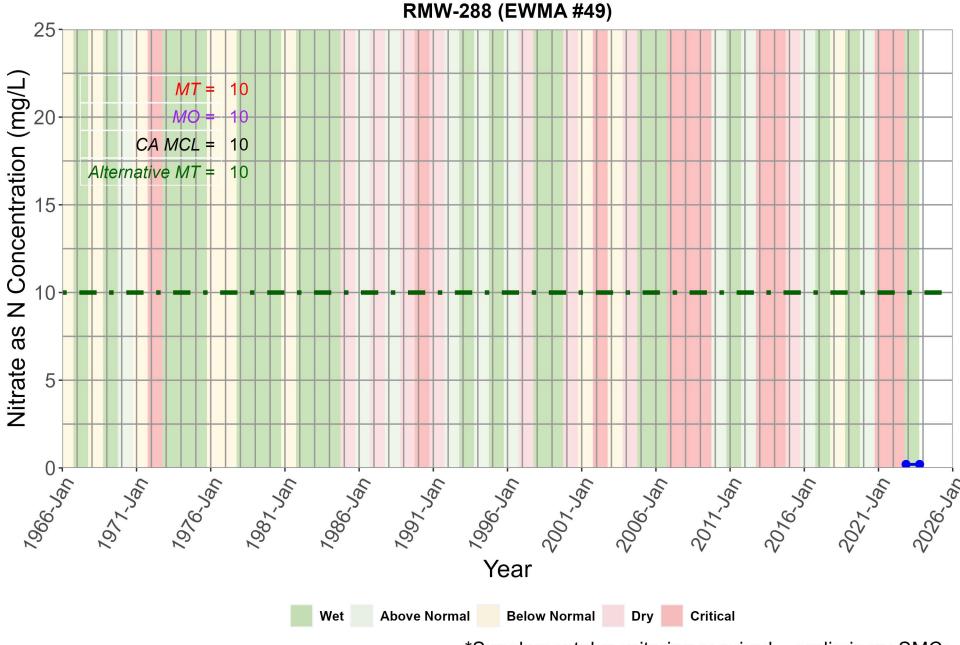


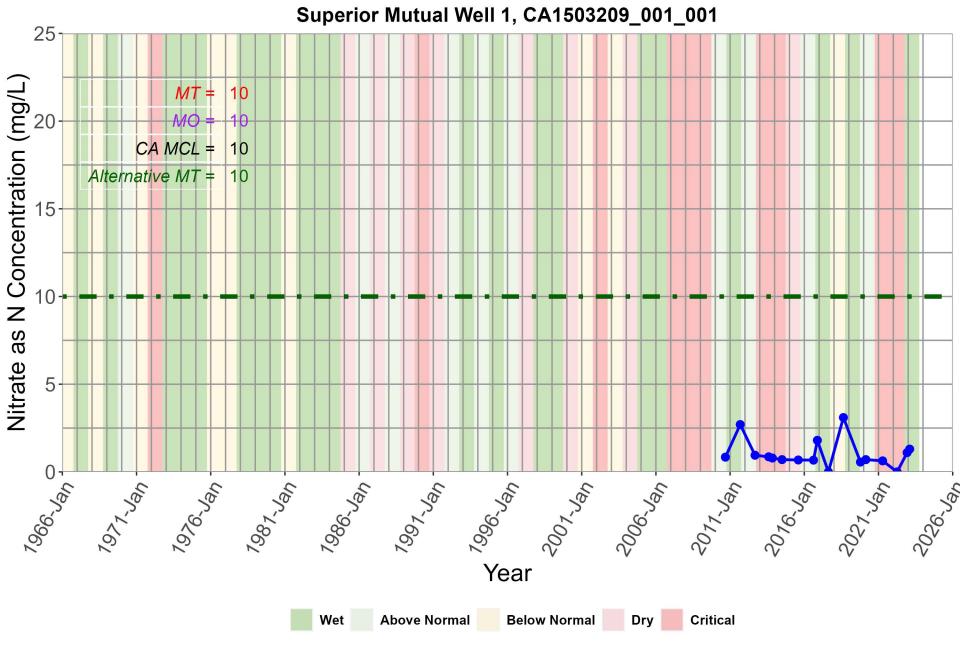


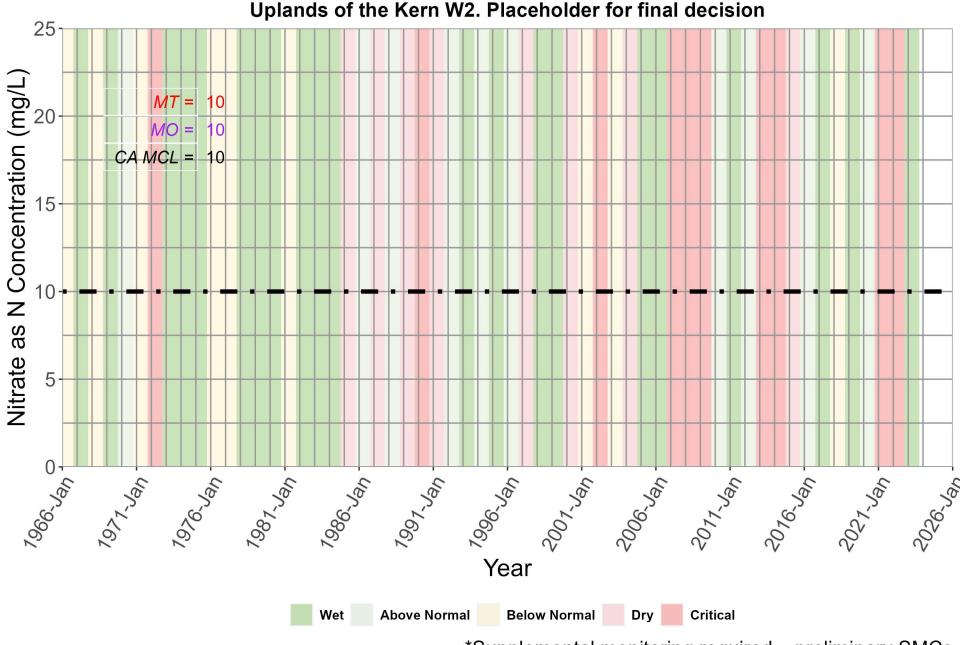
RMW-275 (7108-66)

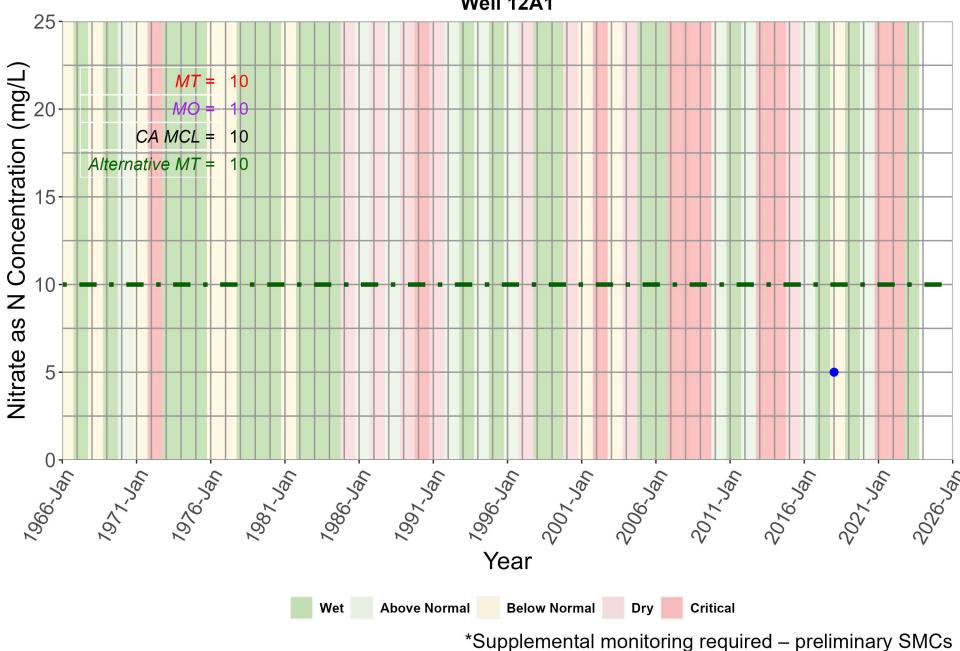




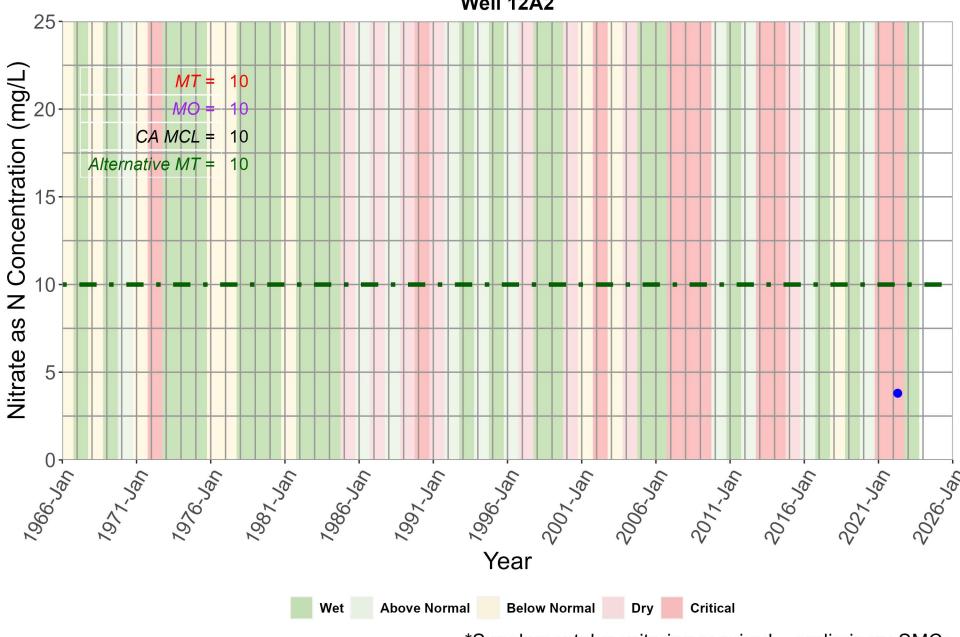




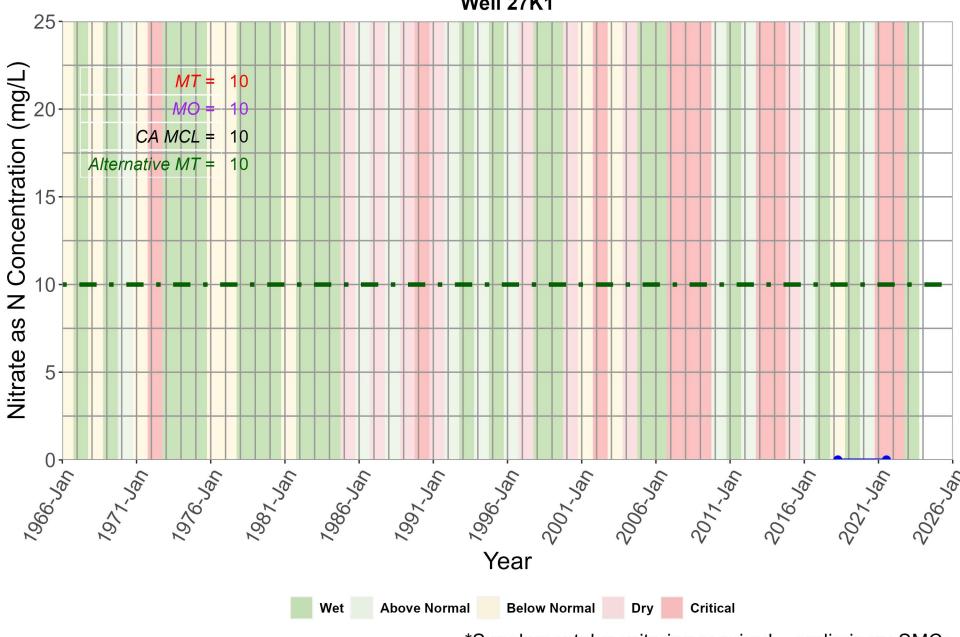




Well 12A1



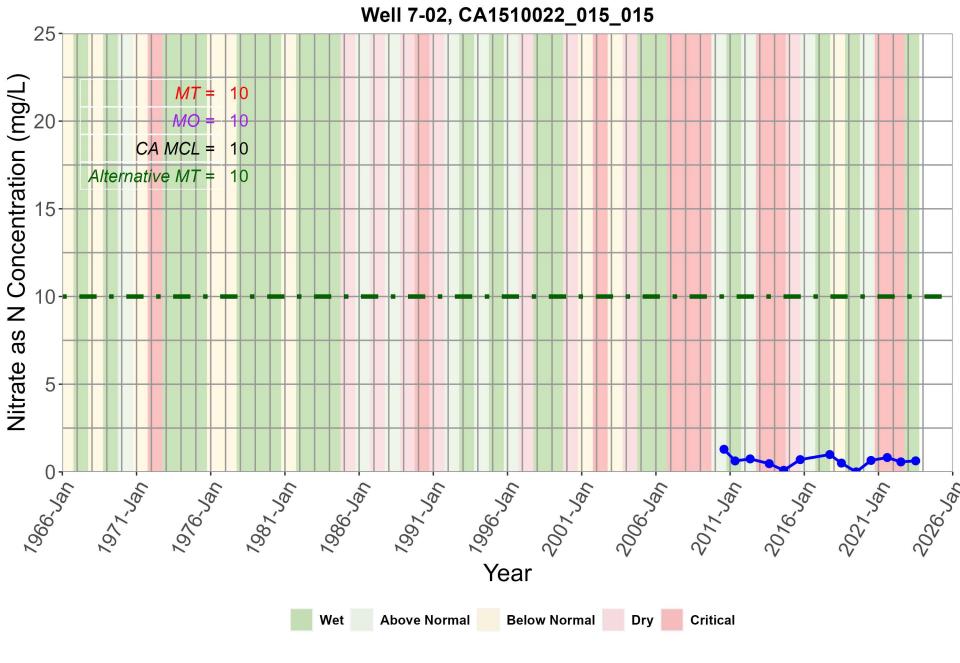
Well 12A2



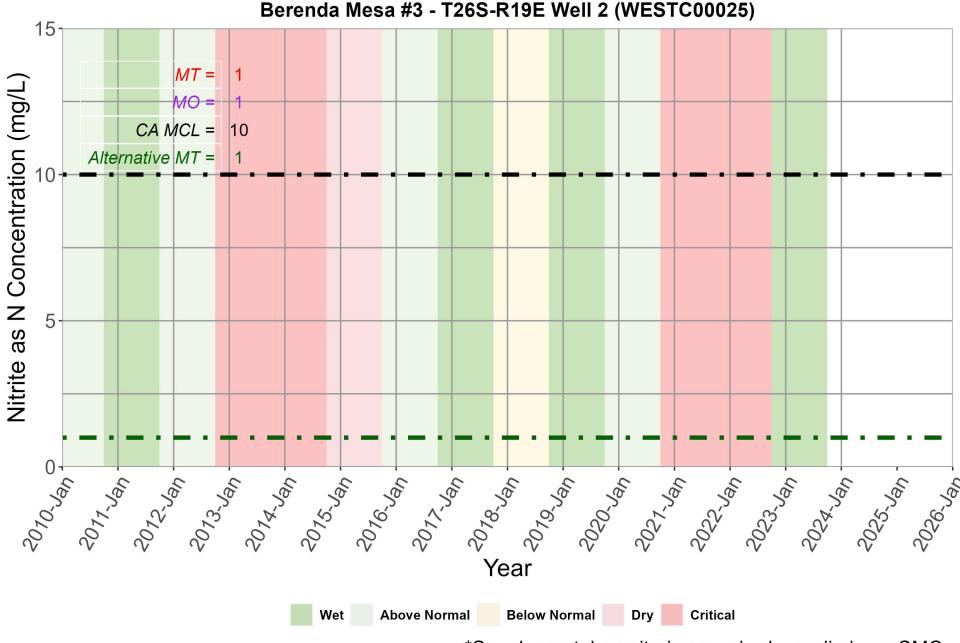
Well 27K1

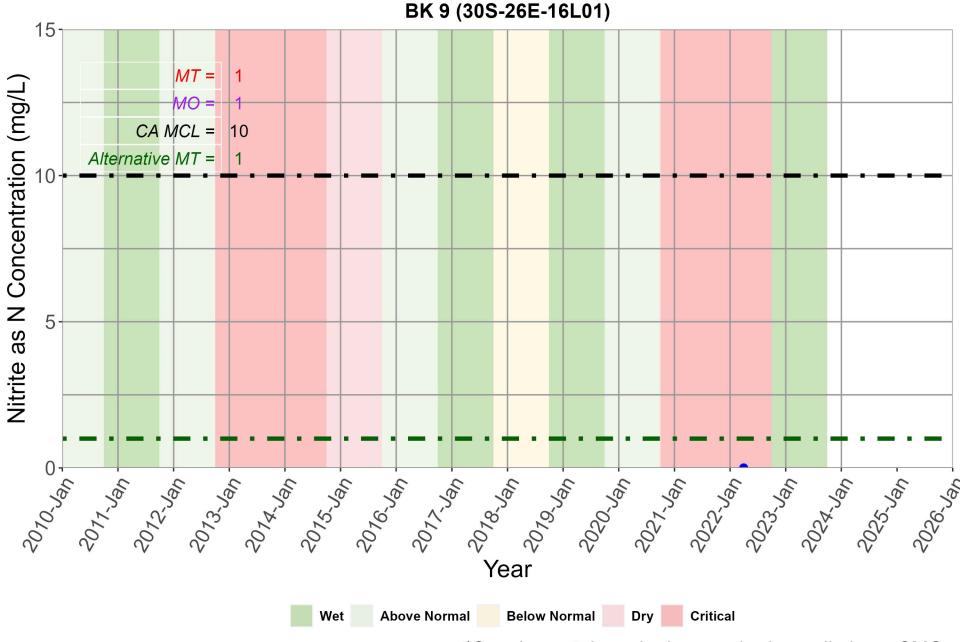
25 N Concentration (mg/L) 10 MO ŧ 10 20 CA MCL = 10 Alternative MT = 10 15-10 as Nitrate 5 ⁷96¹431 ⁷97¹431 ⁷97¹431 ⁷96¹431 ⁷986¹431 ⁷986¹ Year Above Normal Below Normal Dry Wet Critical

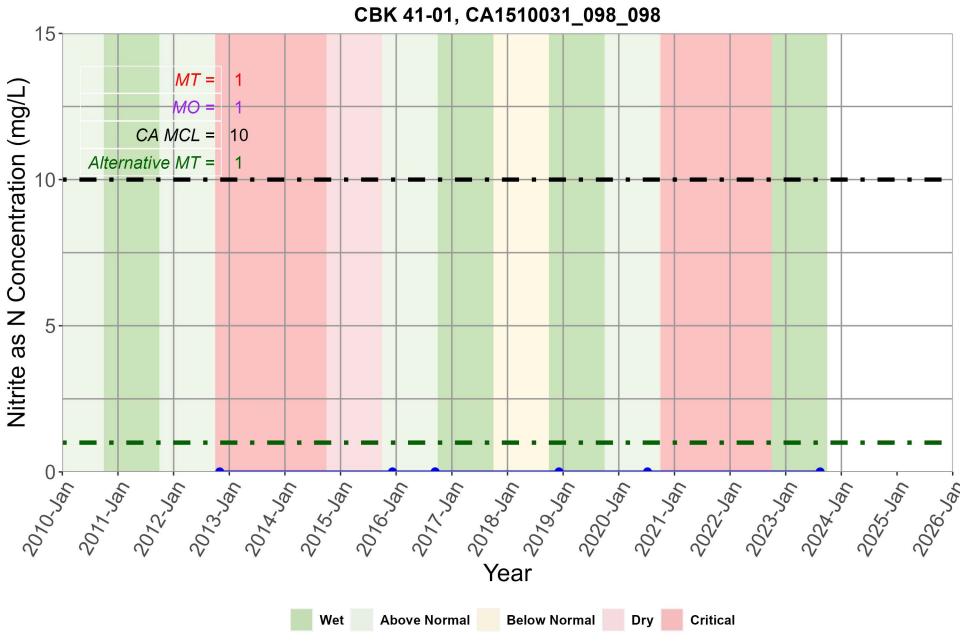
Well 4D1, AGC100012326-KRWCA00004

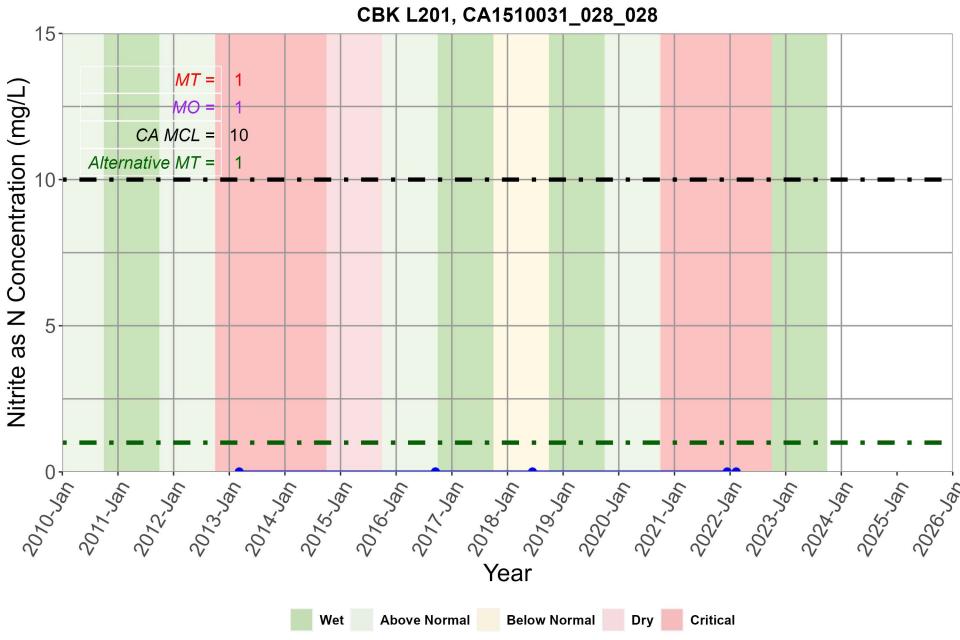


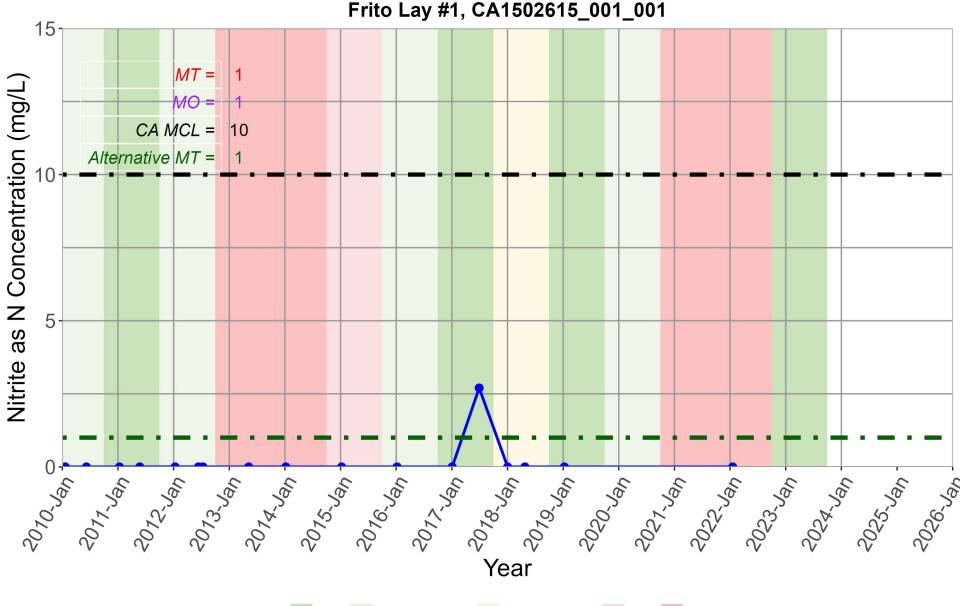
1.3 Nitrite





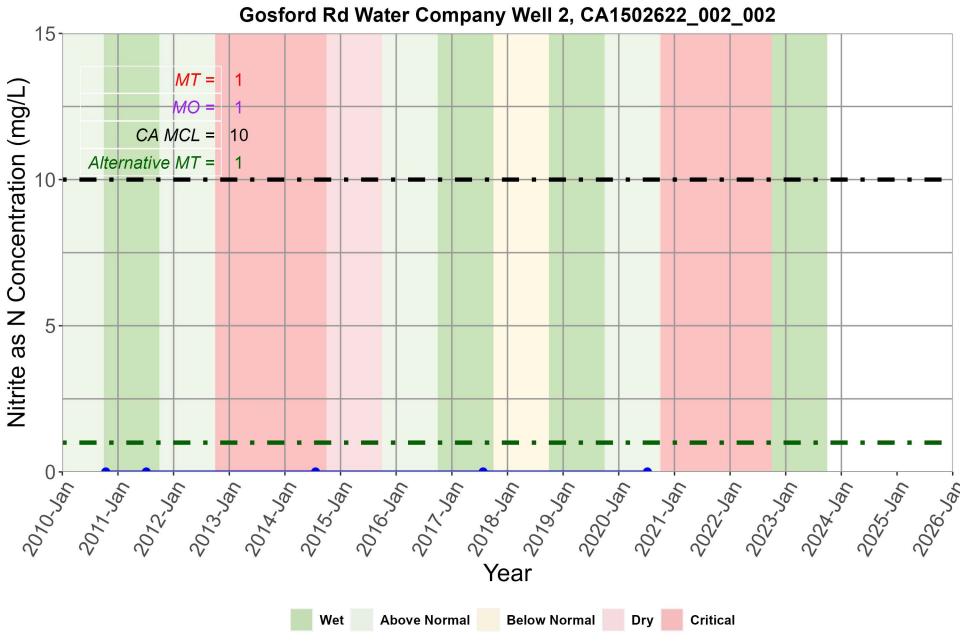


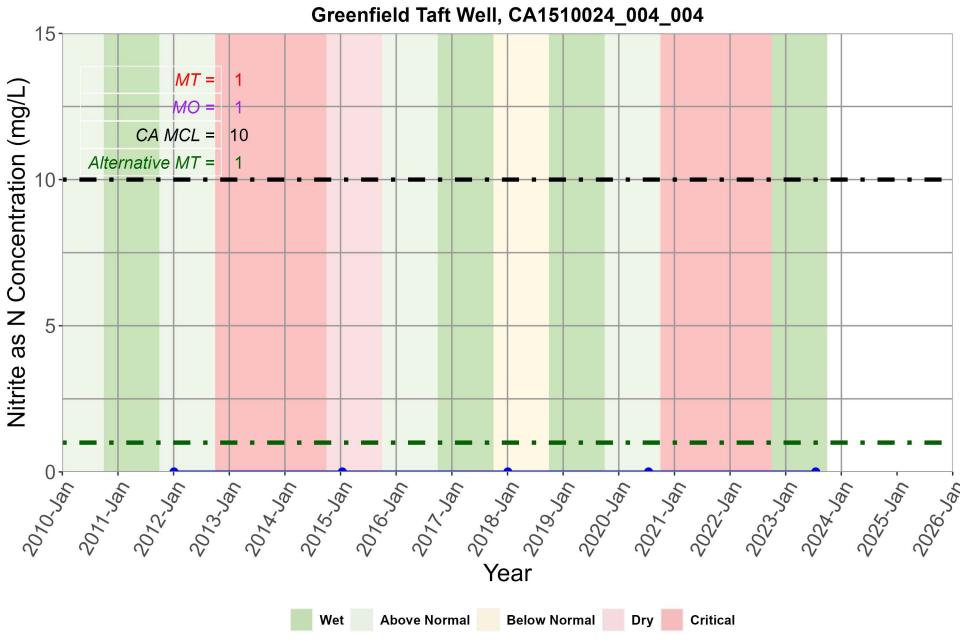


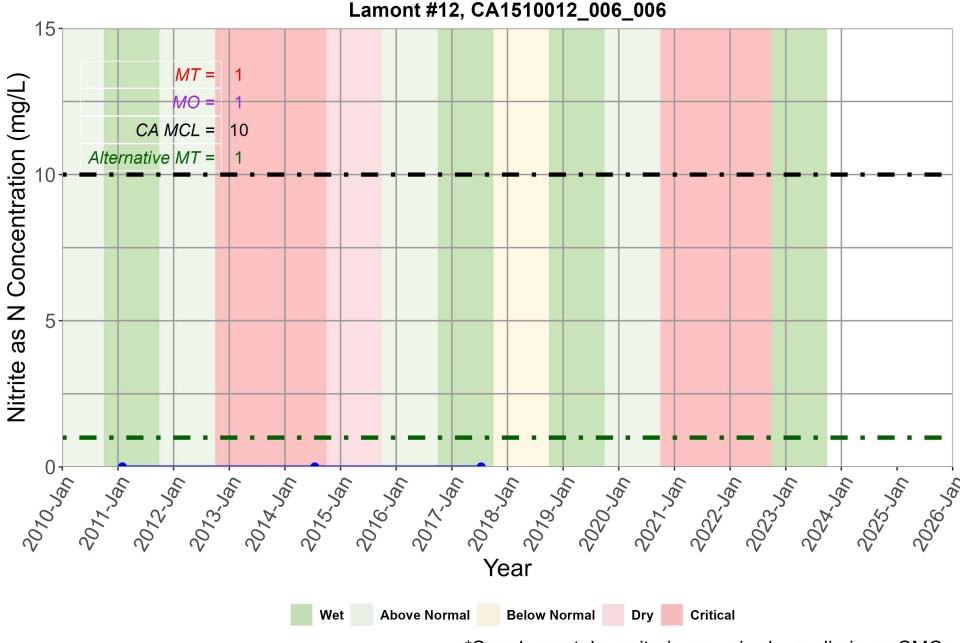


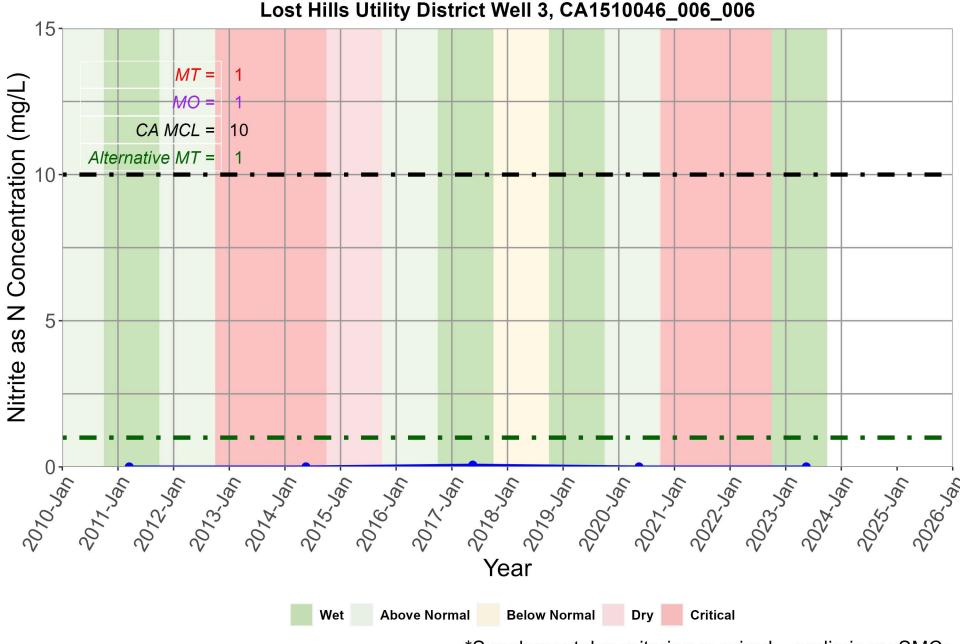
Dry

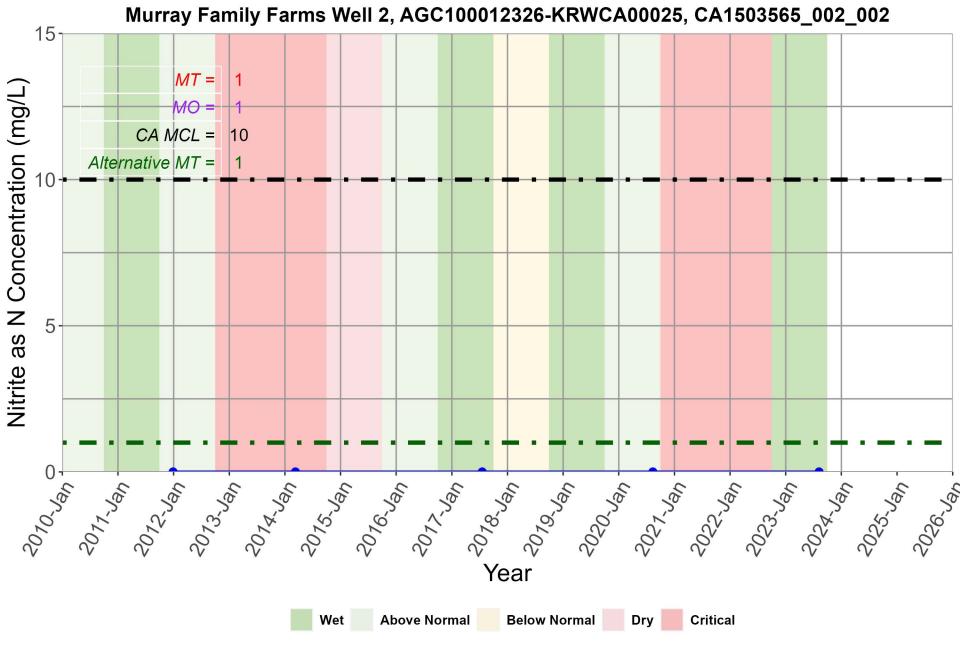
Critical

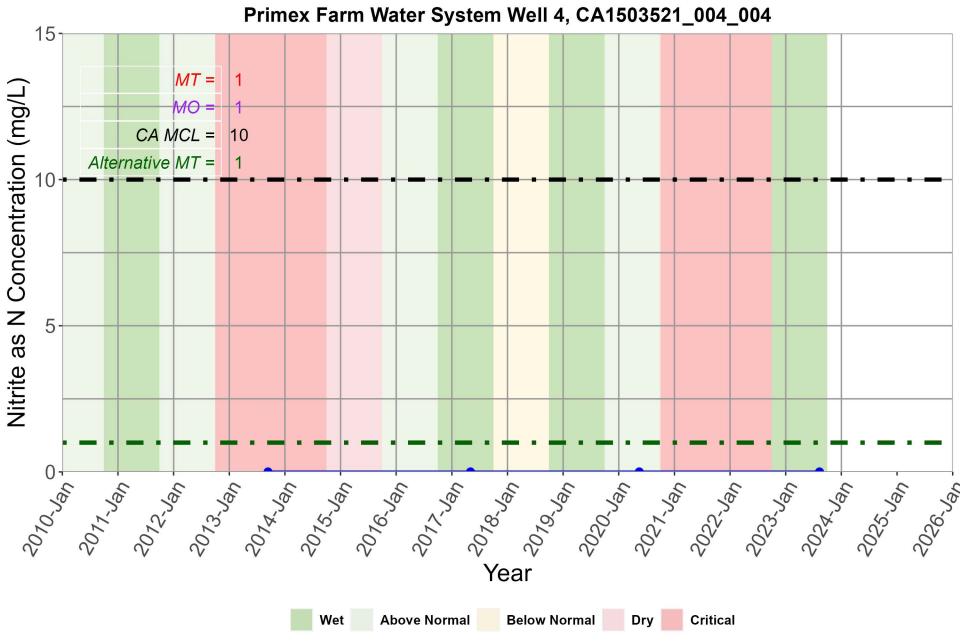


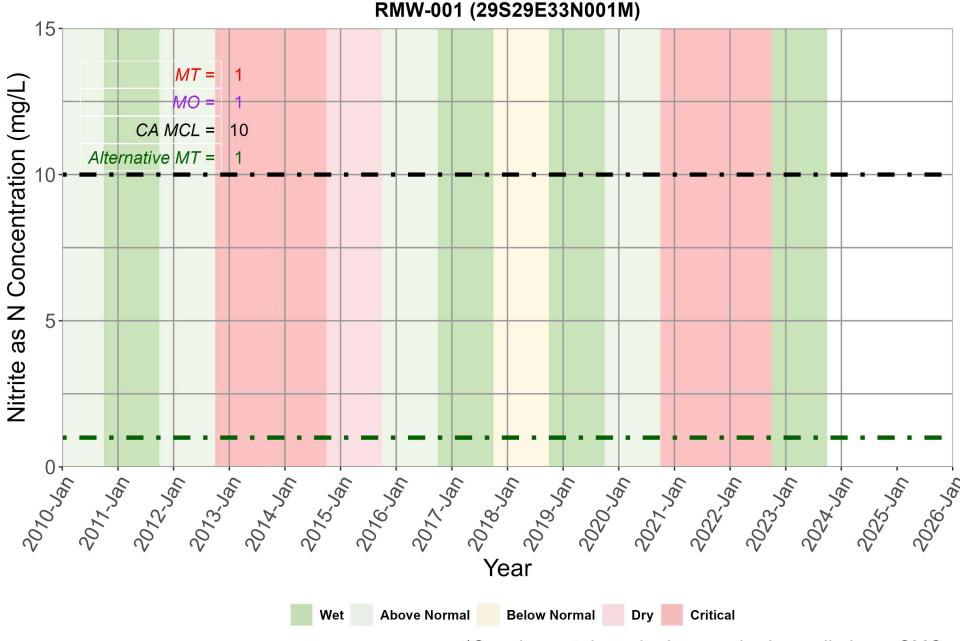


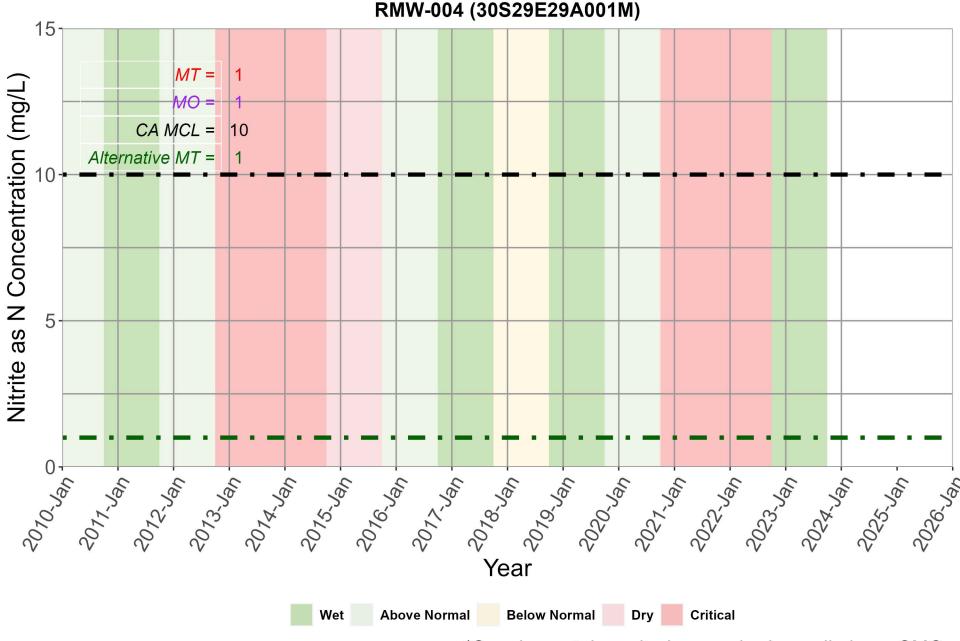




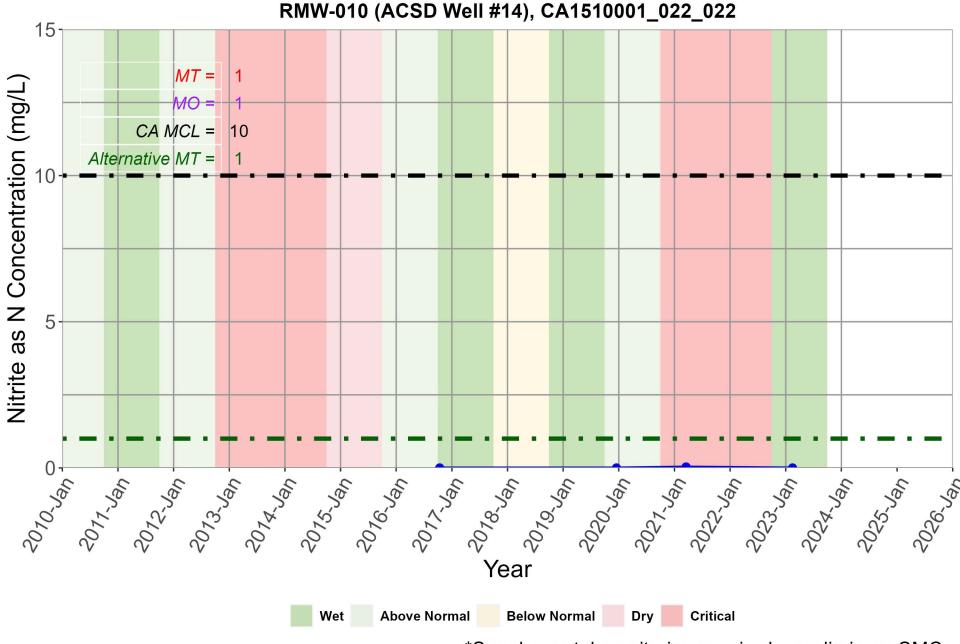


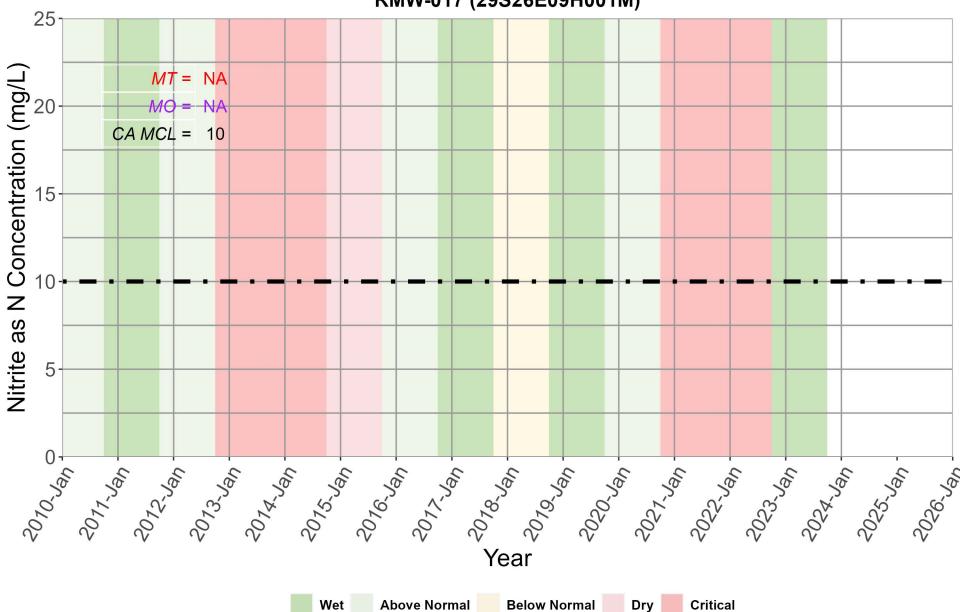




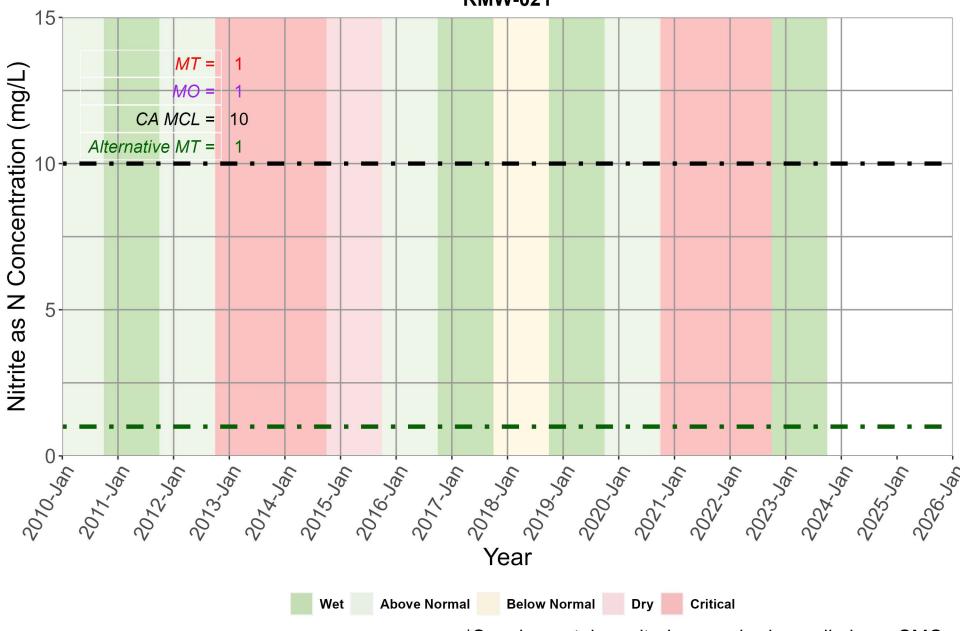


^{*}Supplemental monitoring required – preliminary SMCs

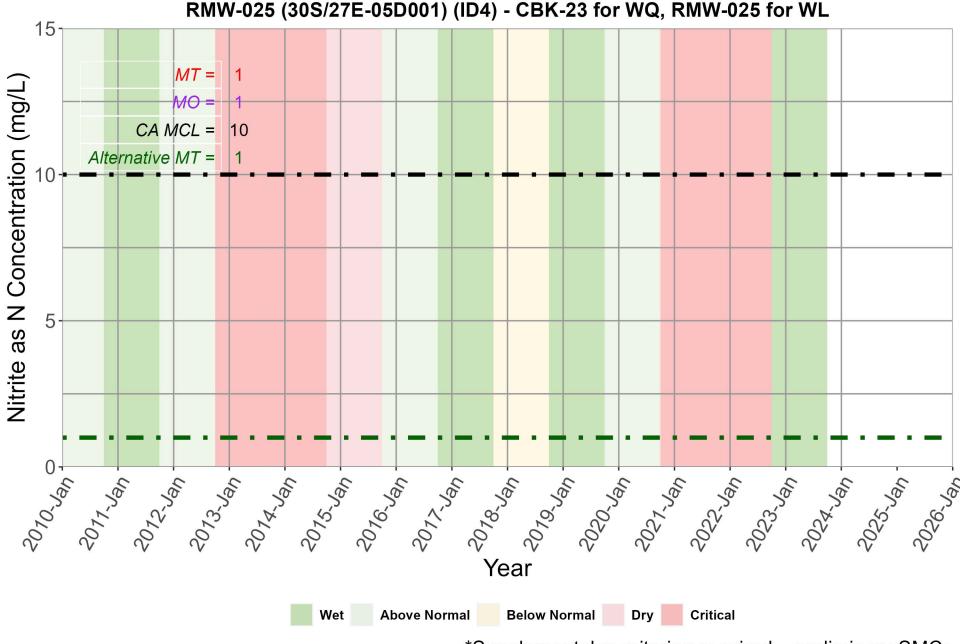


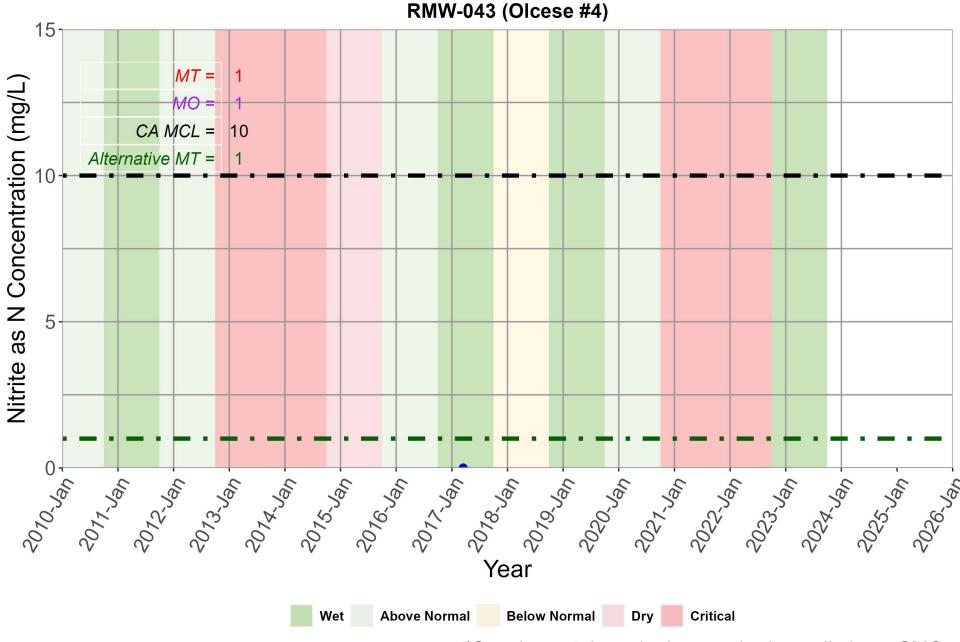


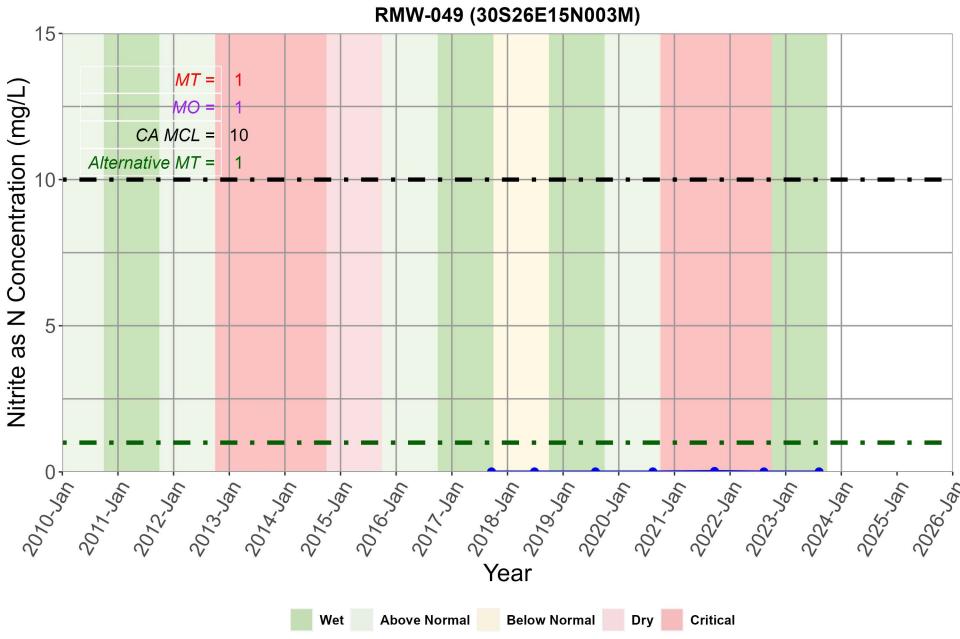
RMW-017 (29S26E09H001M)

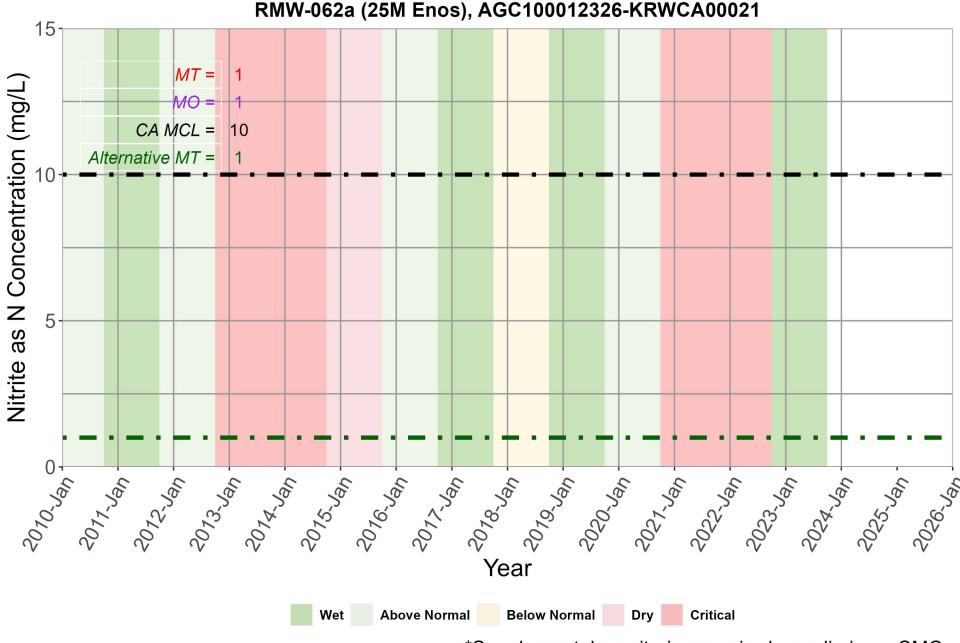


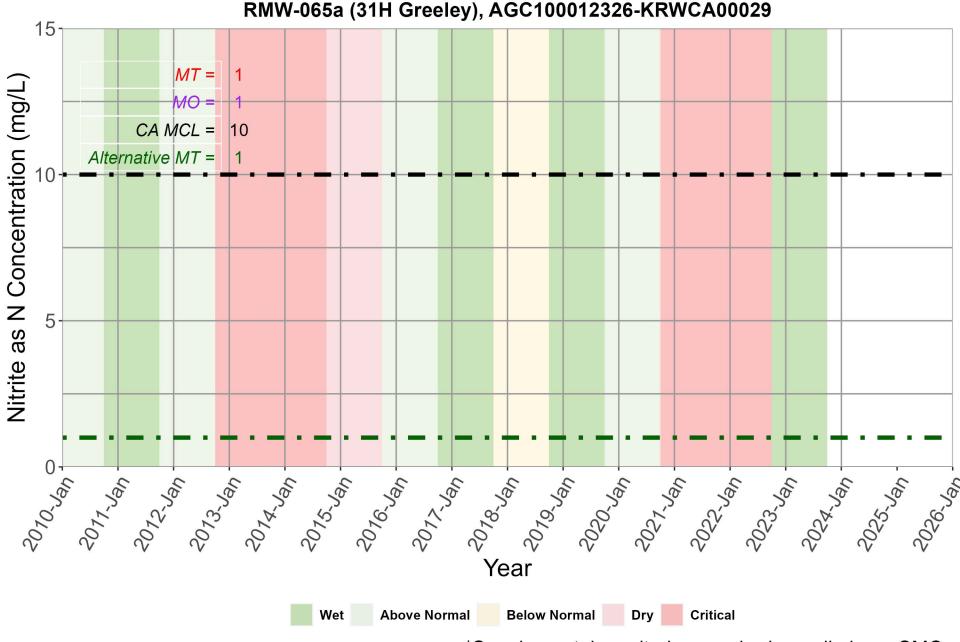
RMW-021

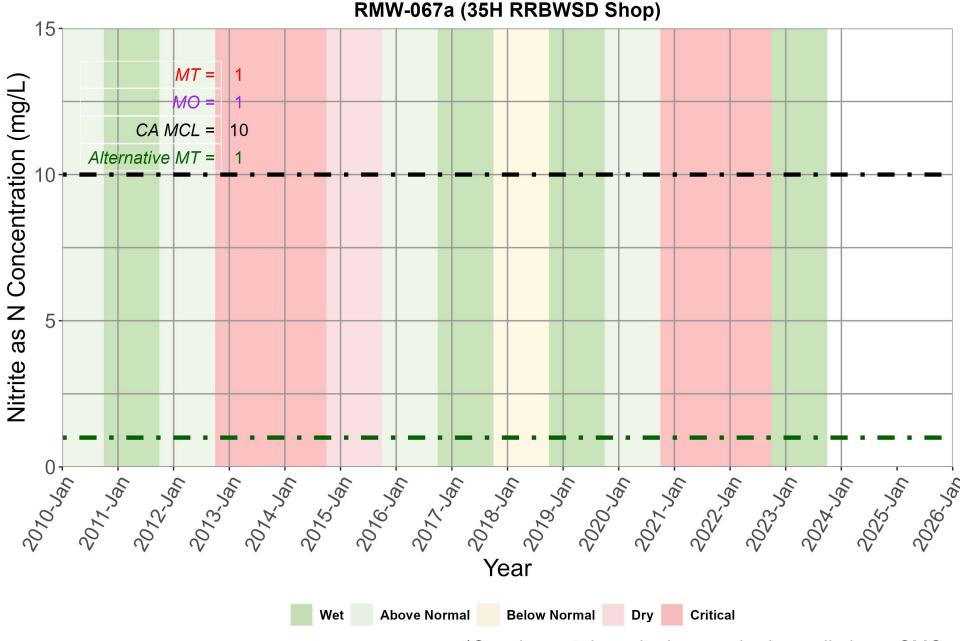


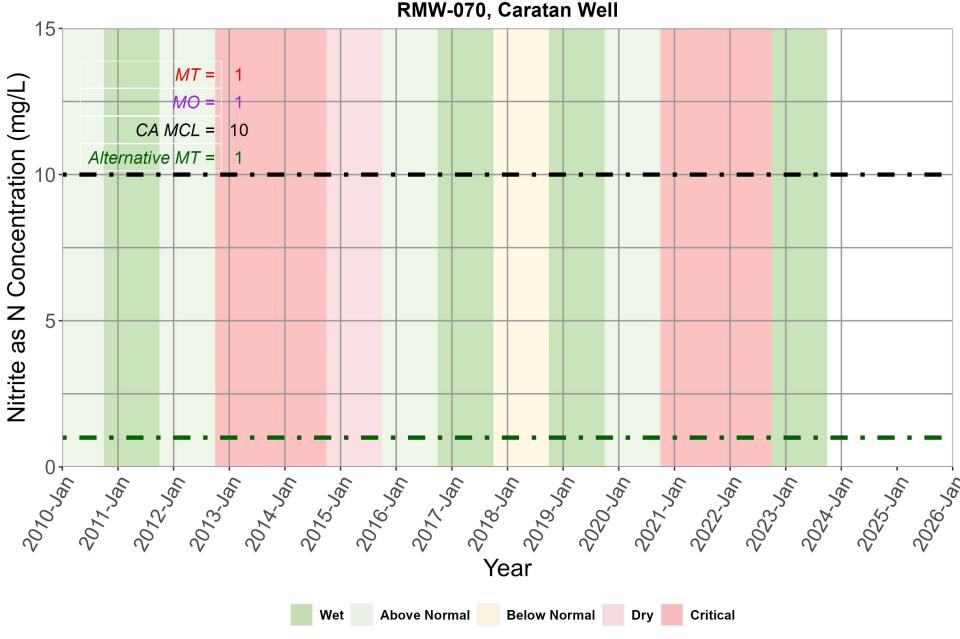


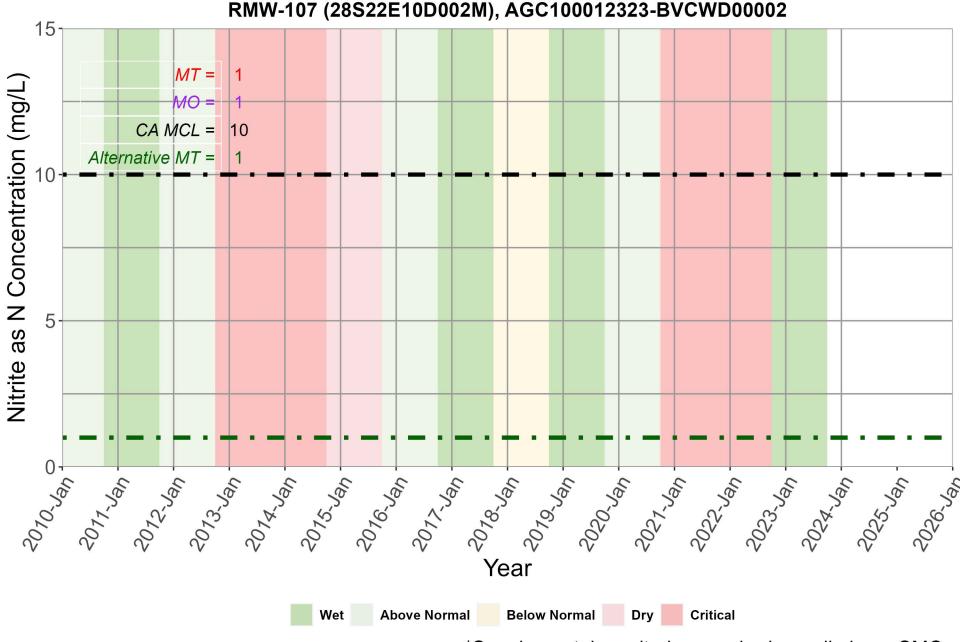


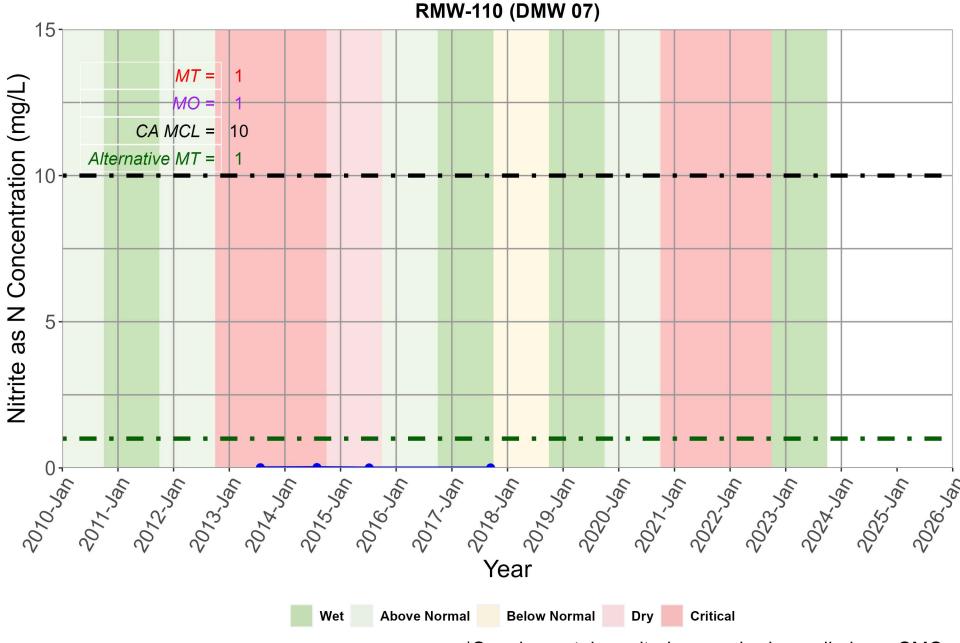


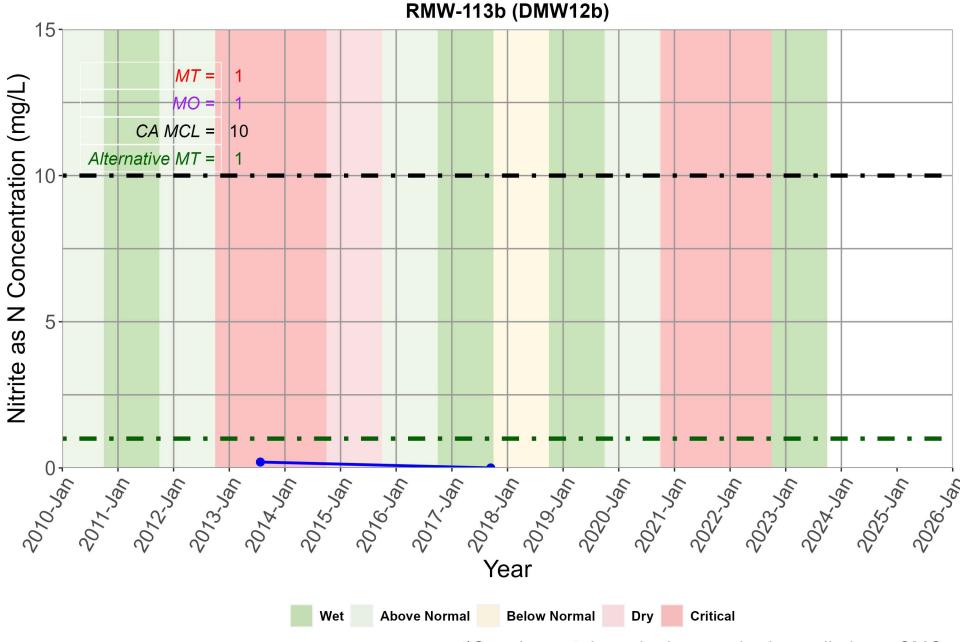




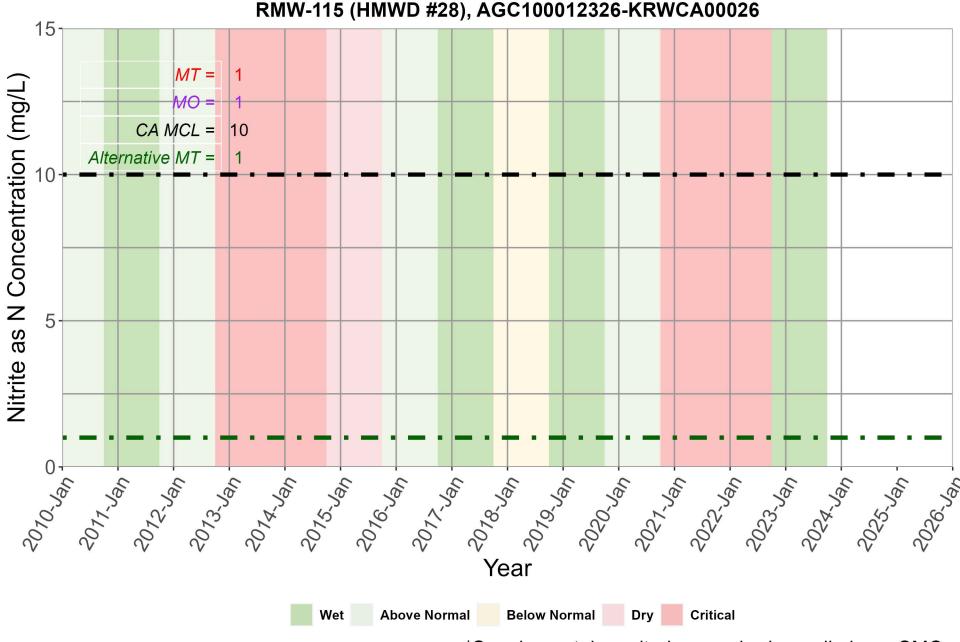


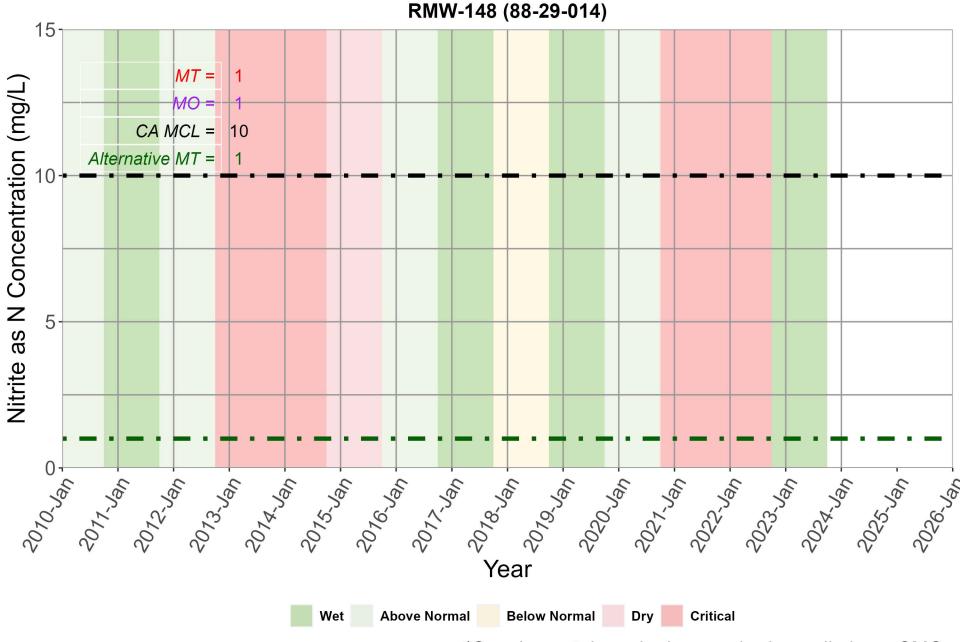


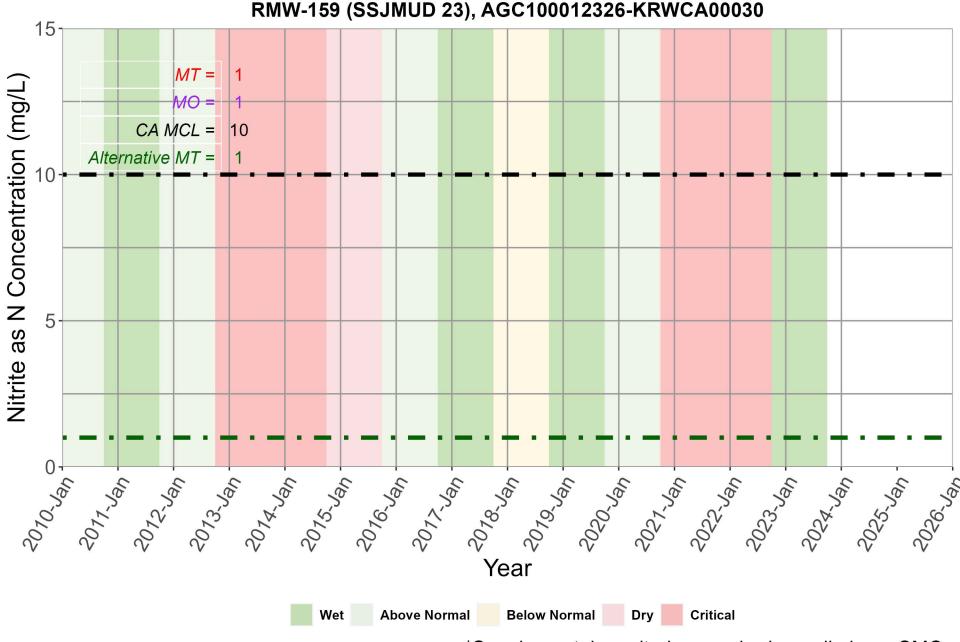


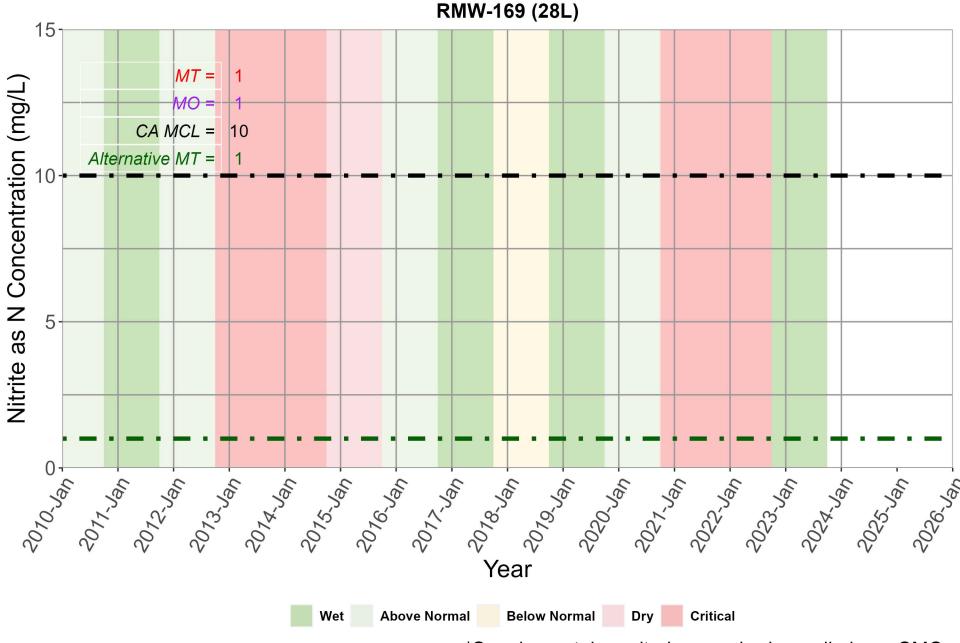


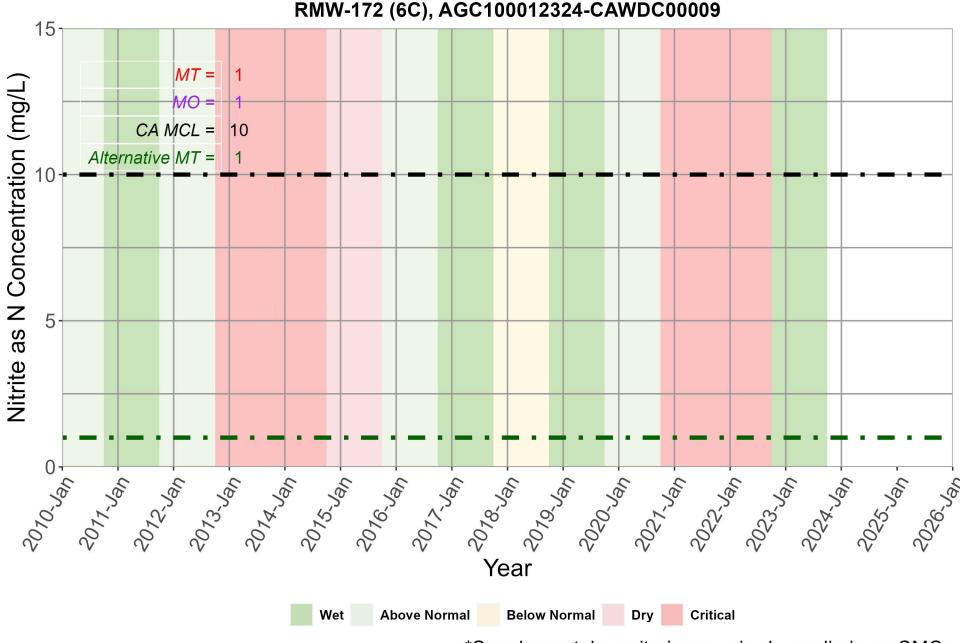
^{*}Supplemental monitoring required – preliminary SMCs

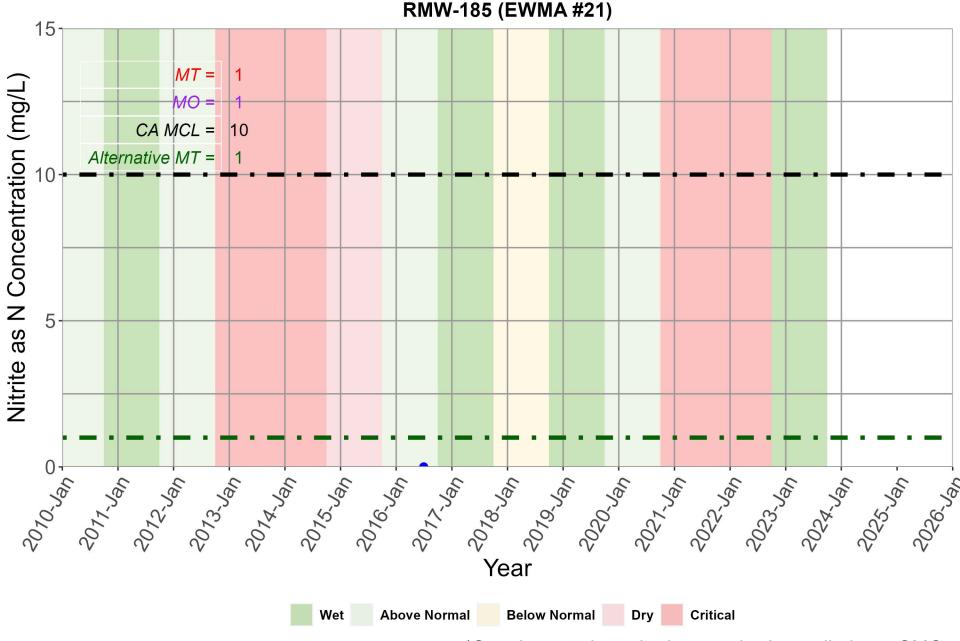


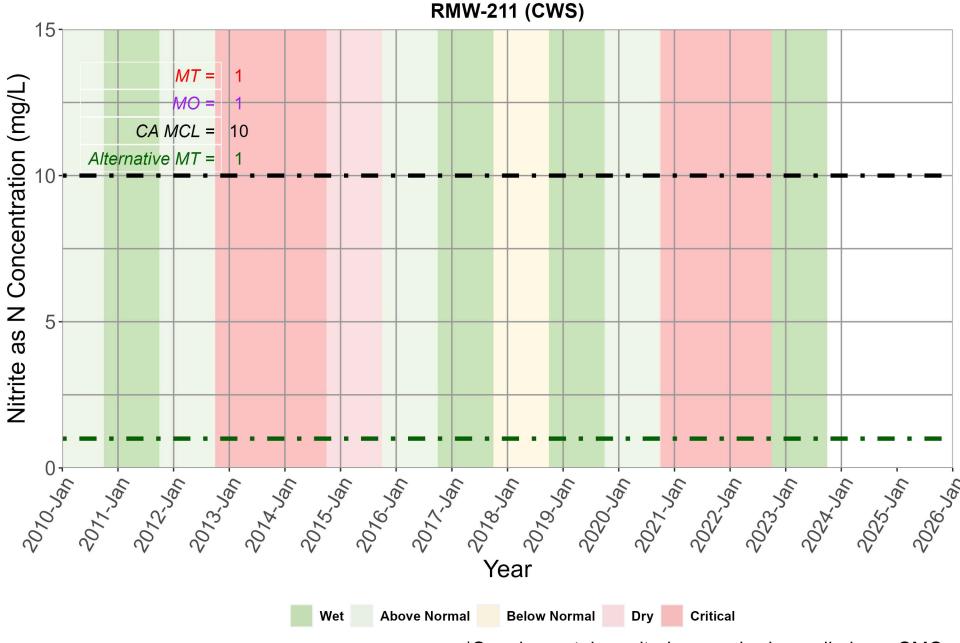


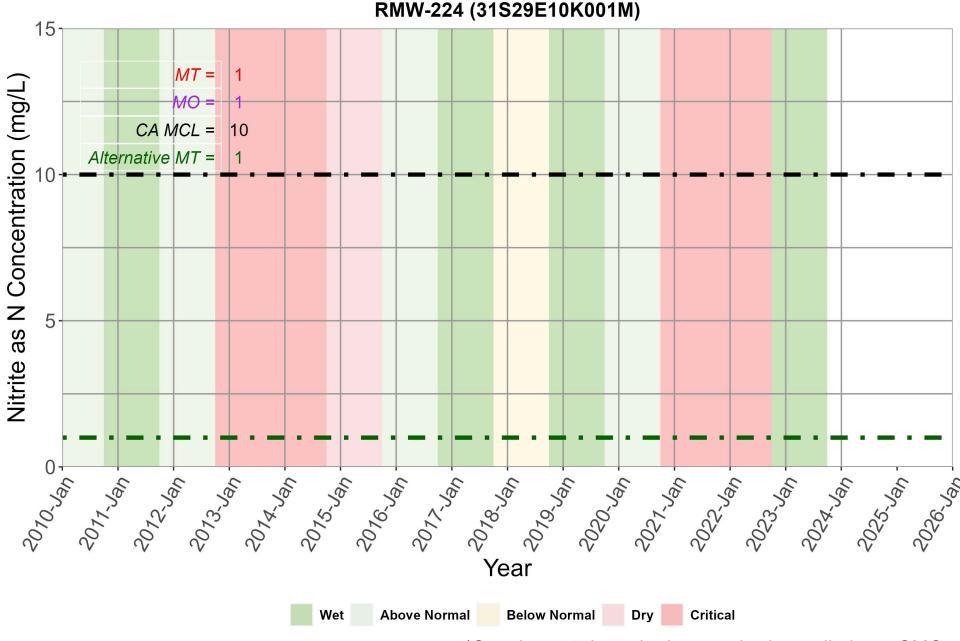


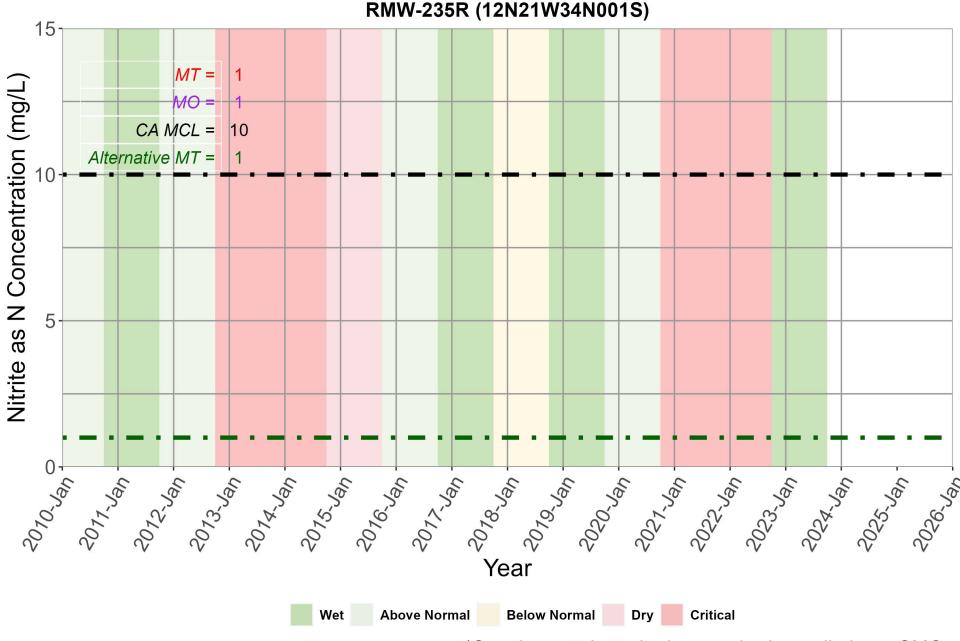


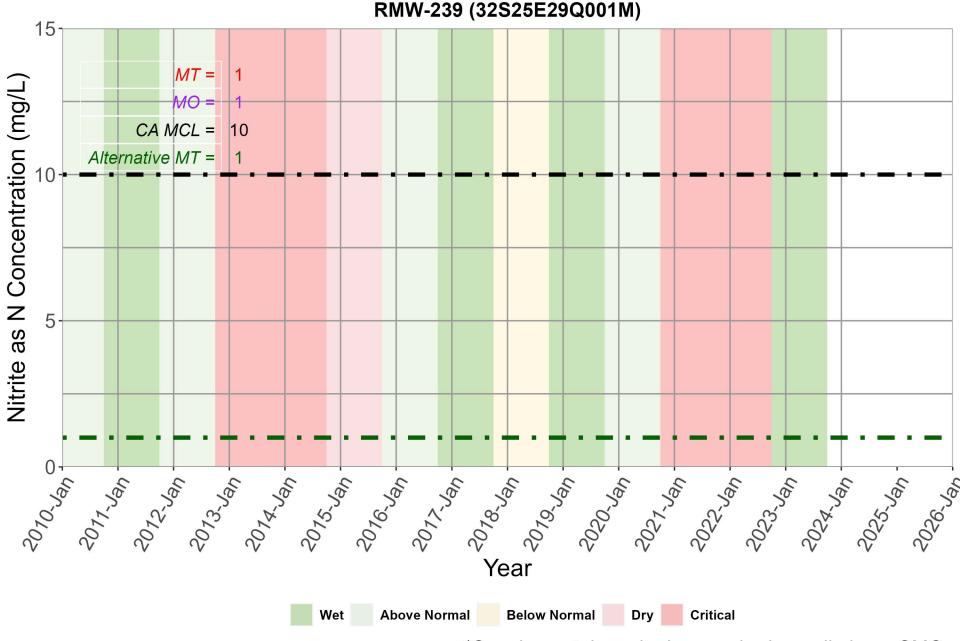


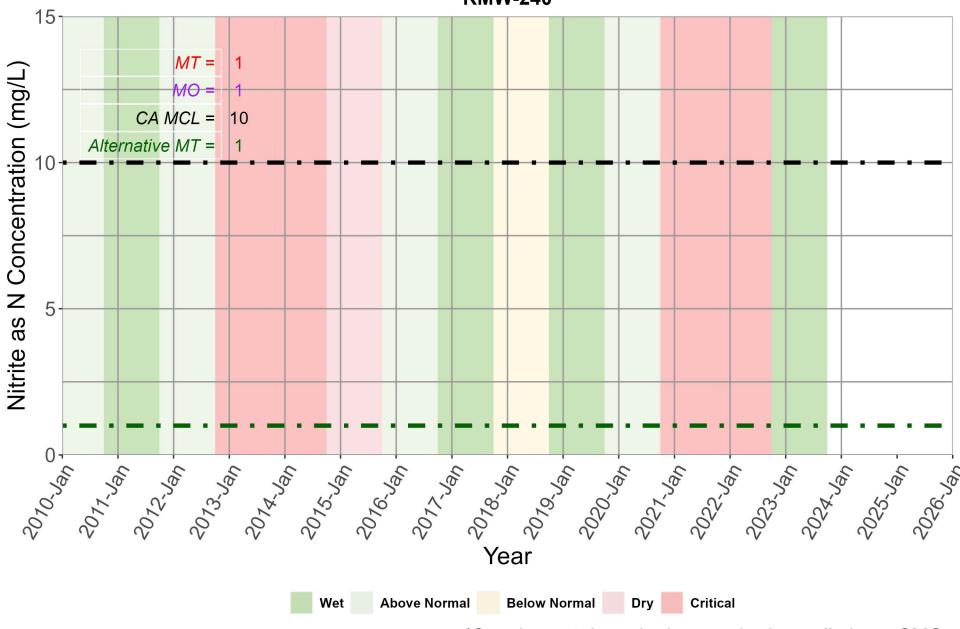




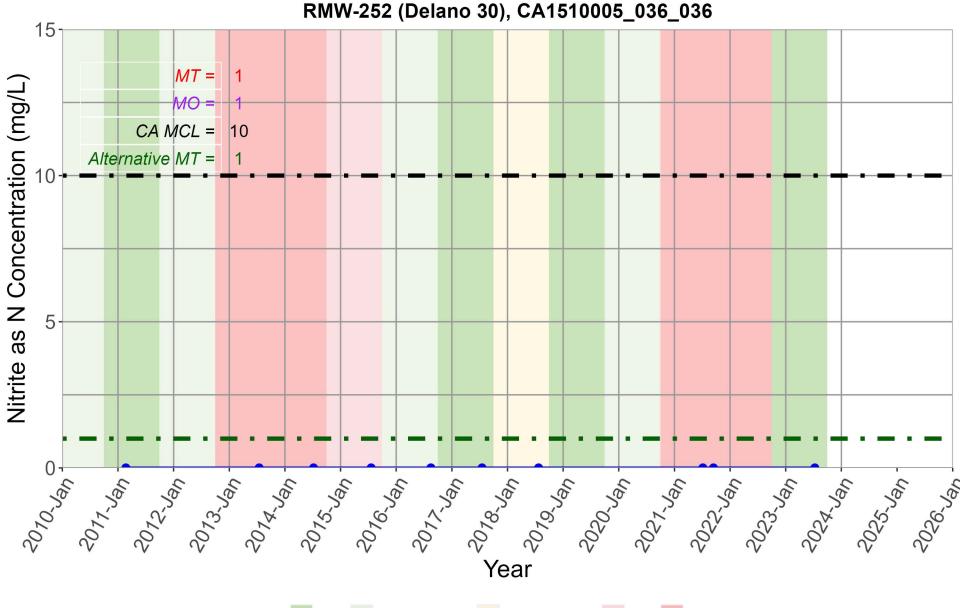


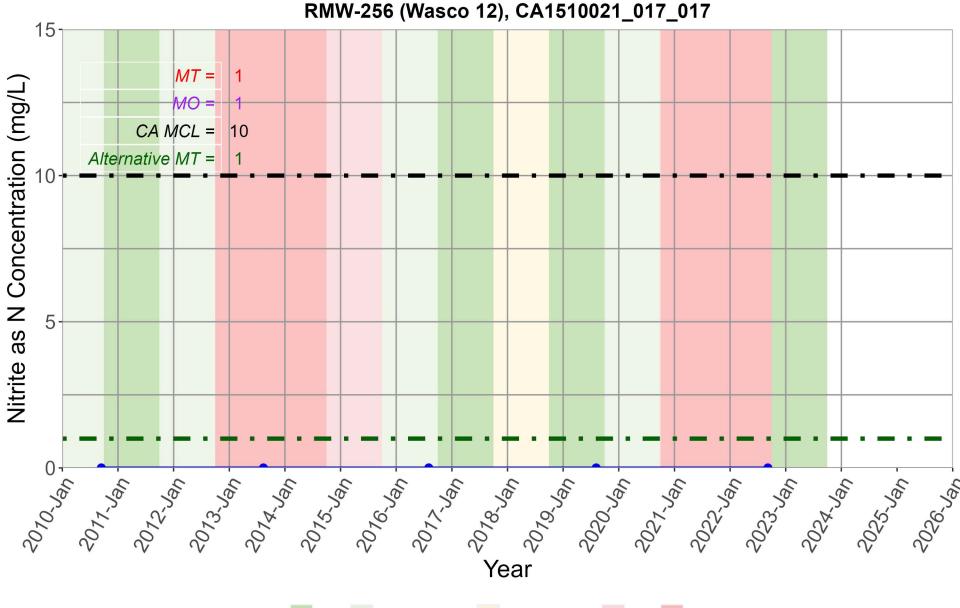




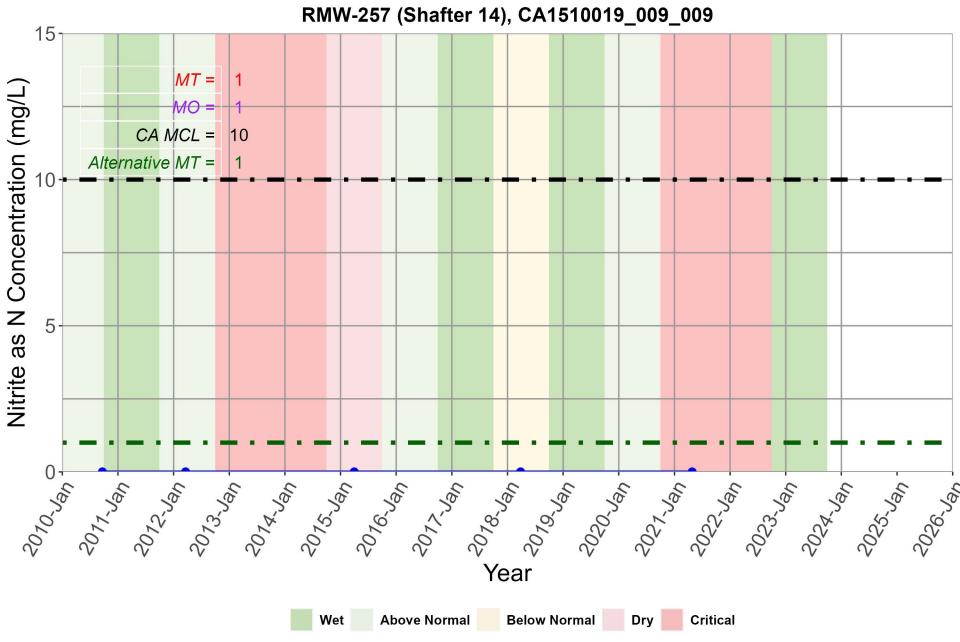


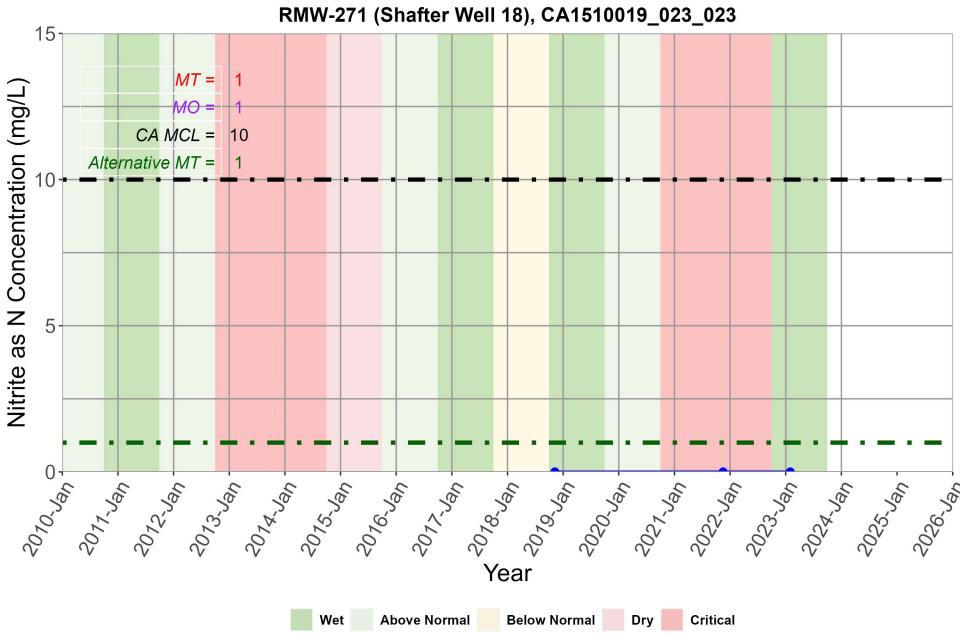
RMW-240

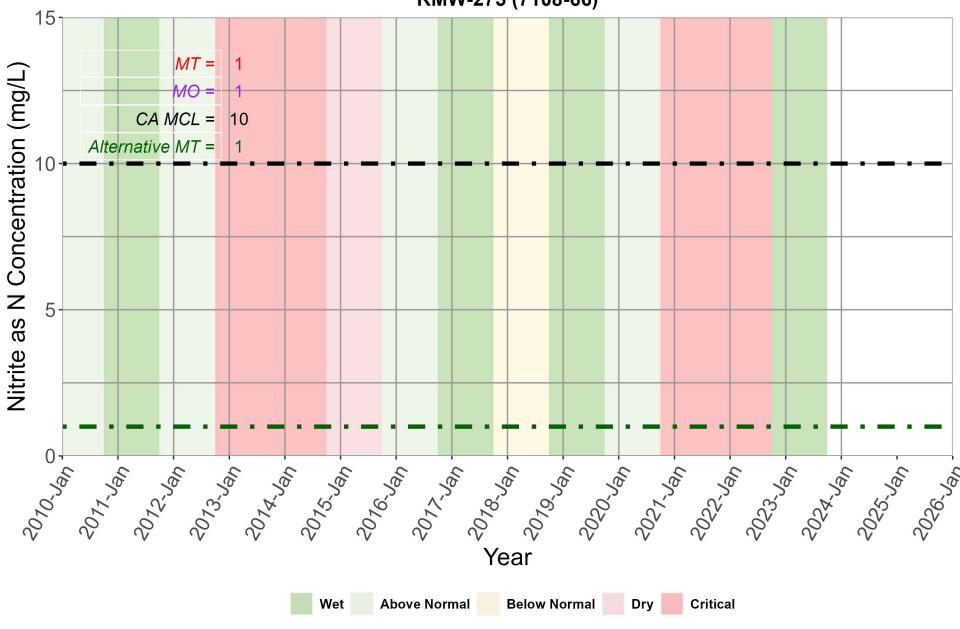




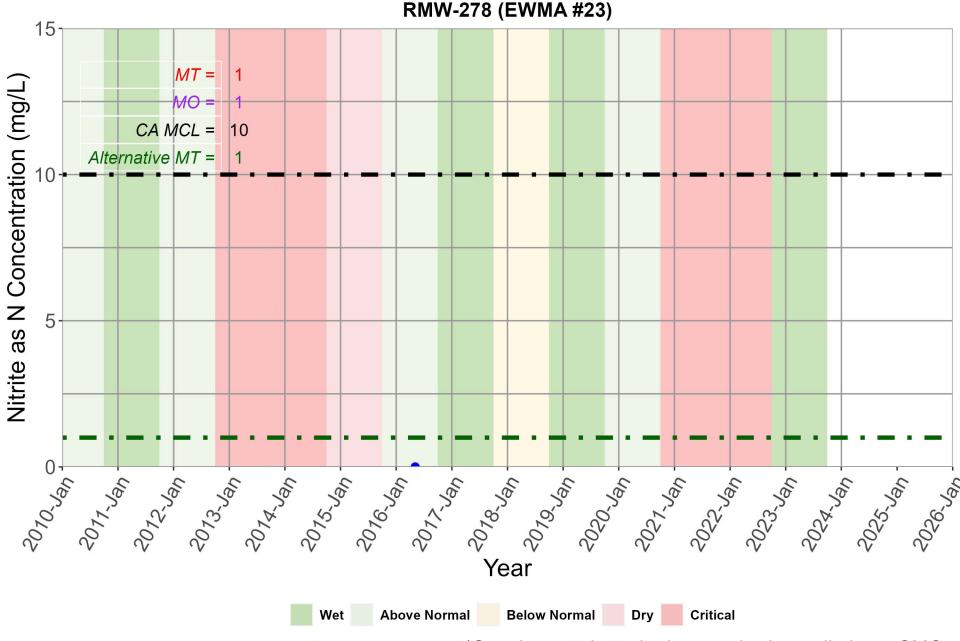
Critical

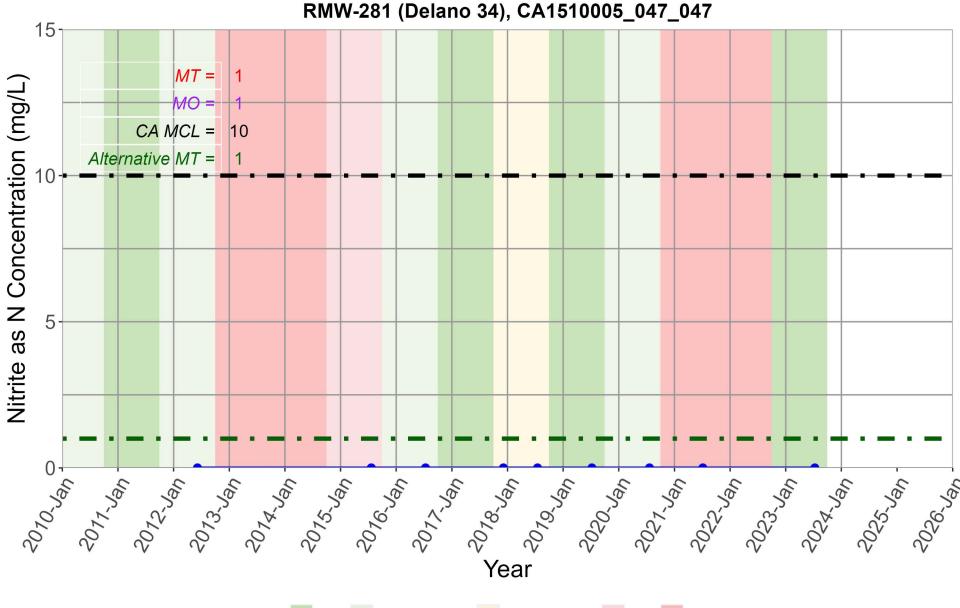




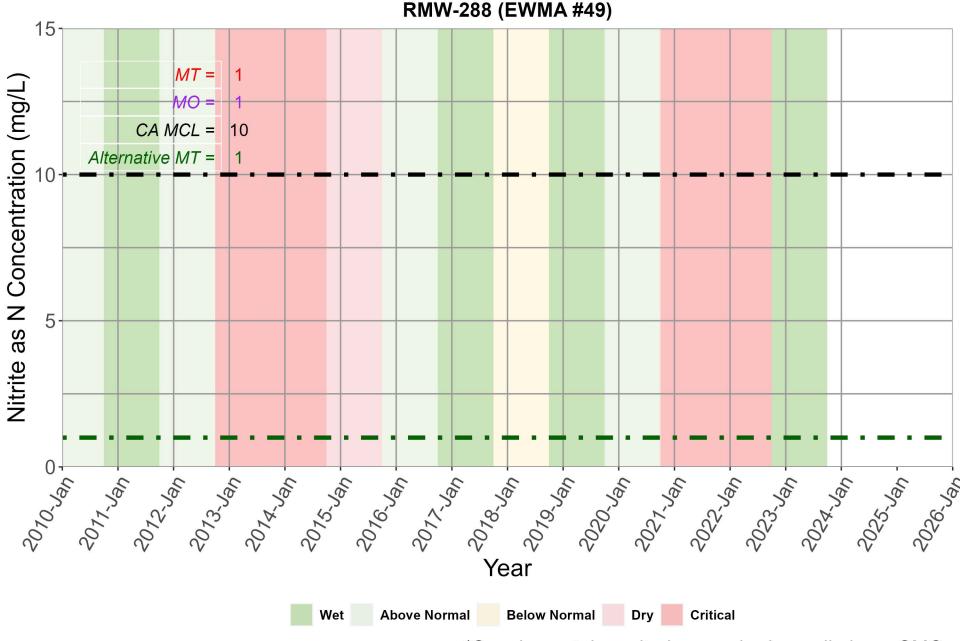


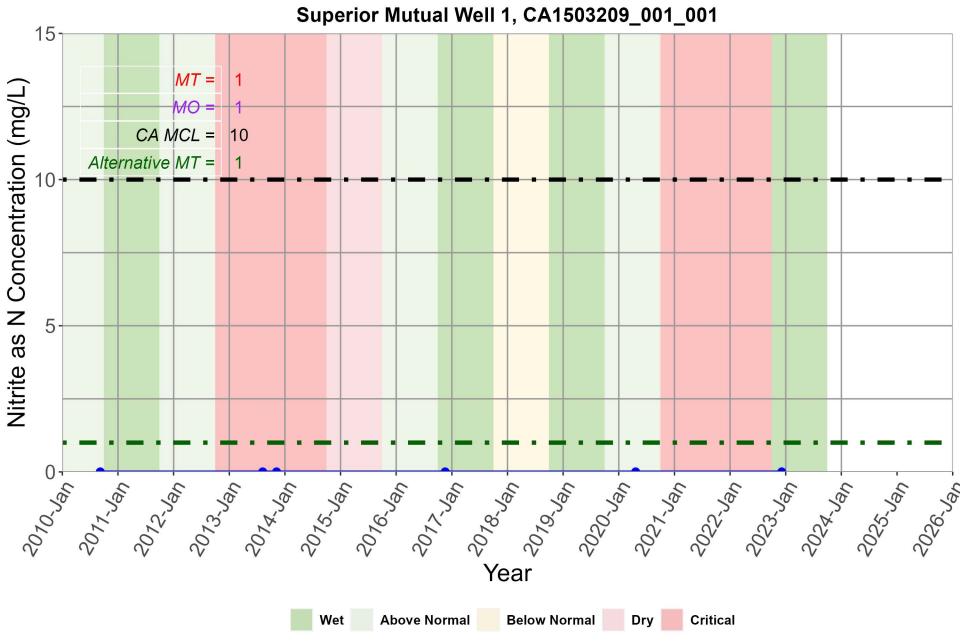
RMW-275 (7108-66)

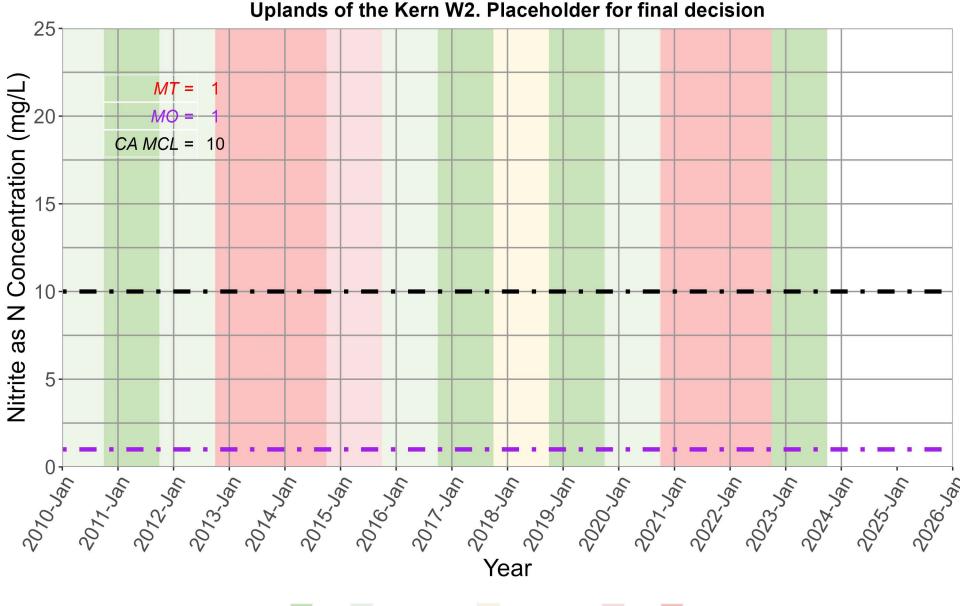




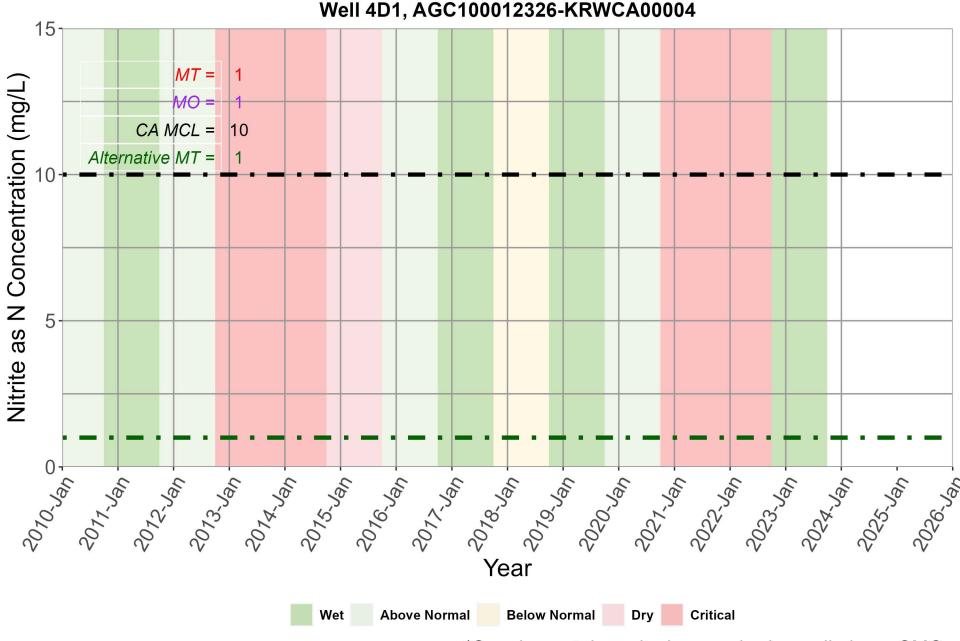
Critical

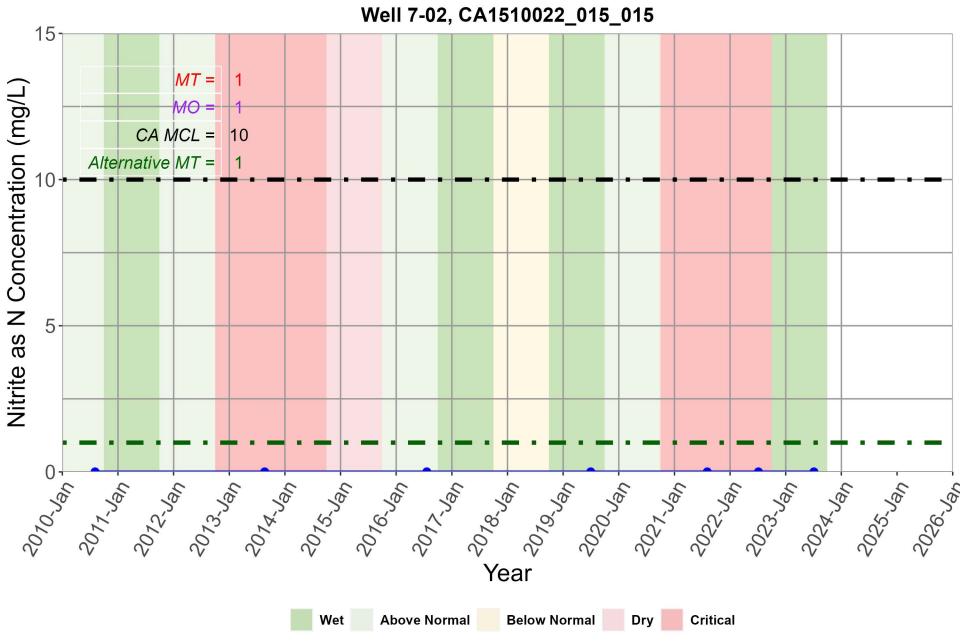


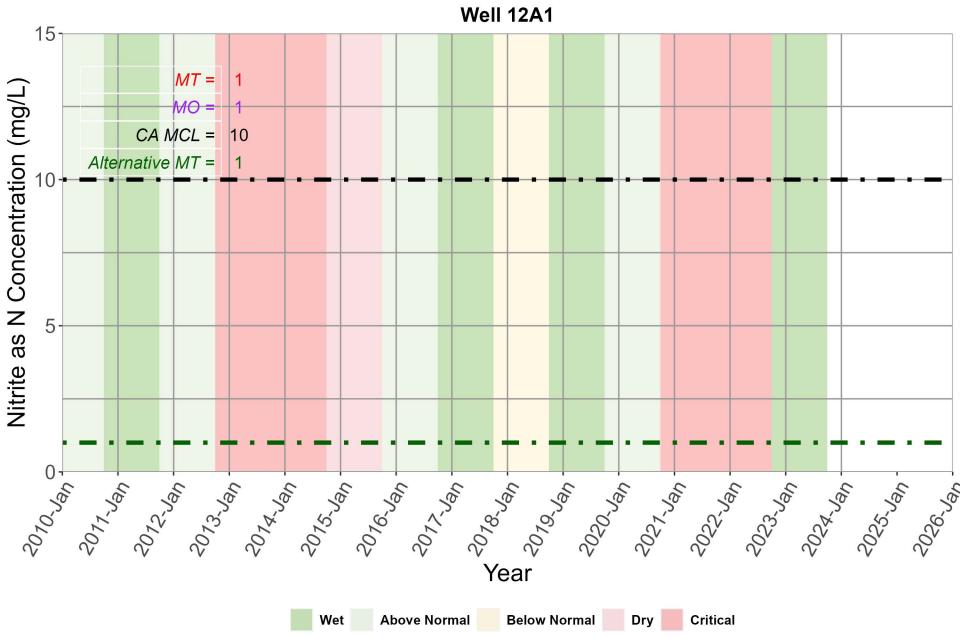


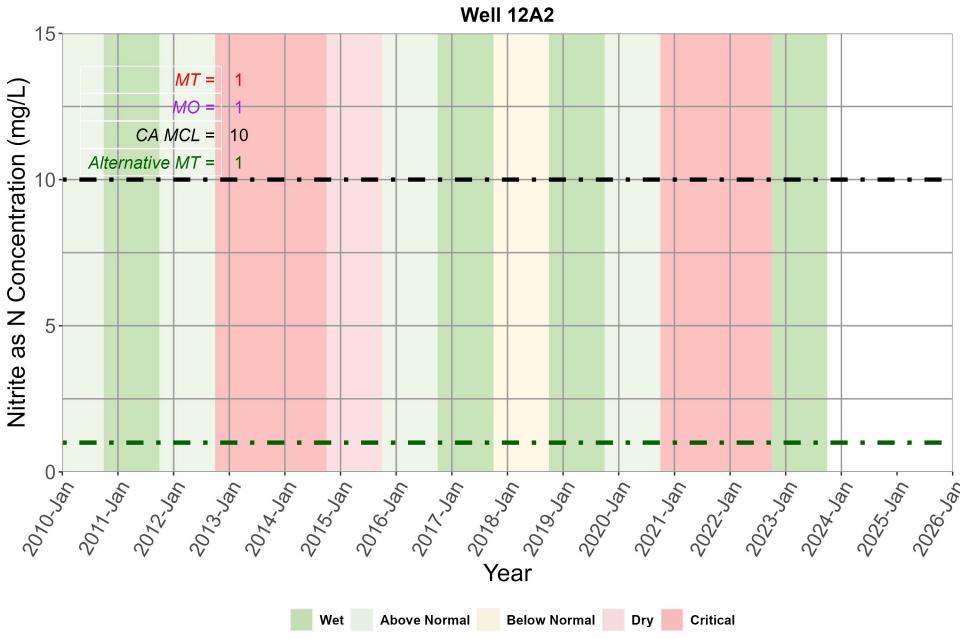


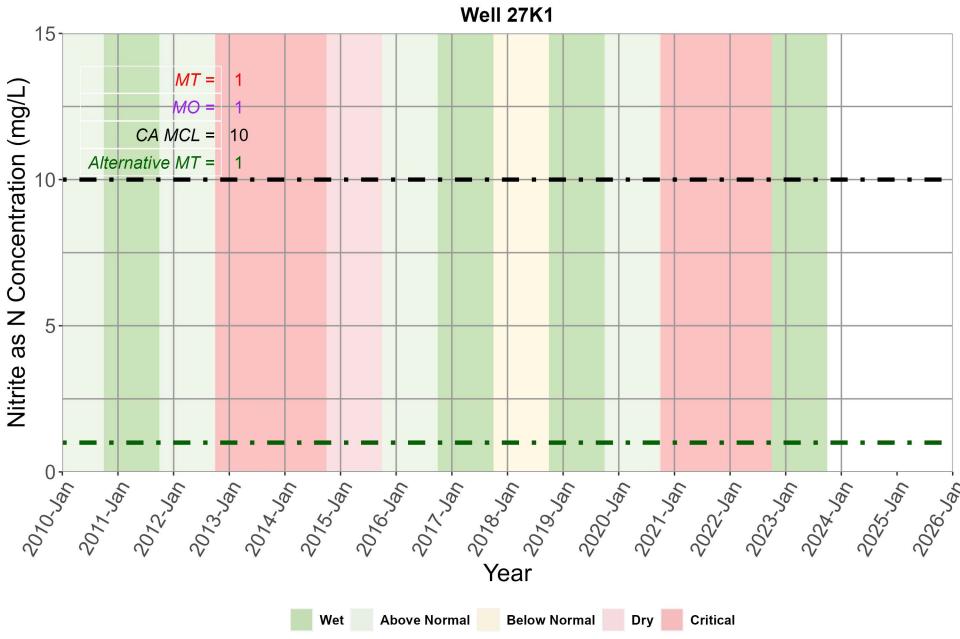
Critical



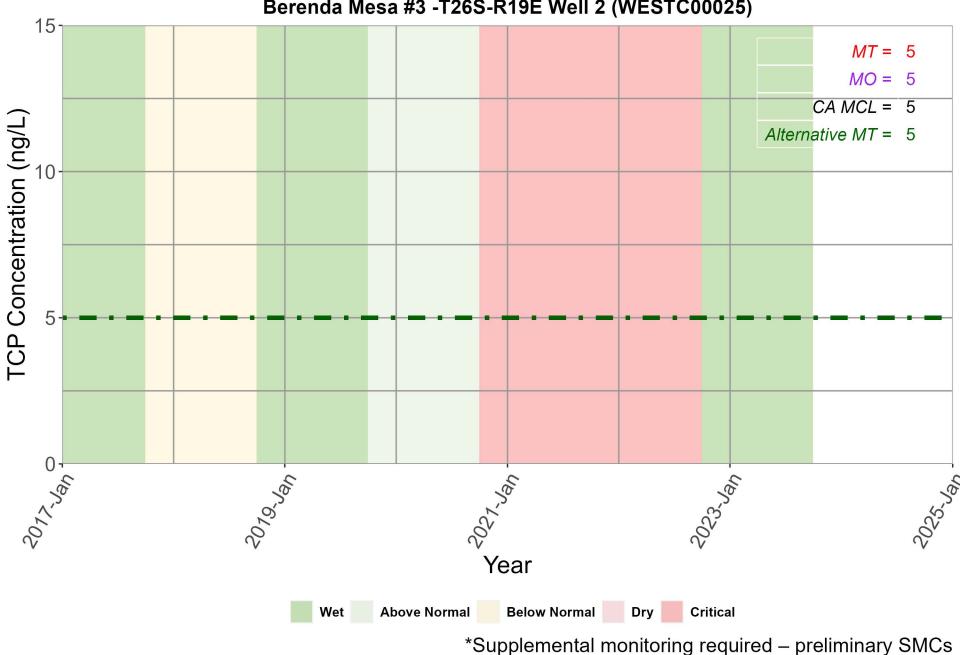






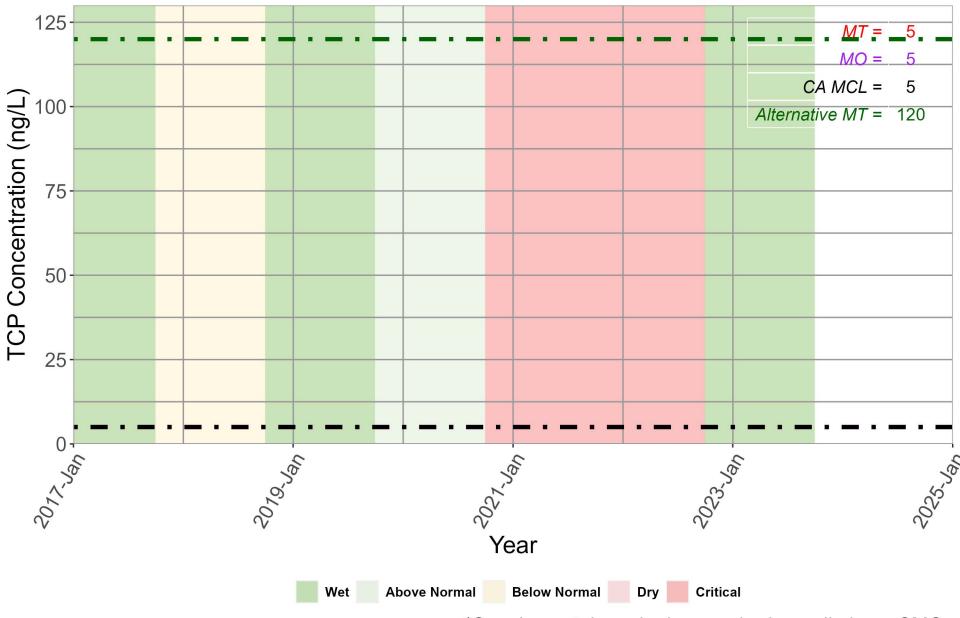


1.4 1,2,3-Trichloropropane (TCP)

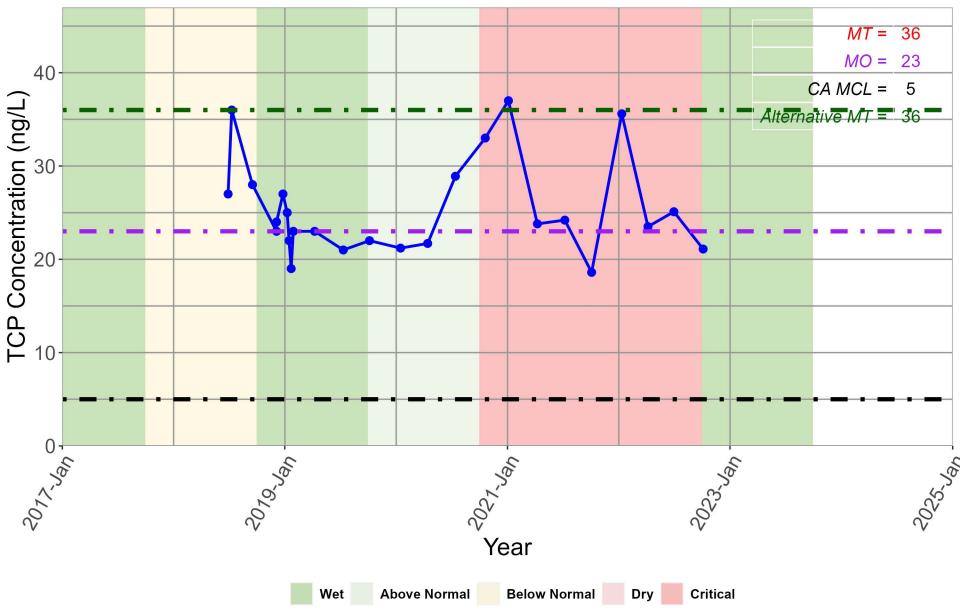


Berenda Mesa #3 -T26S-R19E Well 2 (WESTC00025)

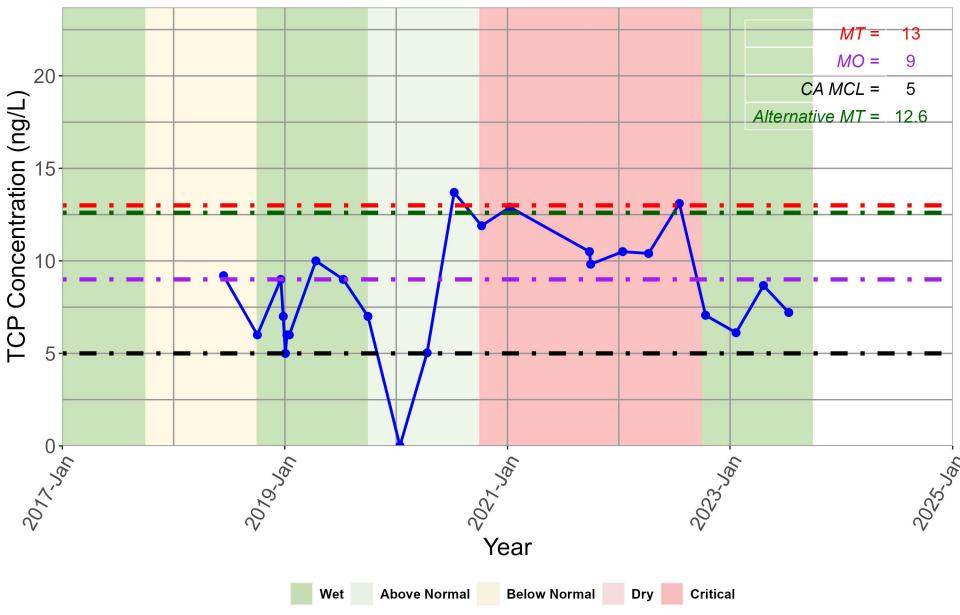
BK 9 (30S-26E-16L01)

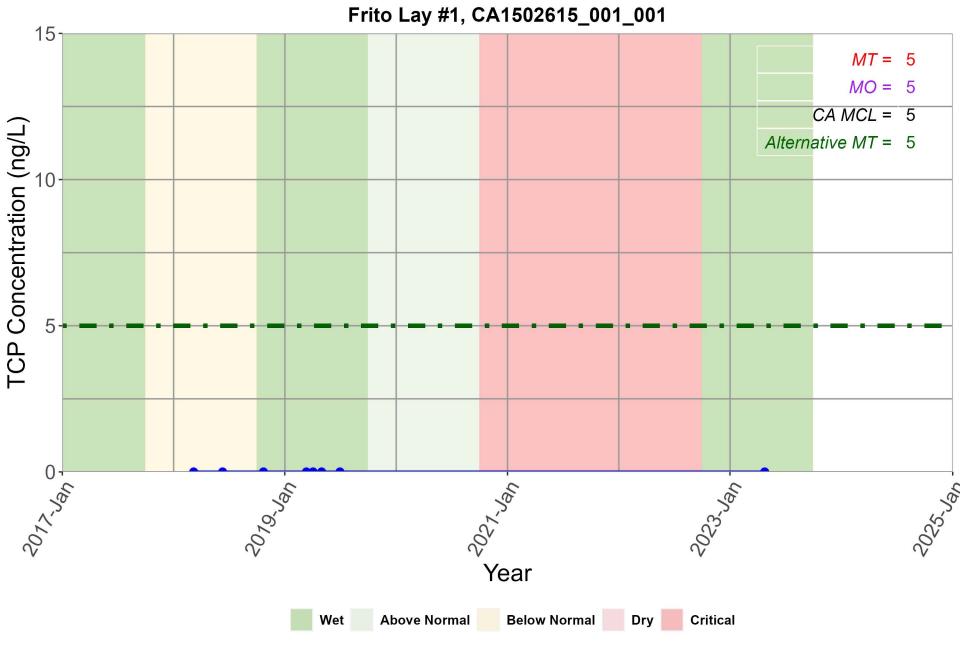


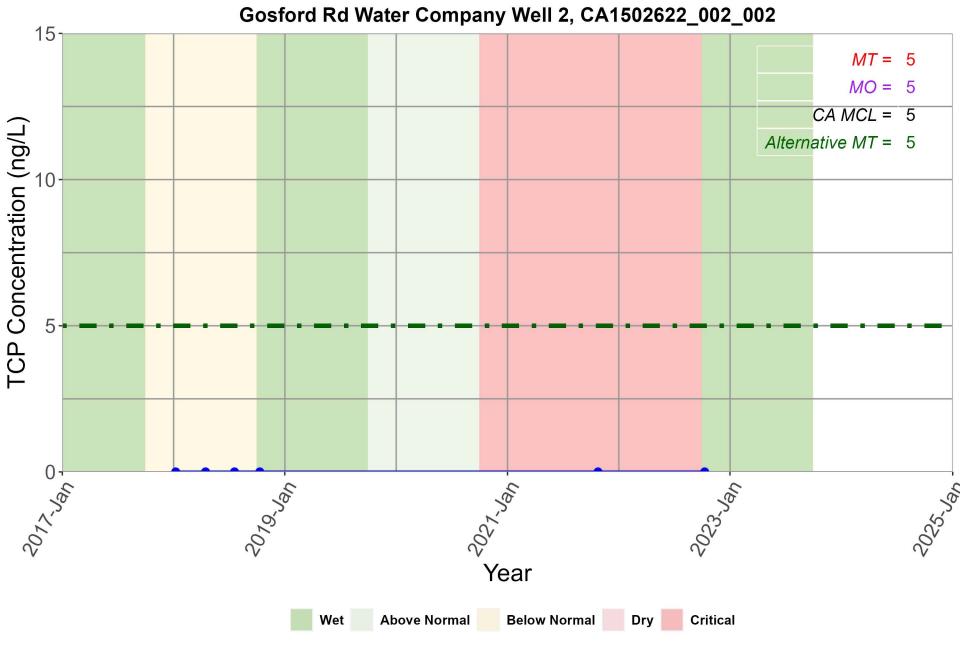
CBK 41-01, CA1510031_098_098



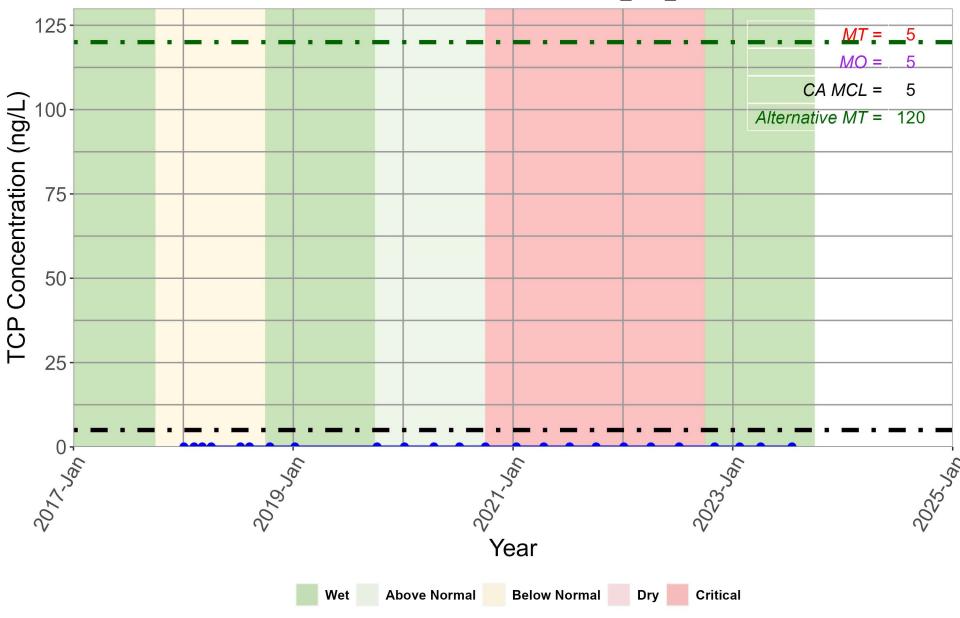
CBK L201, CA1510031_028_028

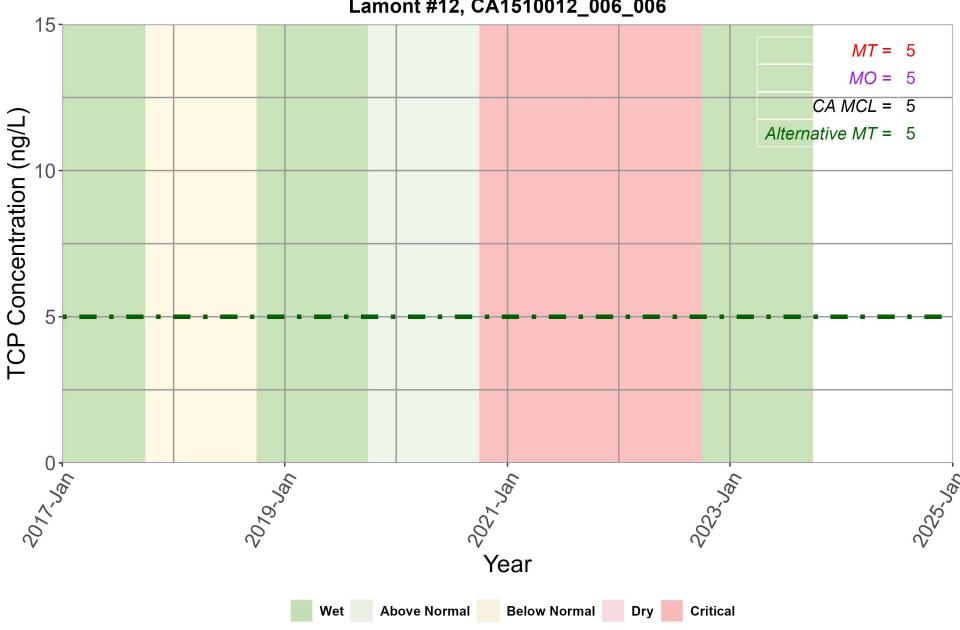






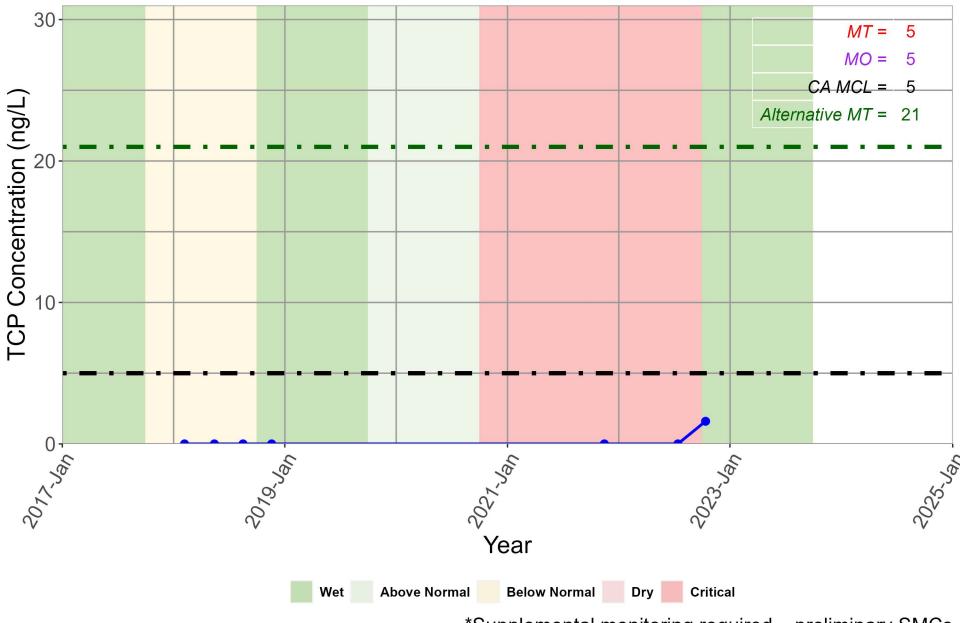
Greenfield Taft Well, CA1510024_004_004



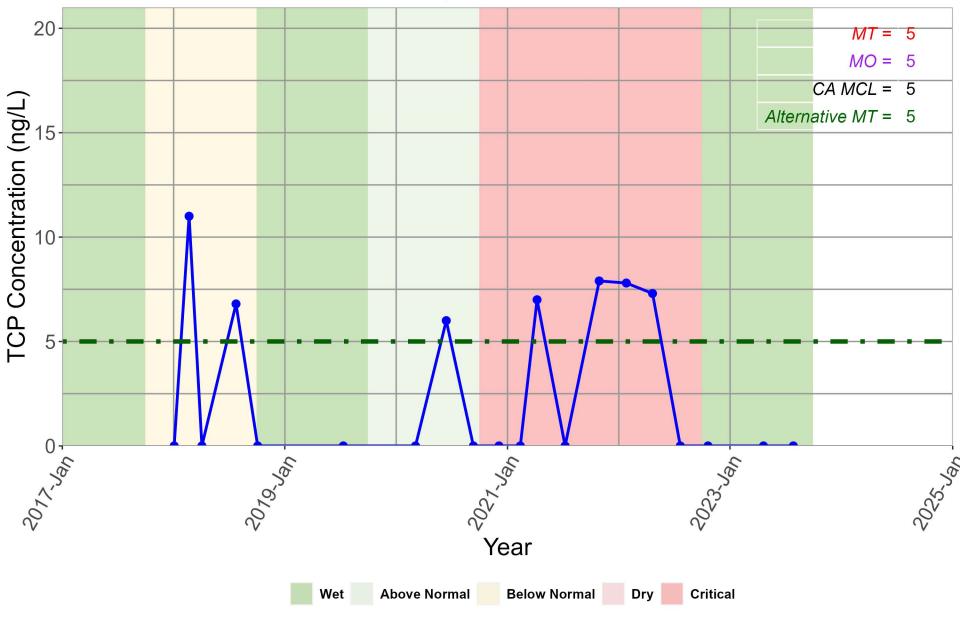


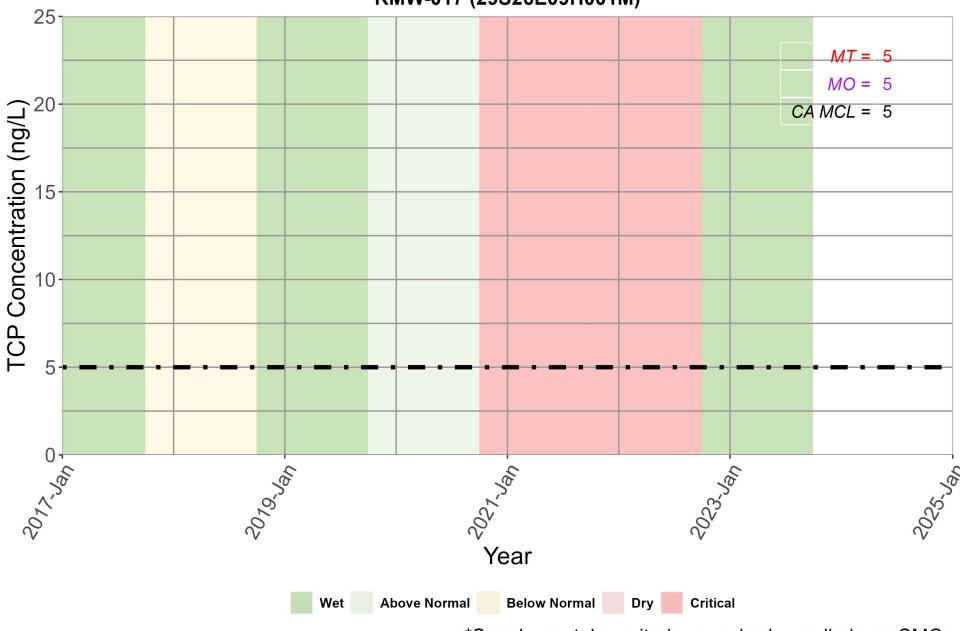
Lamont #12, CA1510012_006_006

Lost Hills Utility District Well 3, CA1510046_006_006



Primex Farm Water System Well 4, CA1503521_004_004

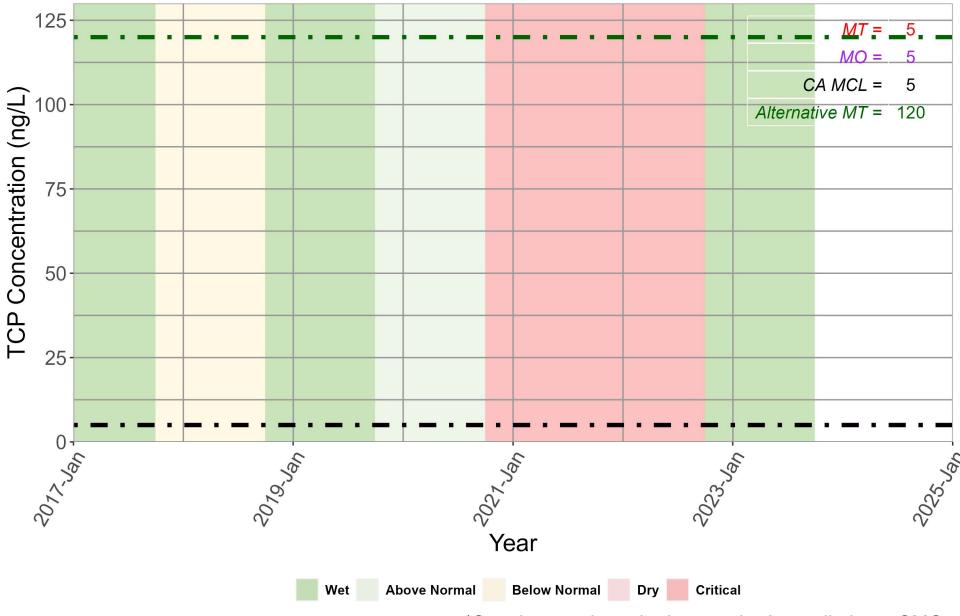




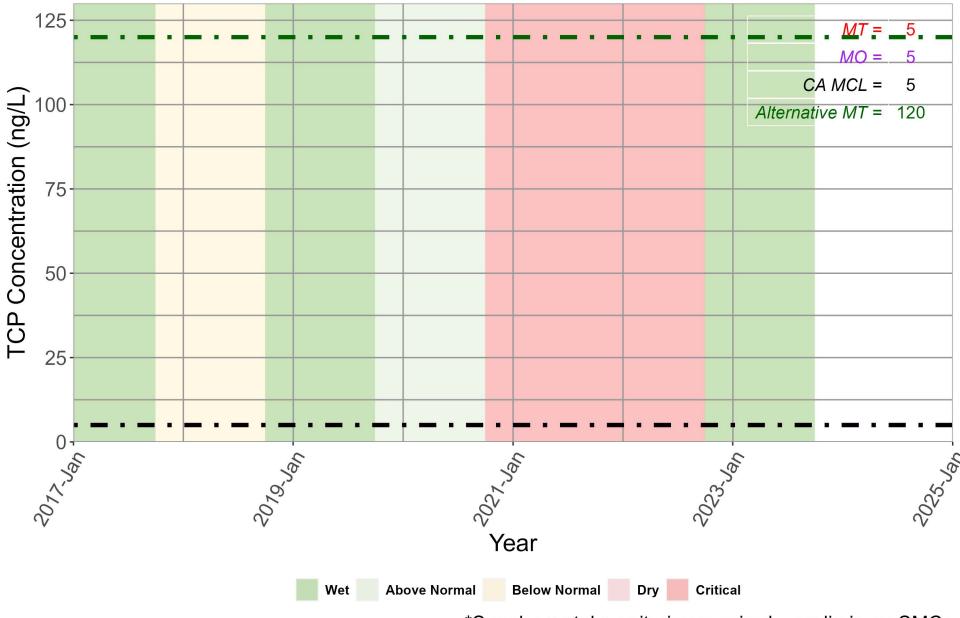
^{*}Supplemental monitoring required – preliminary SMCs

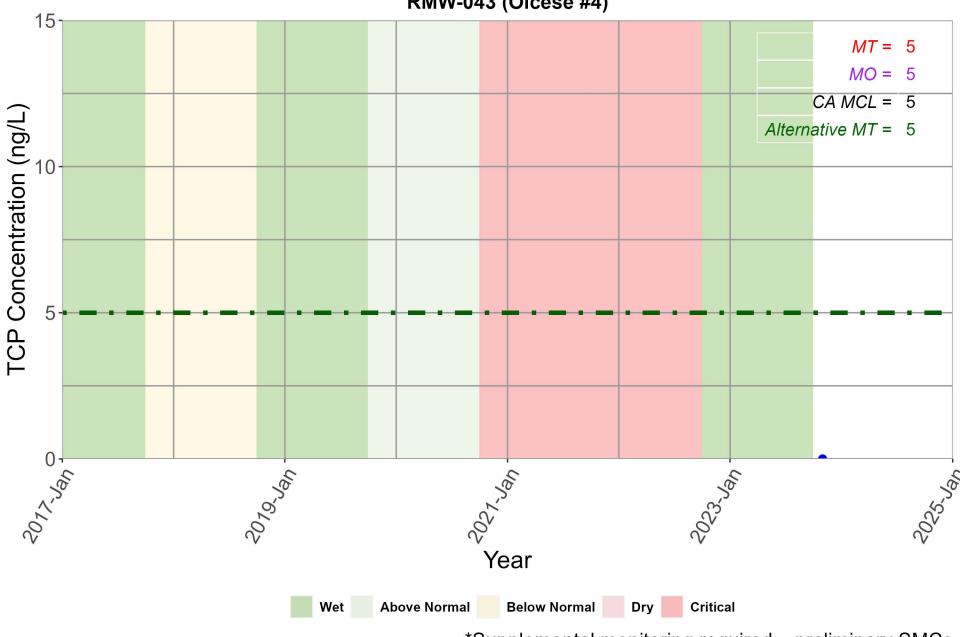
RMW-017 (29S26E09H001M)

RMW-021



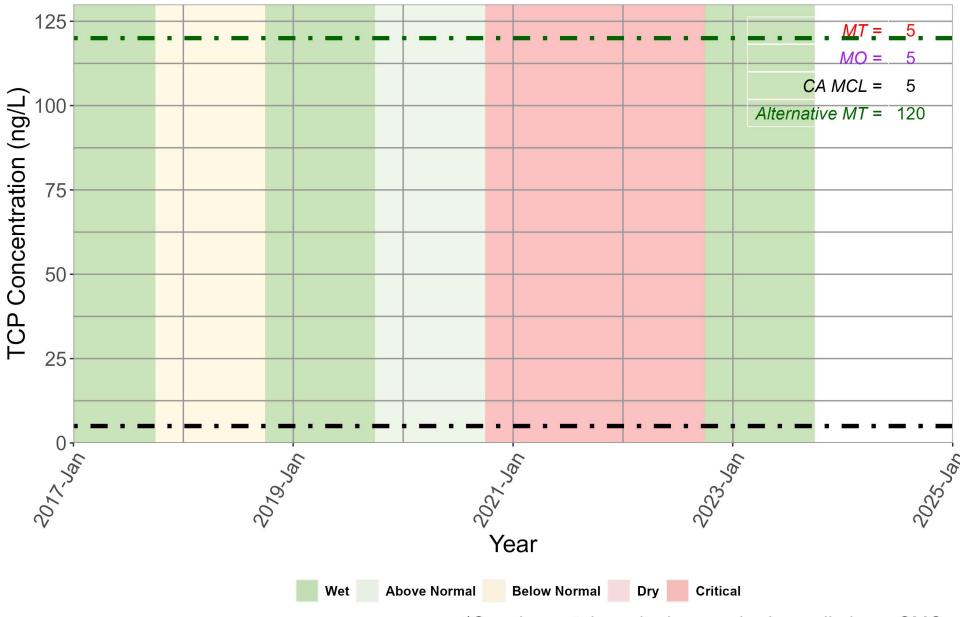
RMW-025 (30S/27E-05D001) (ID4) - CBK-23 for WQ, RMW-025 for WL

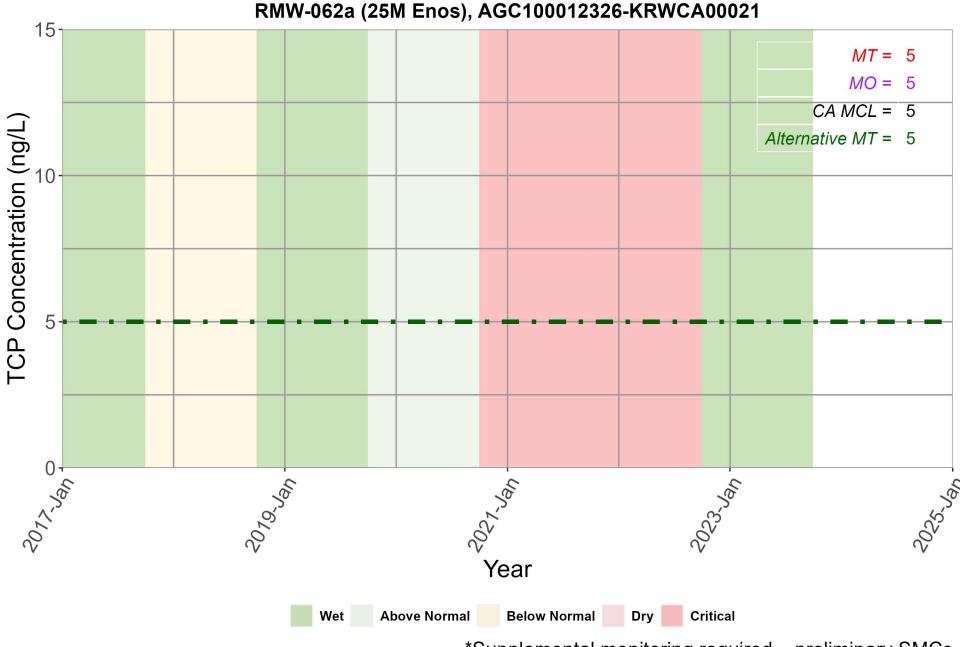




RMW-043 (Olcese #4)

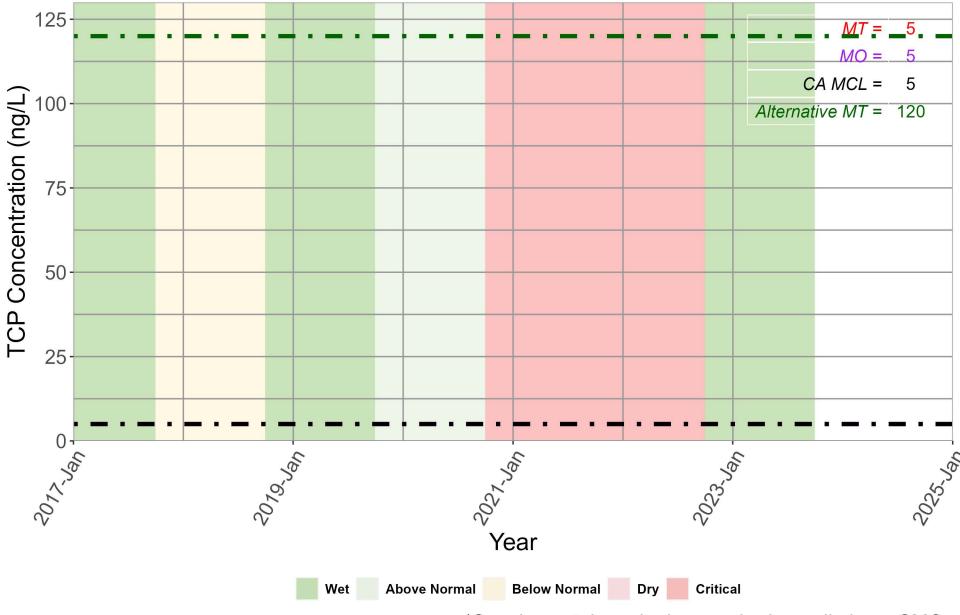
RMW-049 (30S26E15N003M)



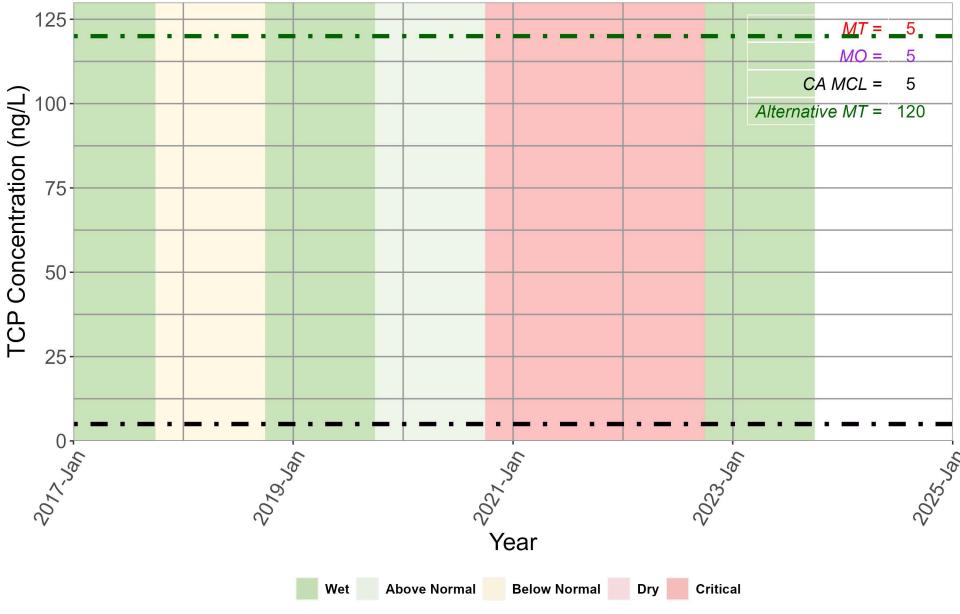


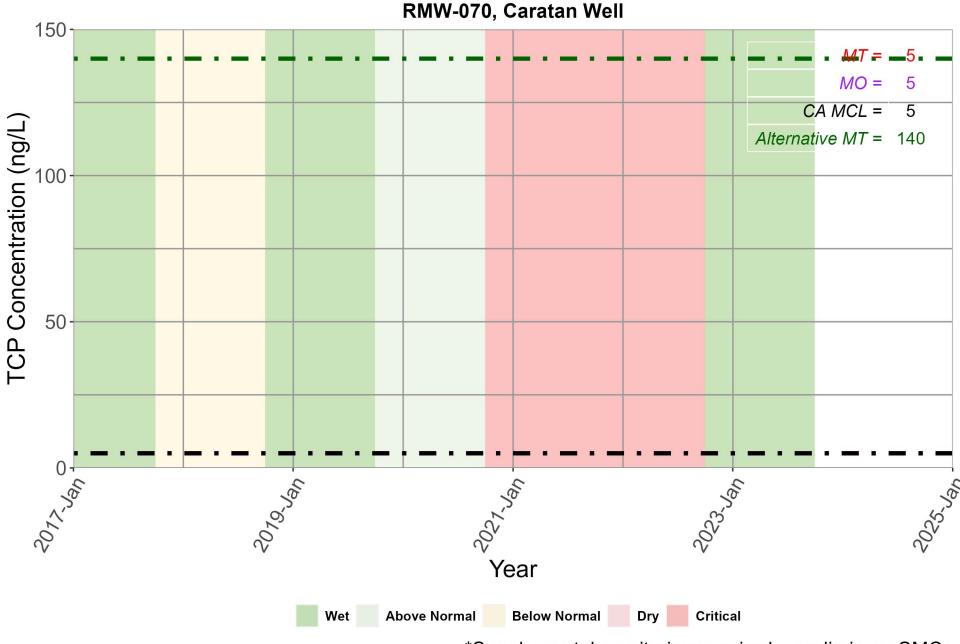
^{*}Supplemental monitoring required – preliminary SMCs

RMW-065a (31H Greeley), AGC100012326-KRWCA00029

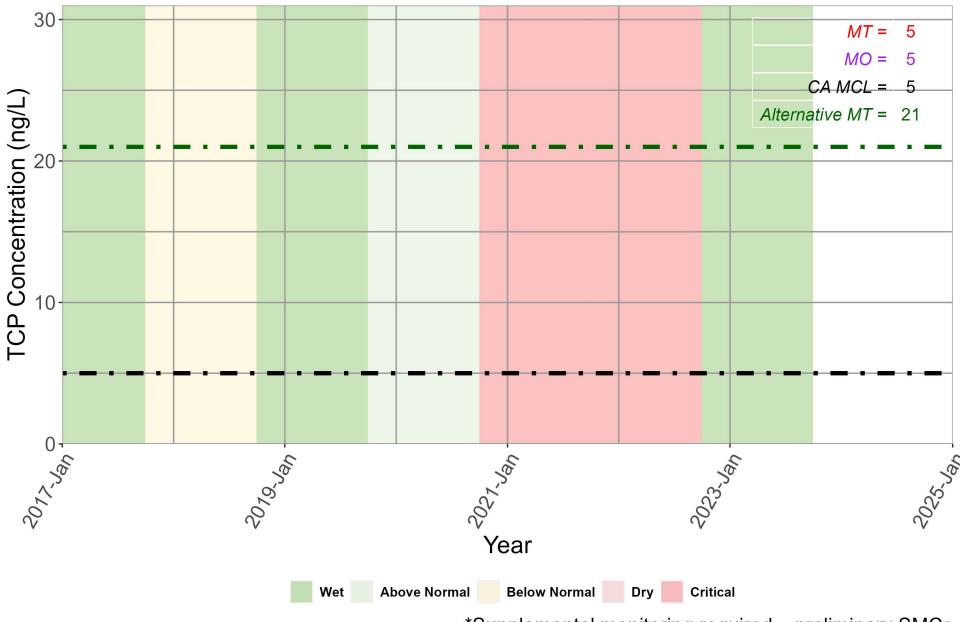


RMW-067a (35H RRBWSD Shop)

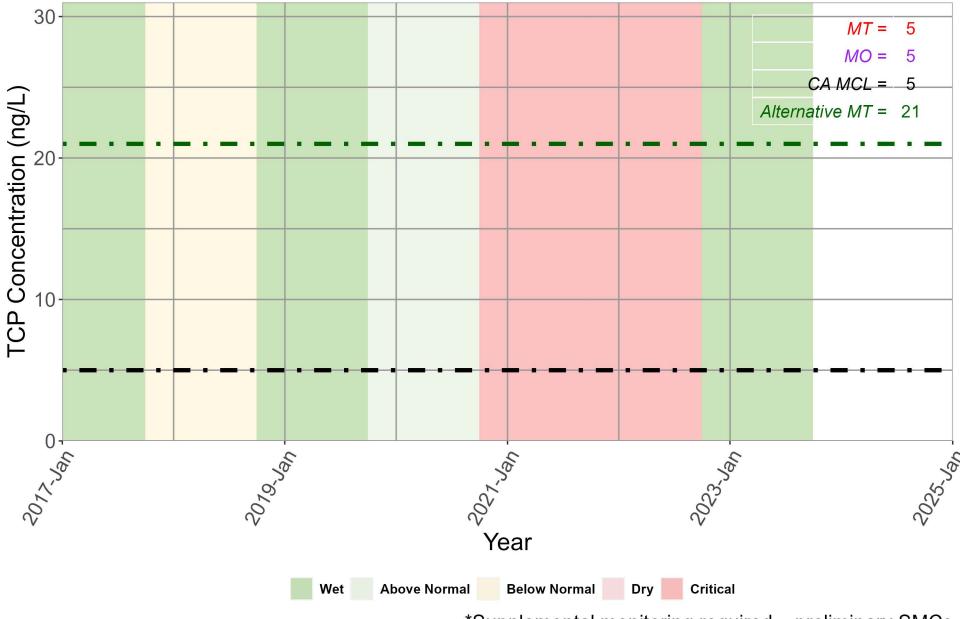


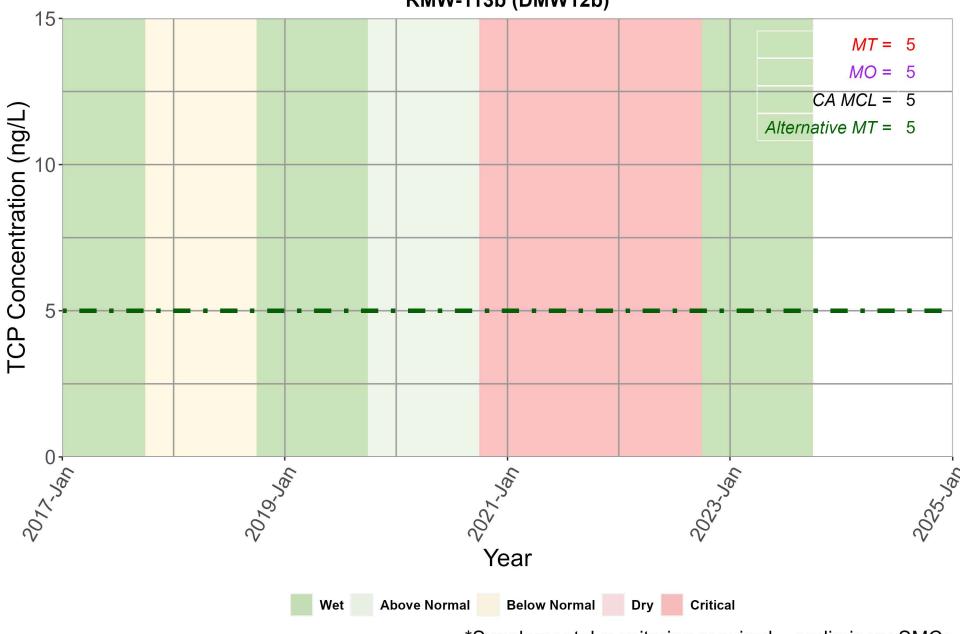


RMW-107 (28S22E10D002M), AGC100012323-BVCWD00002

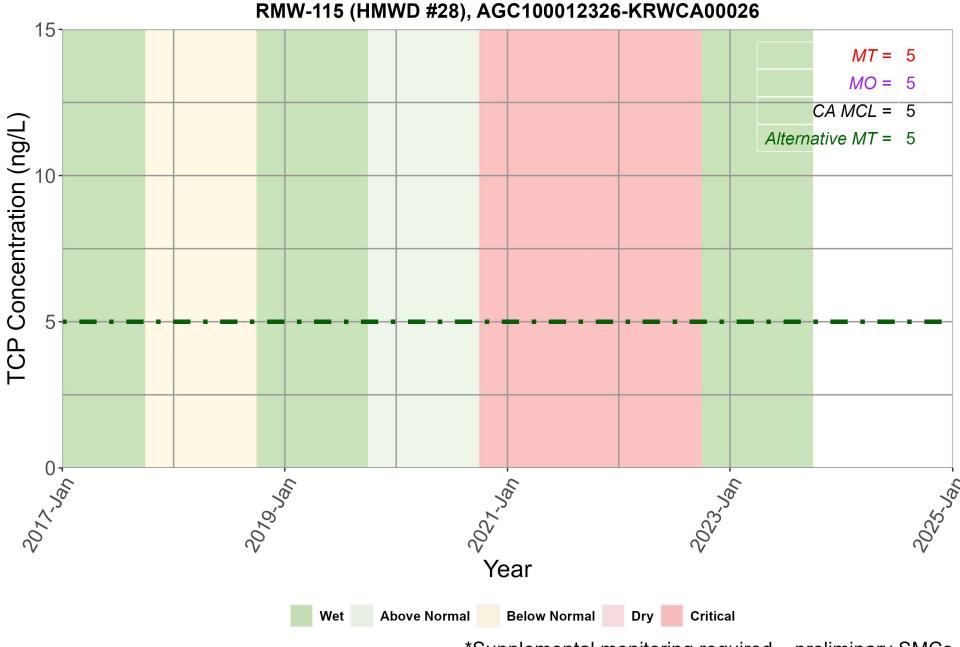


RMW-110 (DMW 07)



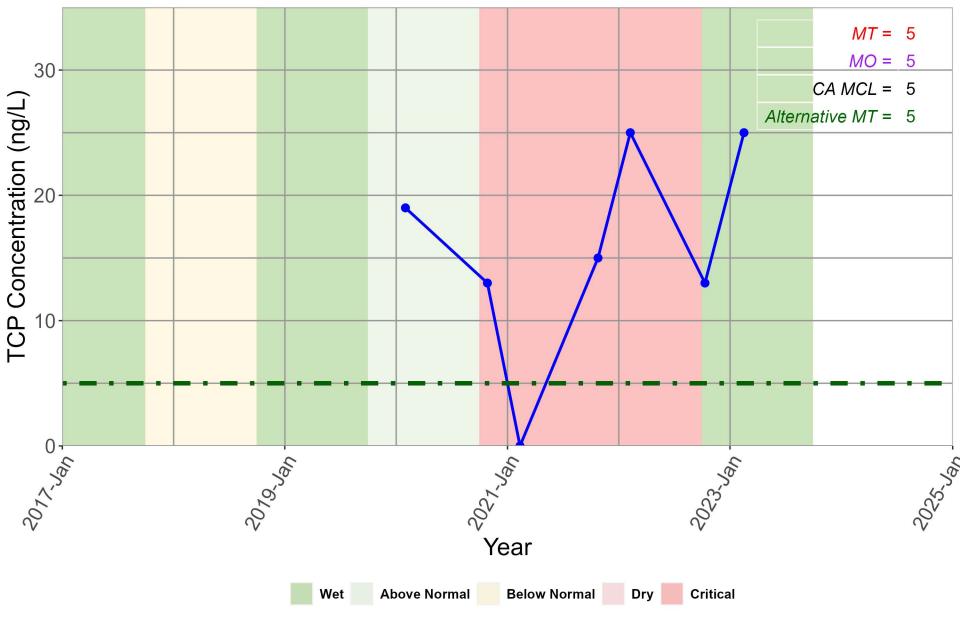


RMW-113b (DMW12b)

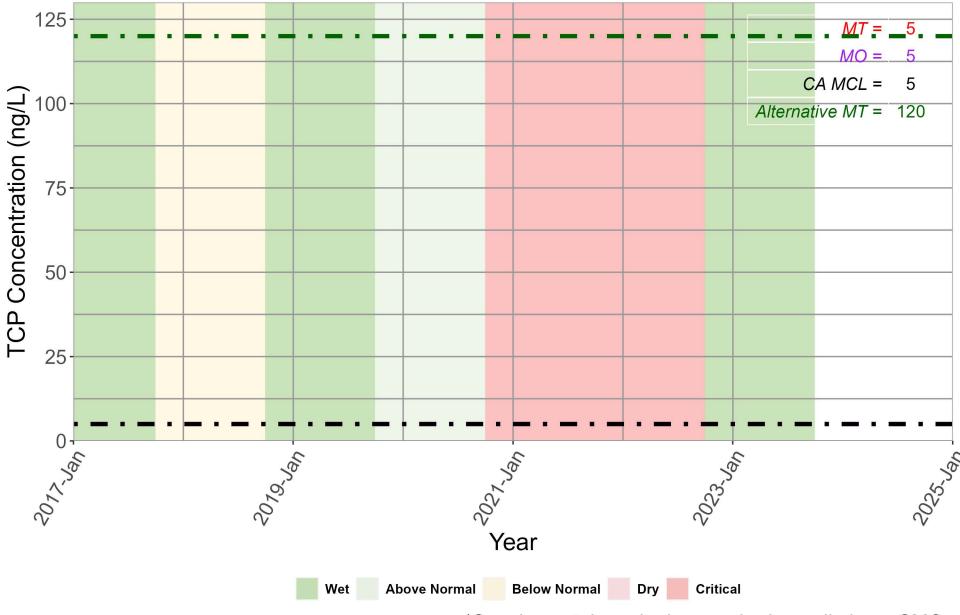


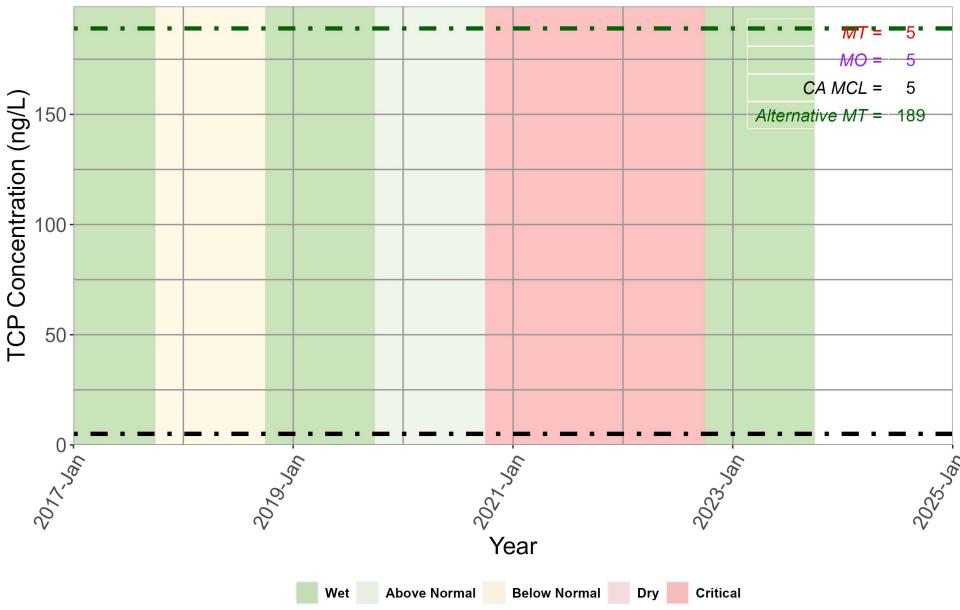
^{*}Supplemental monitoring required – preliminary SMCs

RMW-148 (88-29-014)



RMW-159 (SSJMUD 23), AGC100012326-KRWCA00030

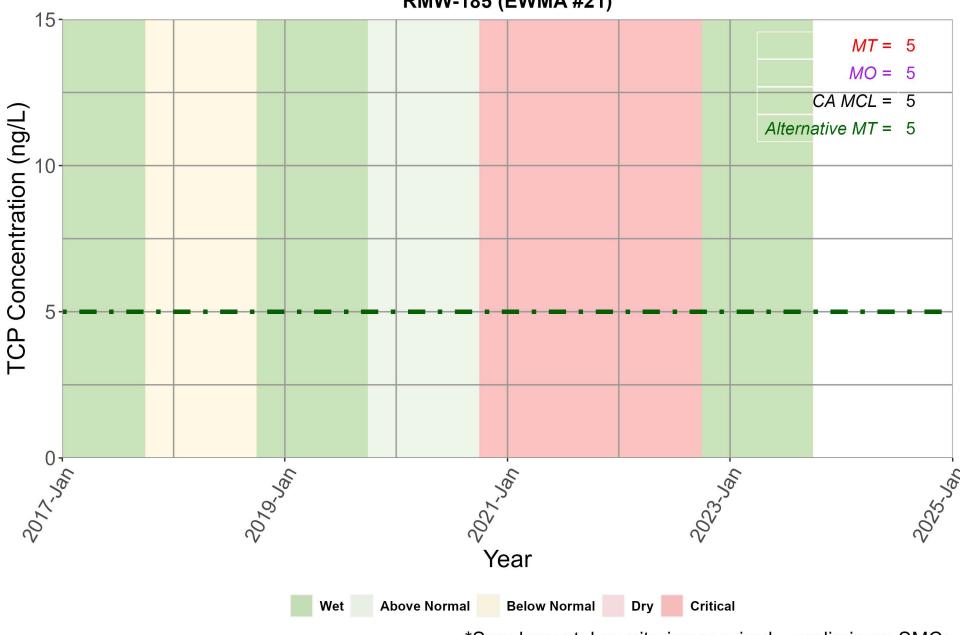




RMW-169 (28L)

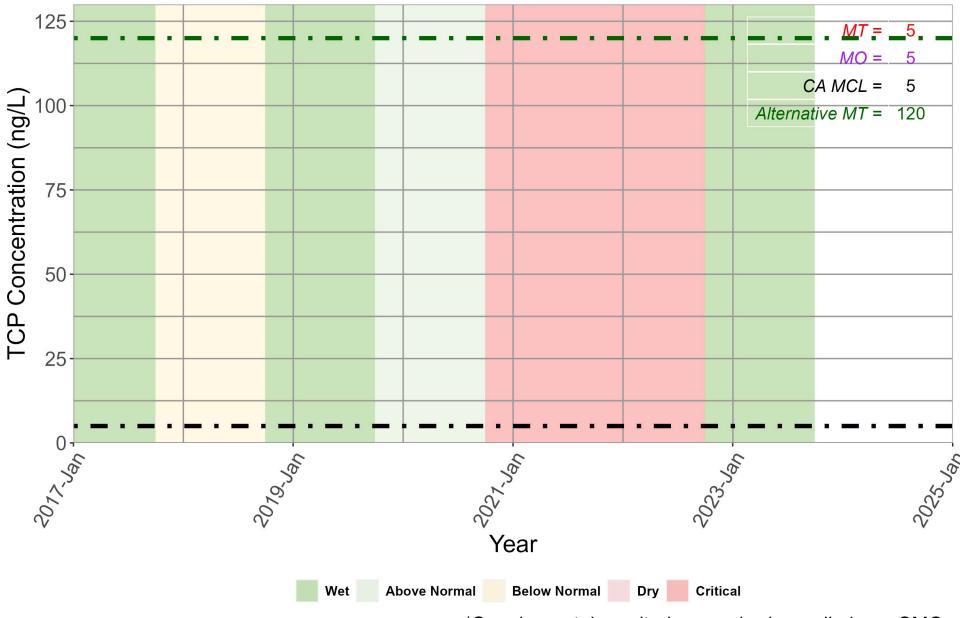
MT MO =CA MCL = 5 TCP Concentration (ng/L) Alternative MT = 189 2012, Van 2079. Van 2027, Van 2023. Uan 2025 Jan Year Below Normal Dry Wet Above Normal Critical

RMW-172 (6C), AGC100012324-CAWDC00009

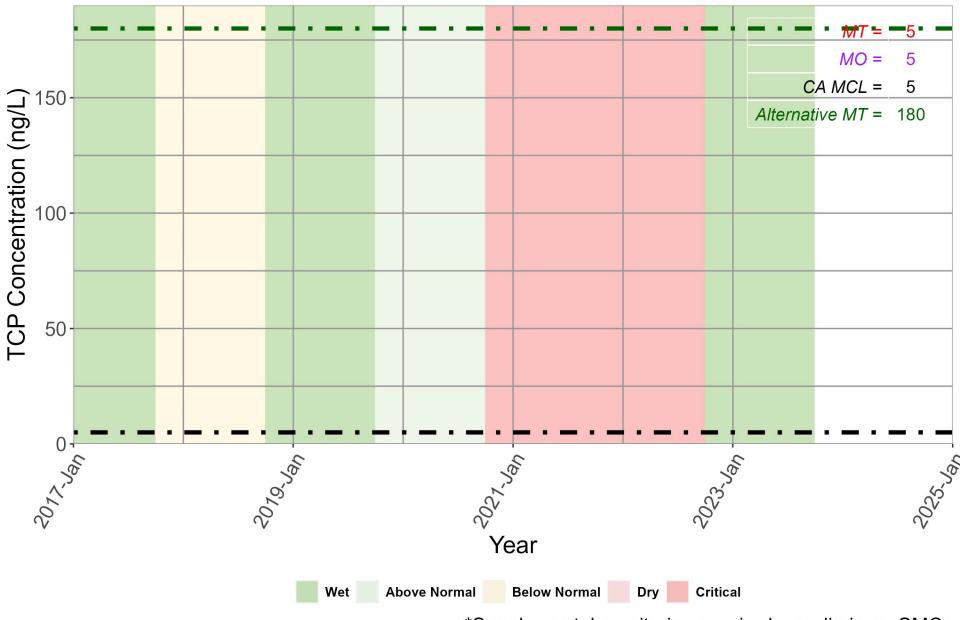


RMW-185 (EWMA #21)

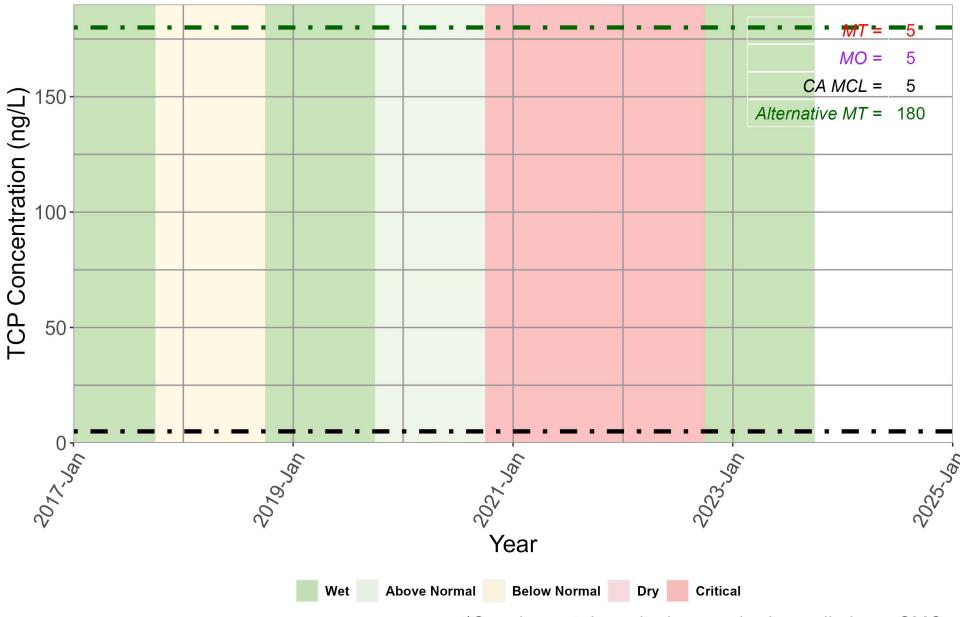
RMW-211 (CWS)



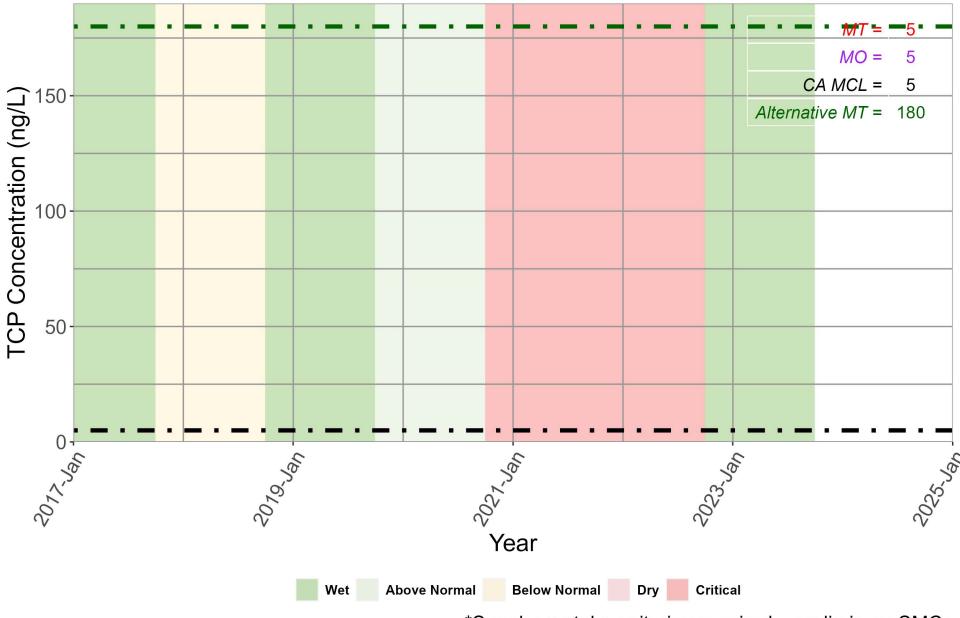
RMW-235R (12N21W34N001S)



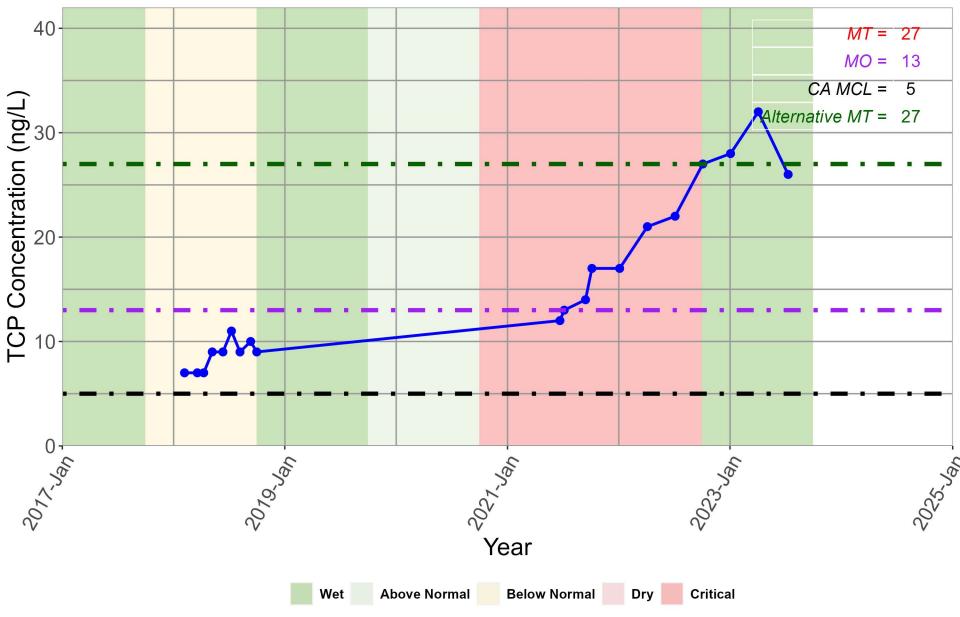
RMW-239 (32S25E29Q001M)

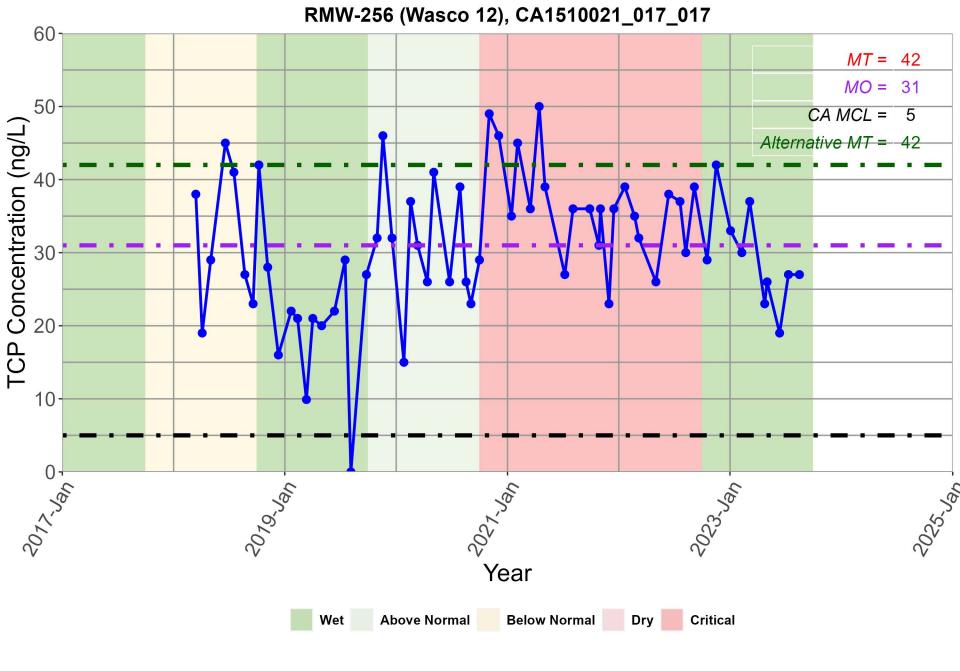


RMW-240

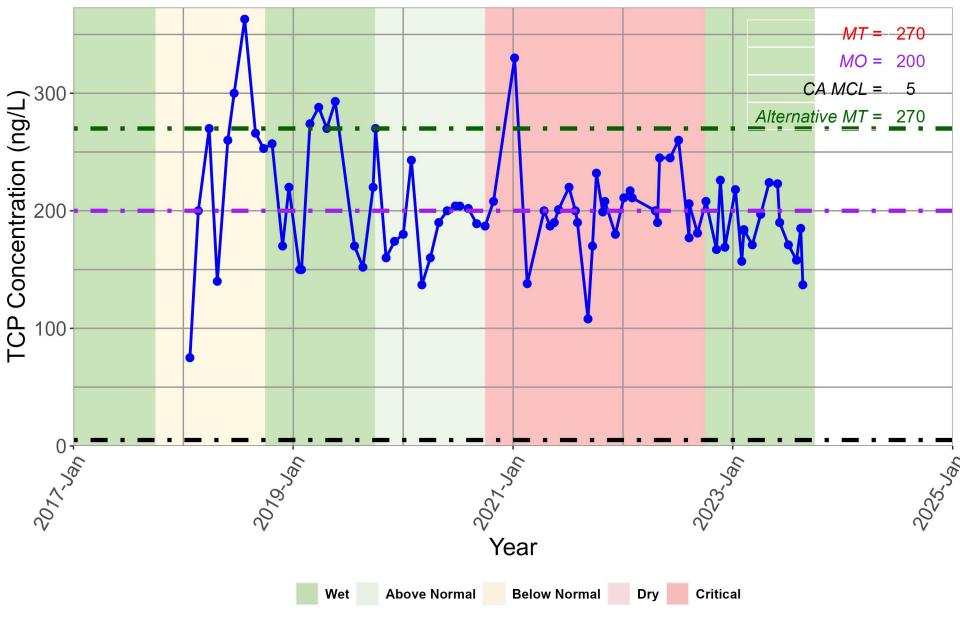


RMW-252 (Delano 30), CA1510005_036_036

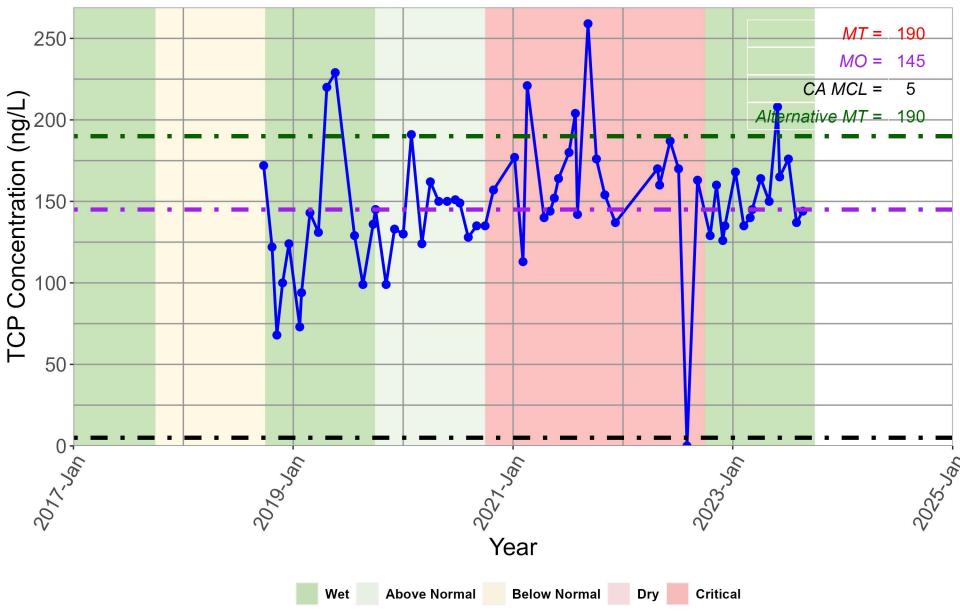


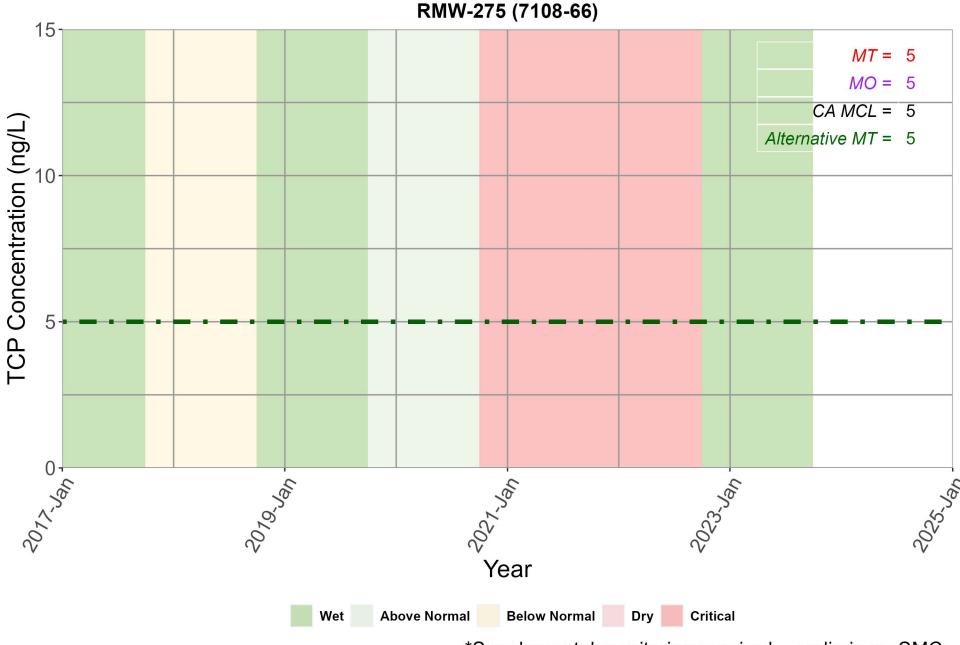


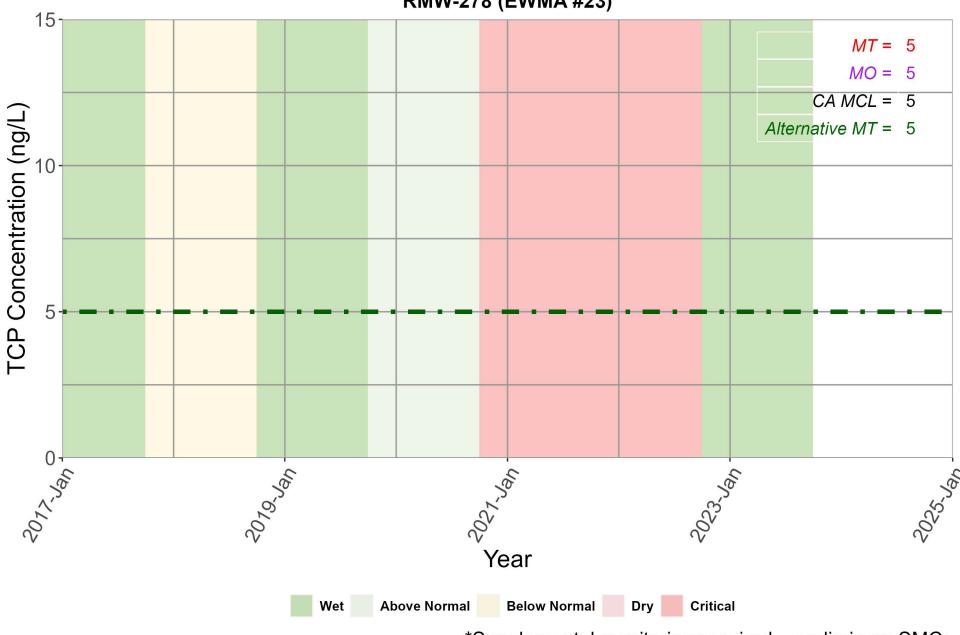
RMW-257 (Shafter 14), CA1510019_009_009



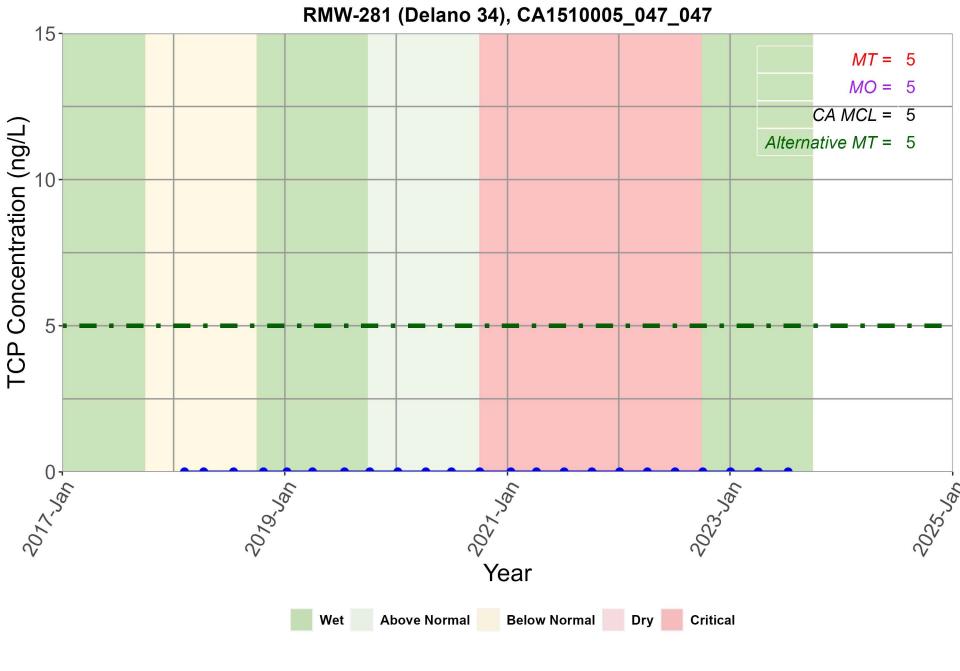
RMW-271 (Shafter Well 18), CA1510019_023_023

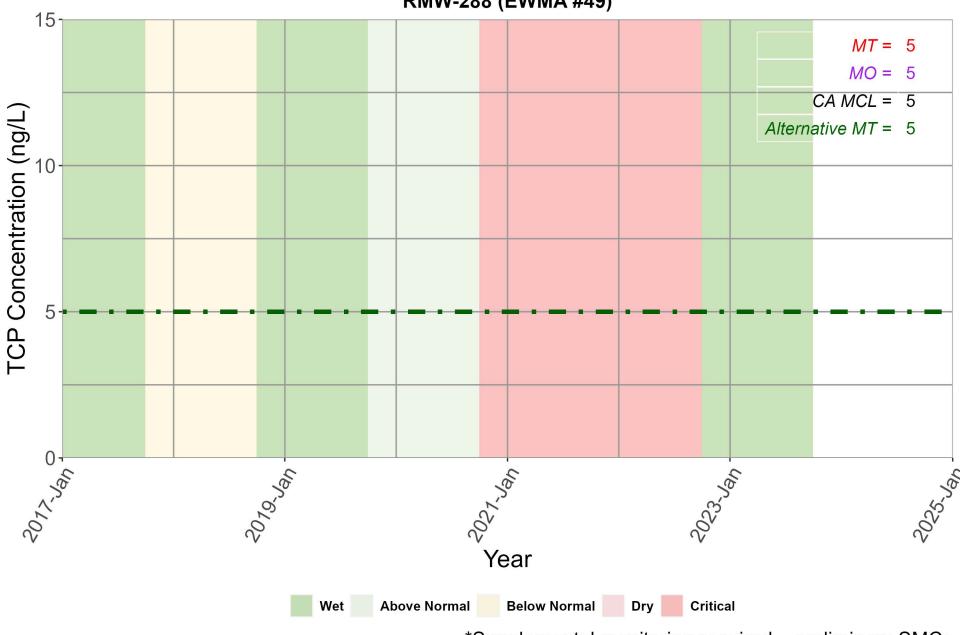




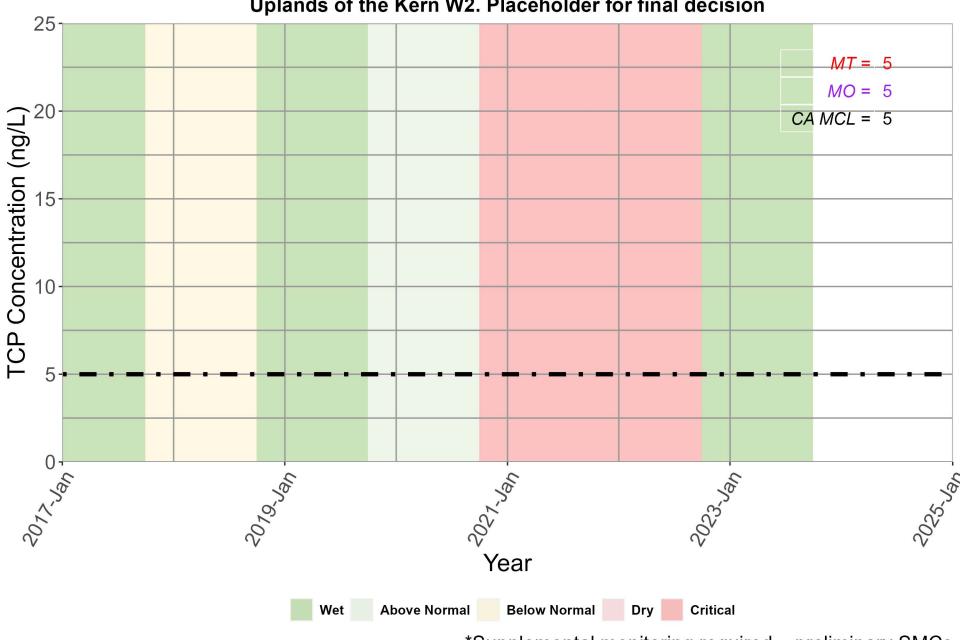


RMW-278 (EWMA #23)

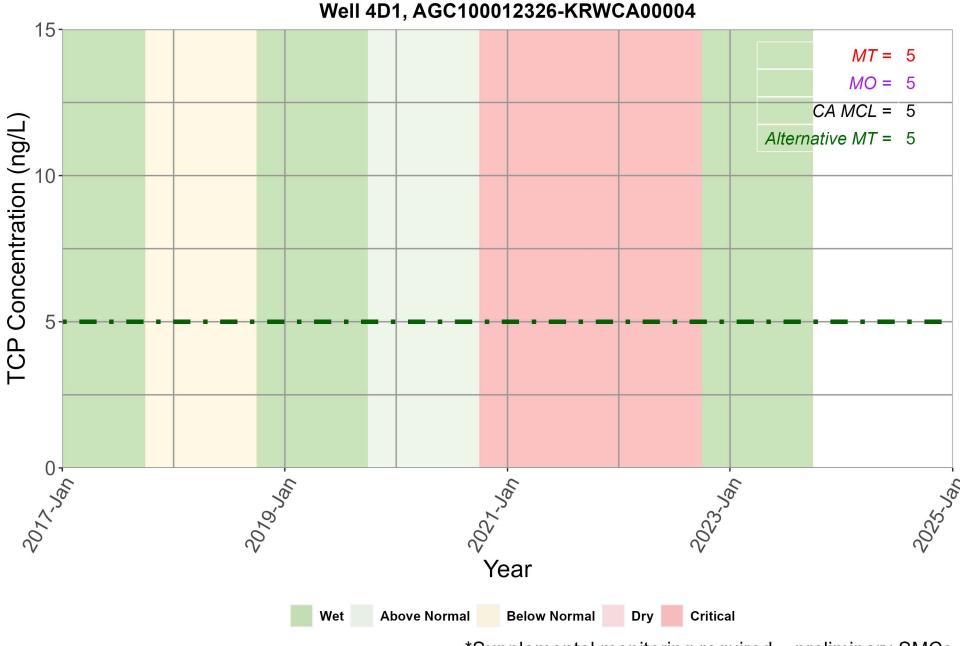


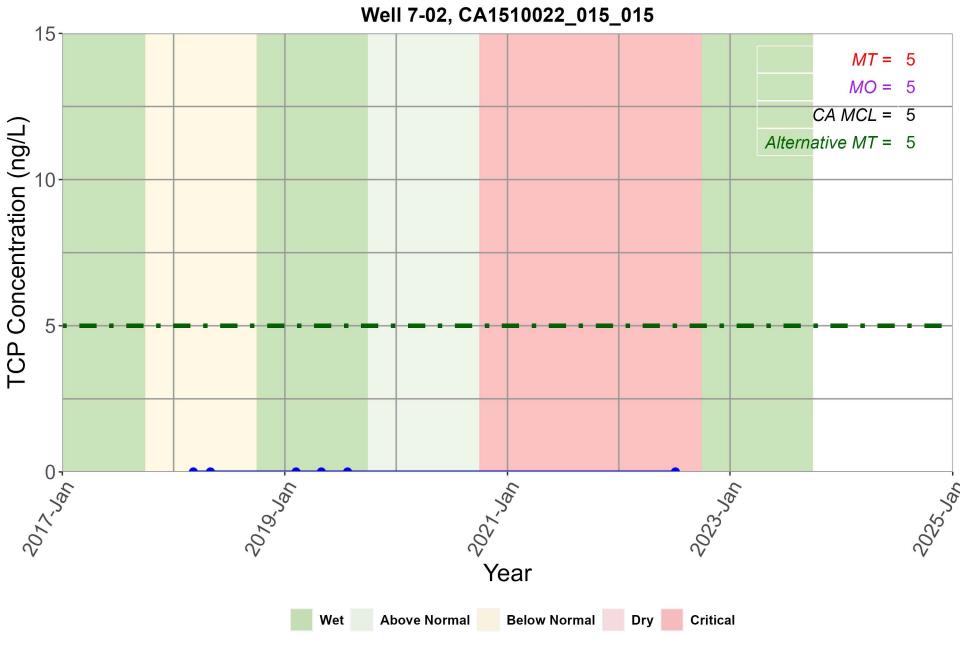


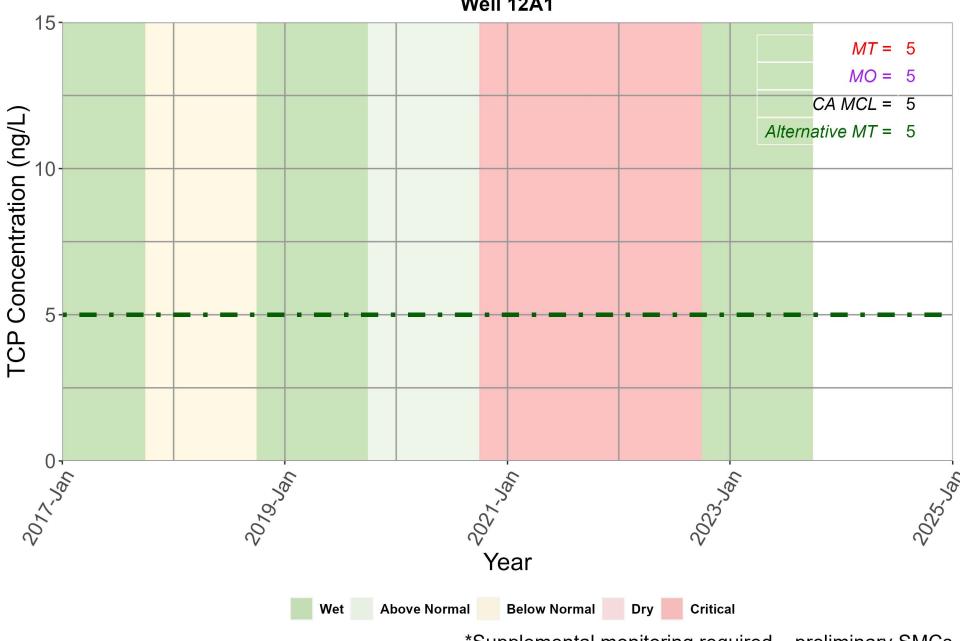
RMW-288 (EWMA #49)



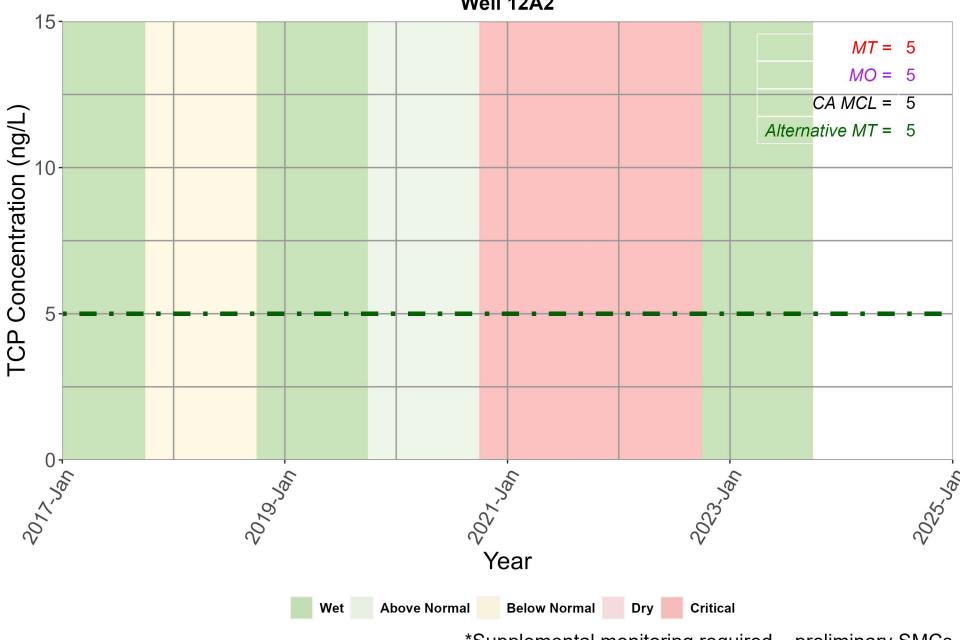
Uplands of the Kern W2. Placeholder for final decision



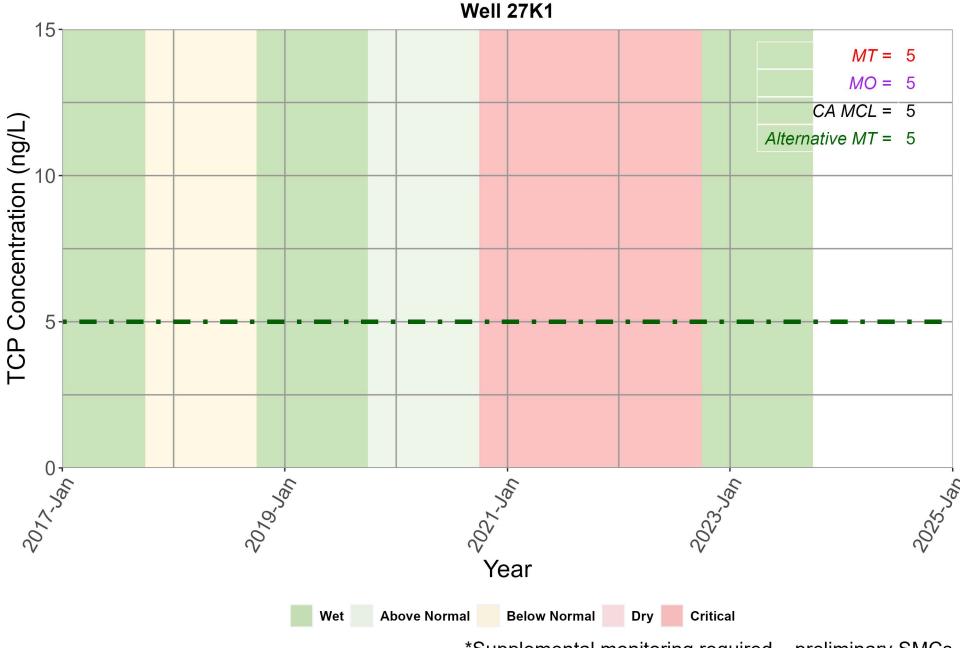




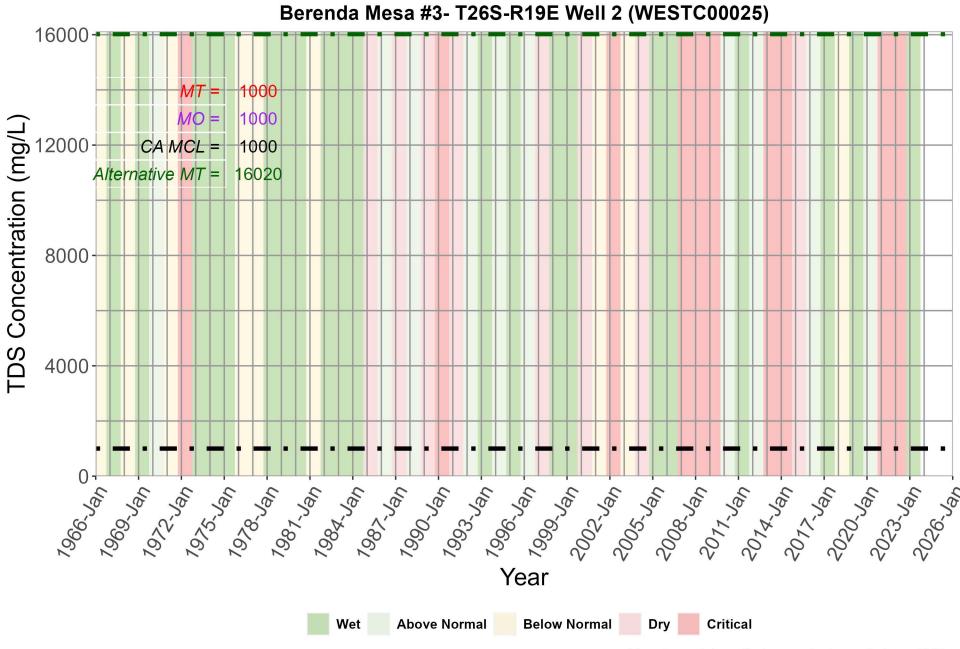
Well 12A1

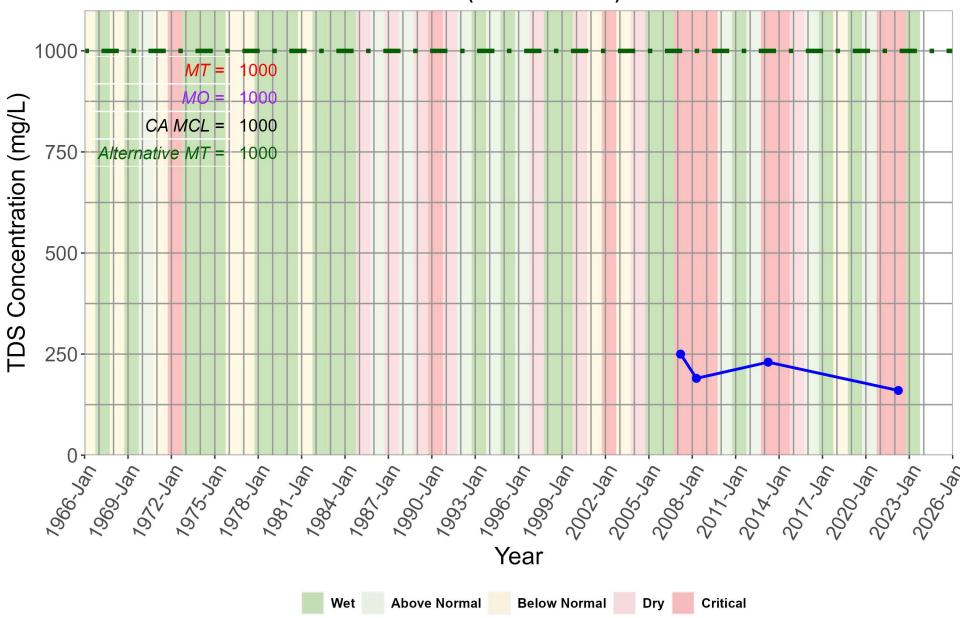


Well 12A2



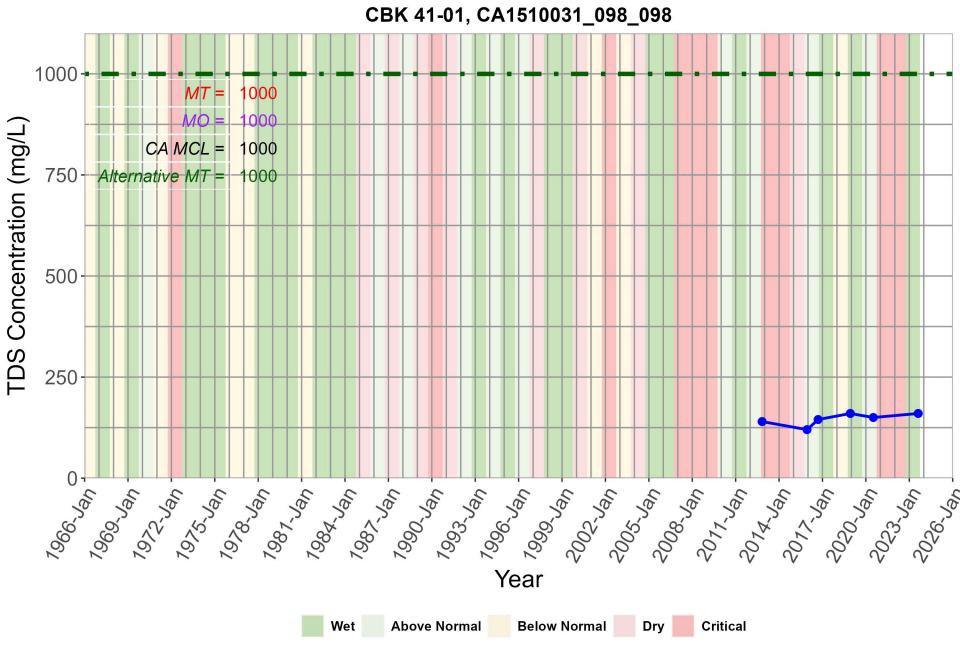
1.5 Total Dissolved Solids (TDS)

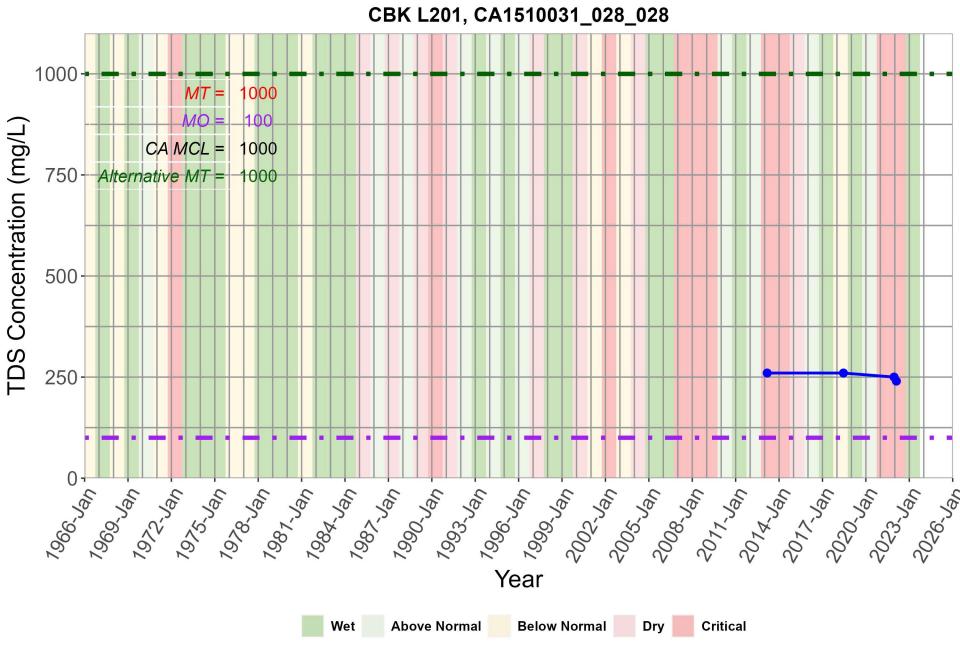


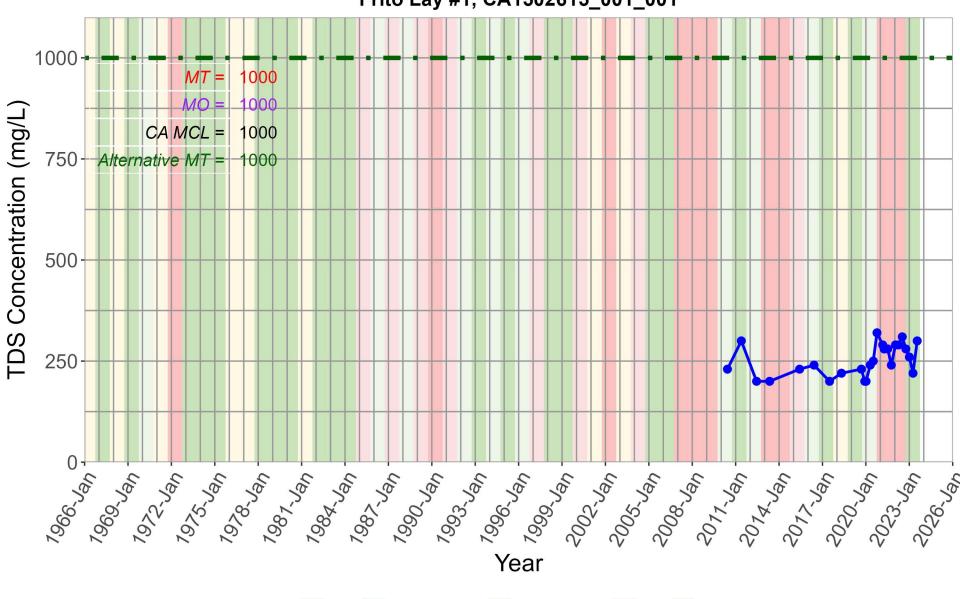


^{*}Supplemental monitoring required – preliminary SMCs

BK 9 (30S-26E-16L01)







Wet

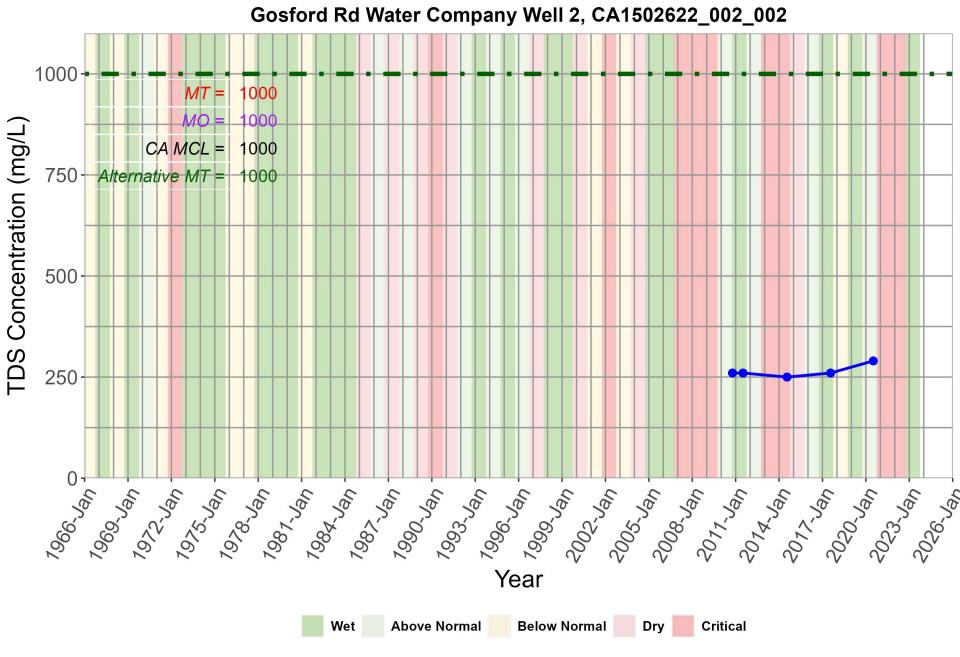
Above Normal

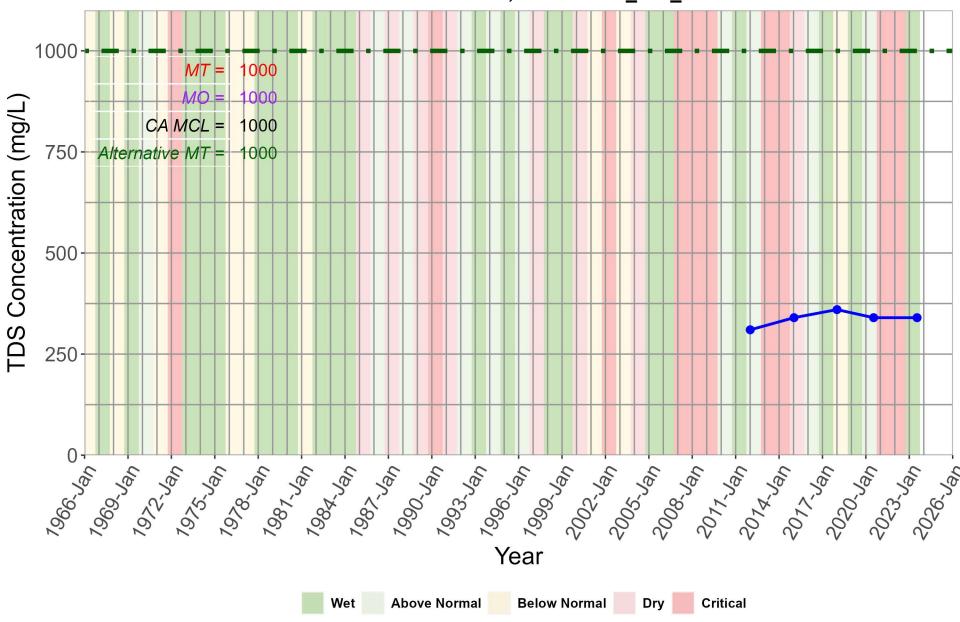
Below Normal

Dry

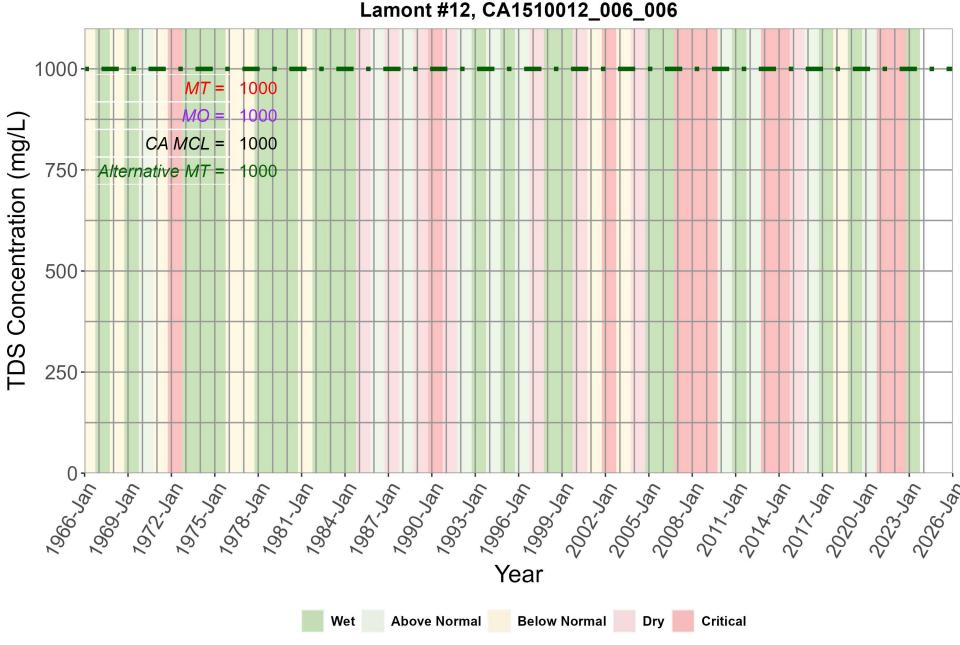
Critical

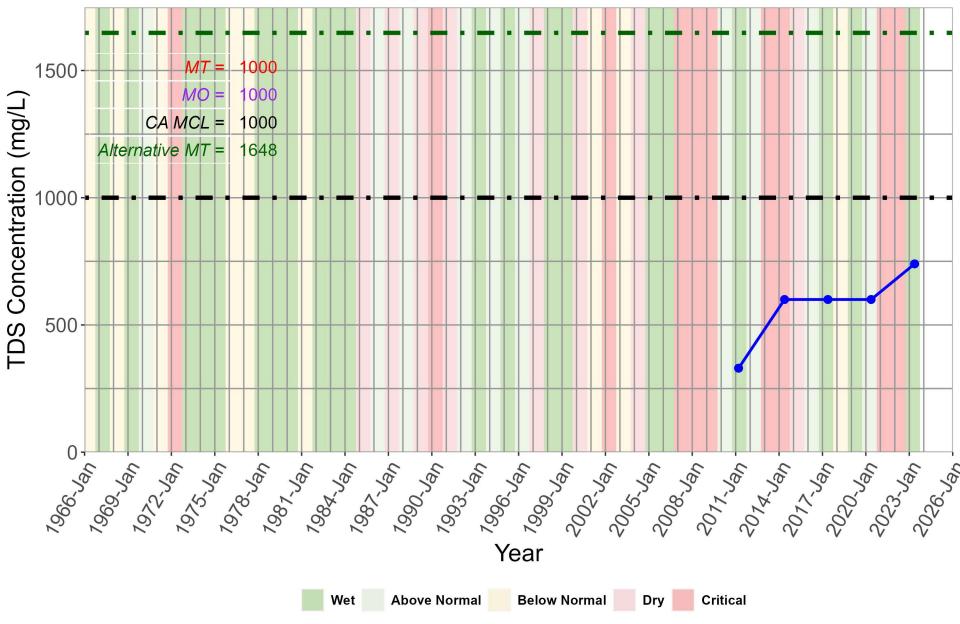
Frito Lay #1, CA1502615_001_001



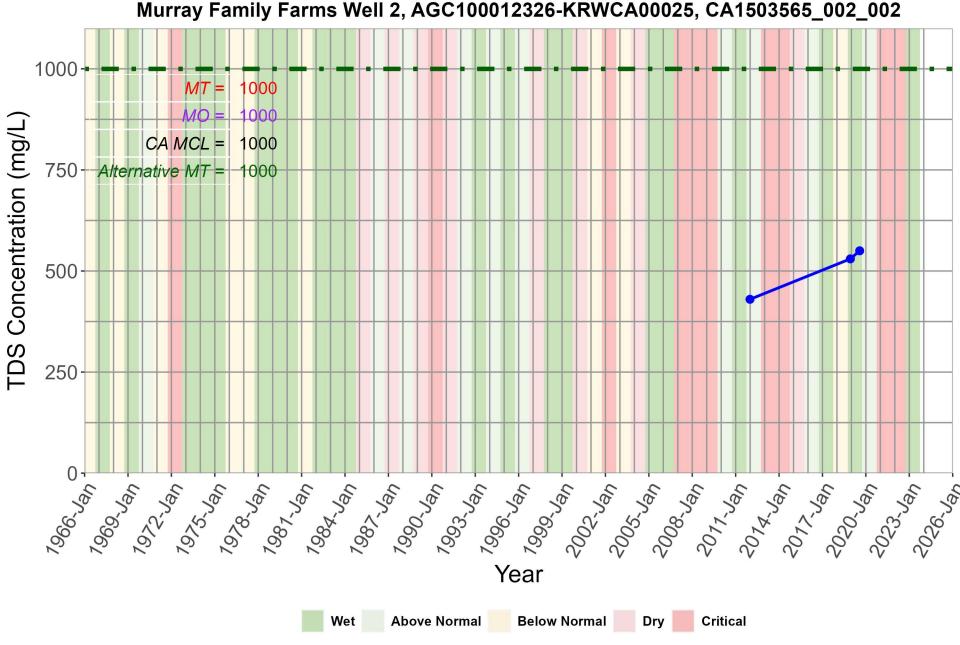


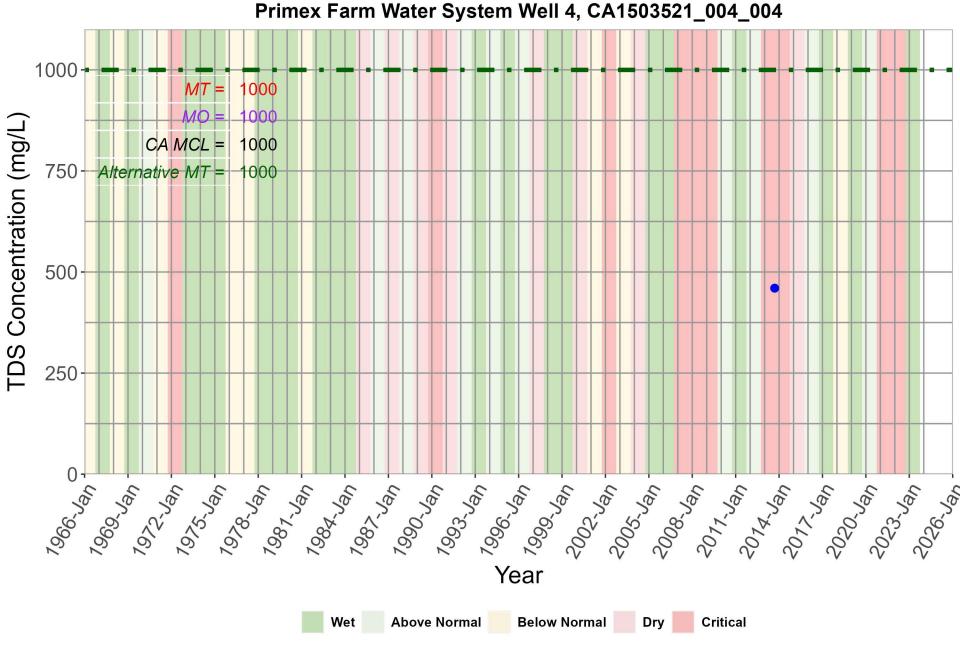
Greenfield Taft Well, CA1510024_004_004



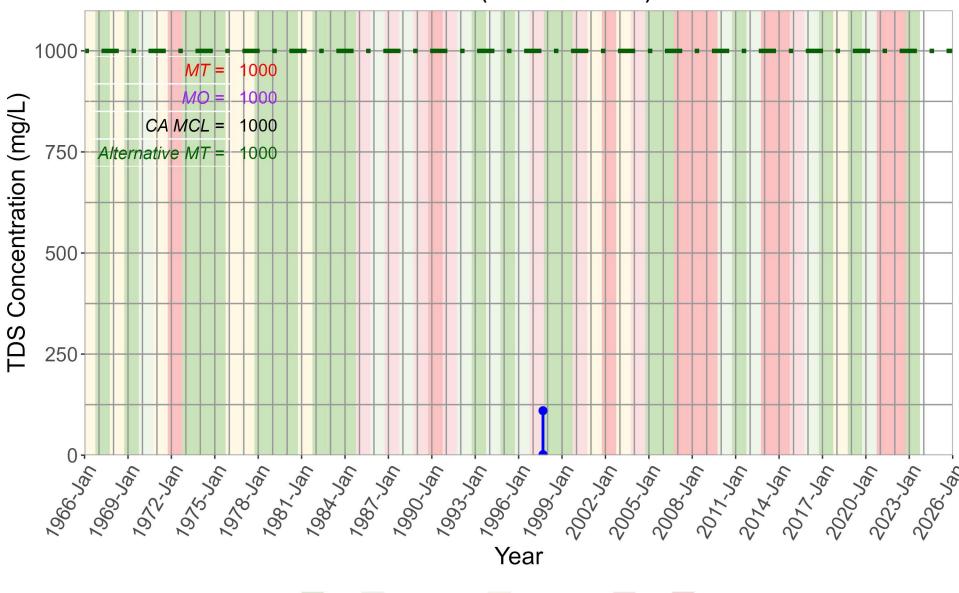


Lost Hills Utility District Well 3, CA1510046_006_006





^{*}Supplemental monitoring required – preliminary SMCs



Wet

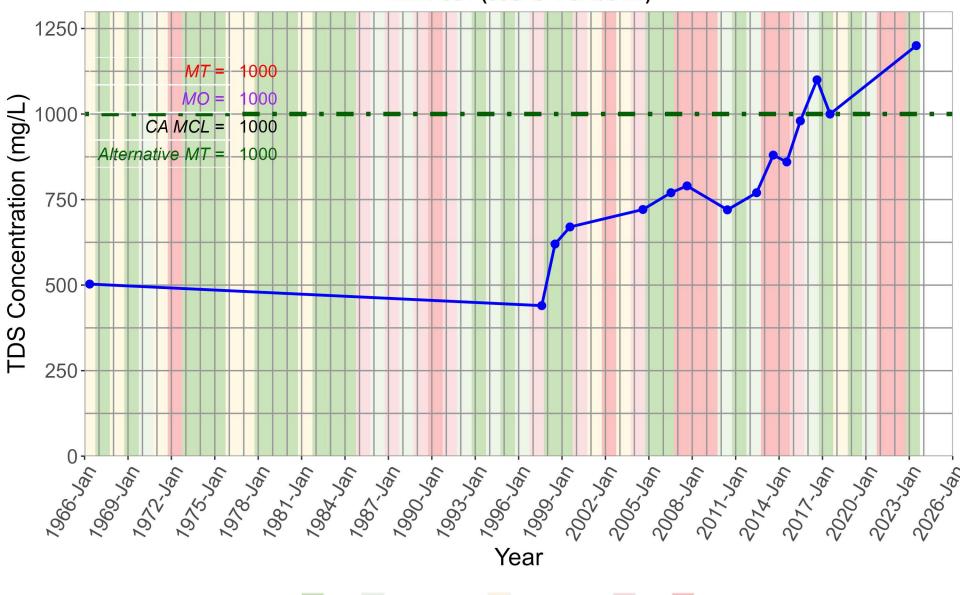
Above Normal

Below Normal

Dry

Critical

RMW-001 (29S29E33N001M)



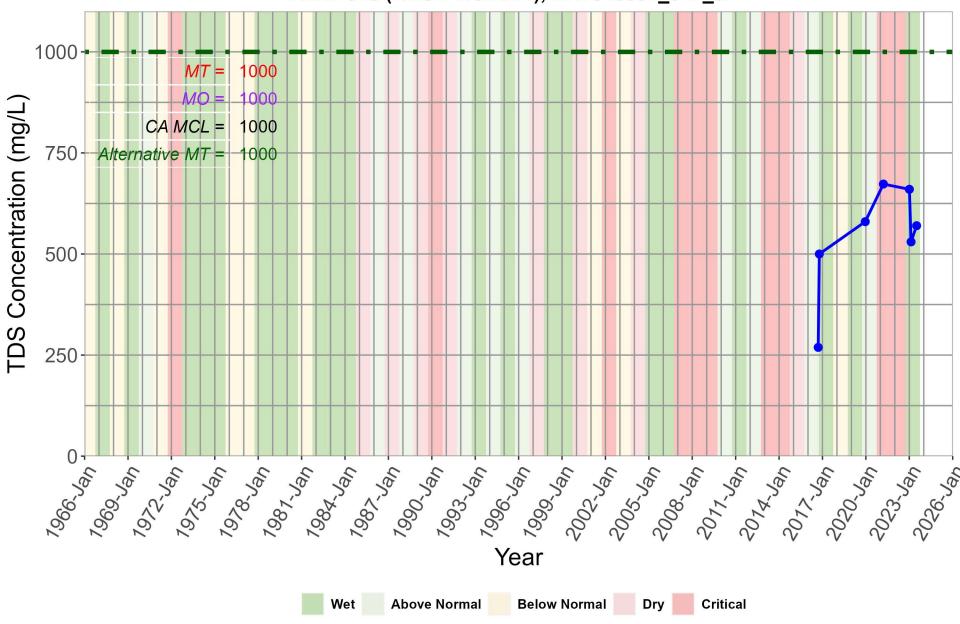
Wet

Above Normal

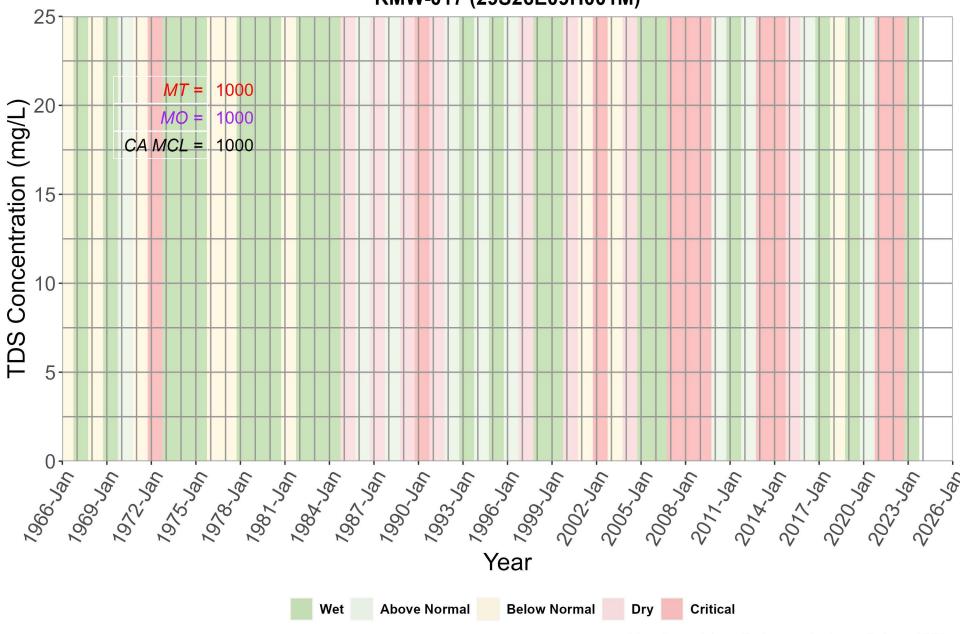
Below Normal Dry

Critical

RMW-004 (30S29E29A001M)



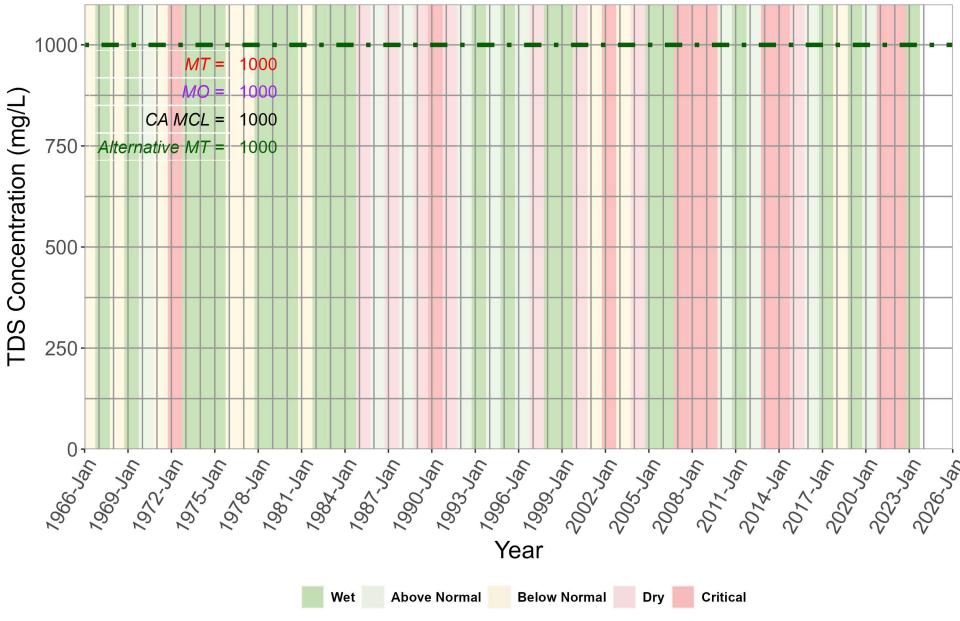
RMW-010 (ACSD Well #14), CA1510001_022_022



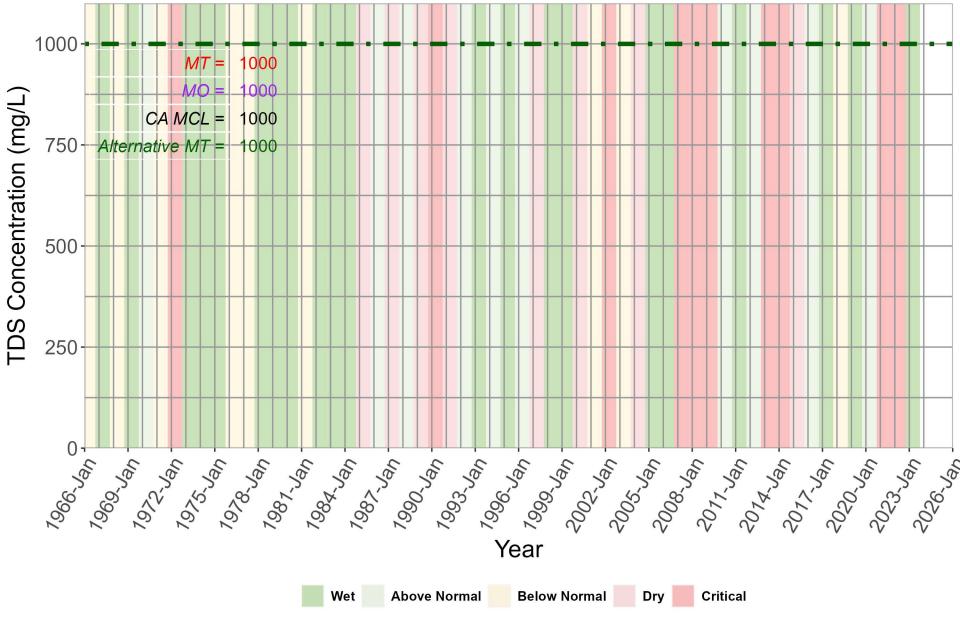
^{*}Supplemental monitoring required – preliminary SMCs

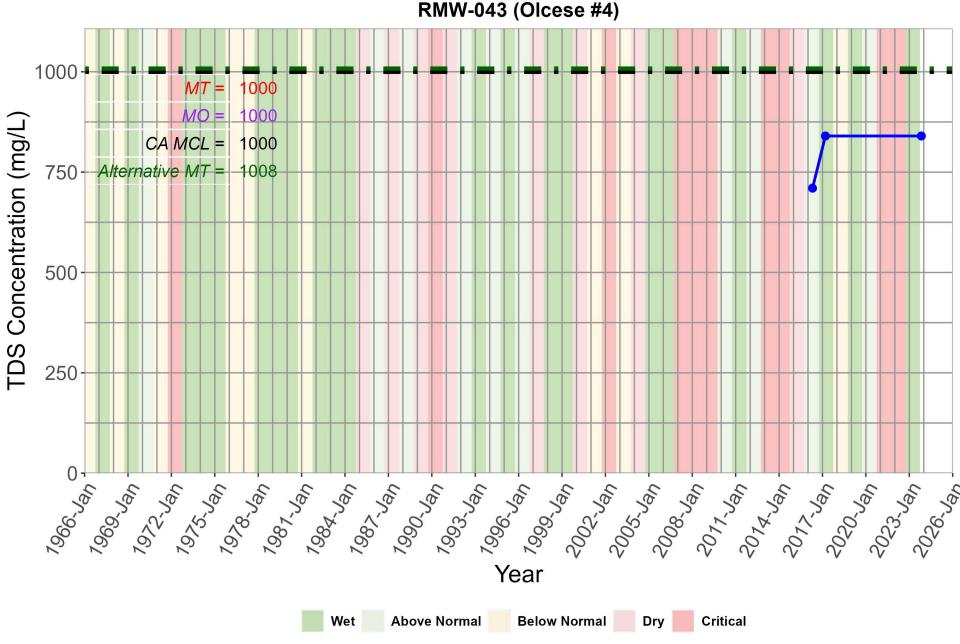
RMW-017 (29S26E09H001M)

RMW-021



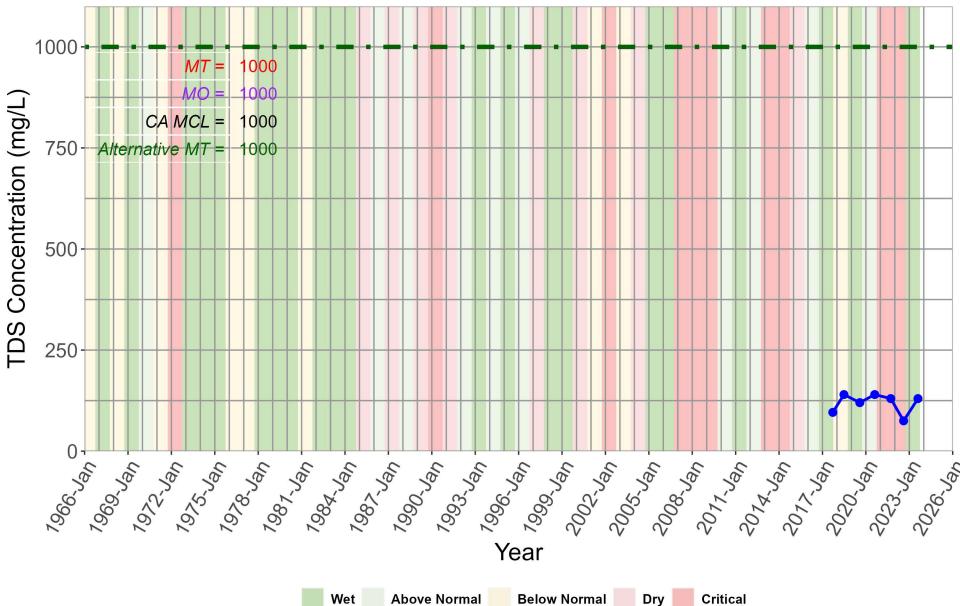
RMW-025 (30S/27E-05D001) (ID4) - CBK-23 for WQ, RMW-025 for WL

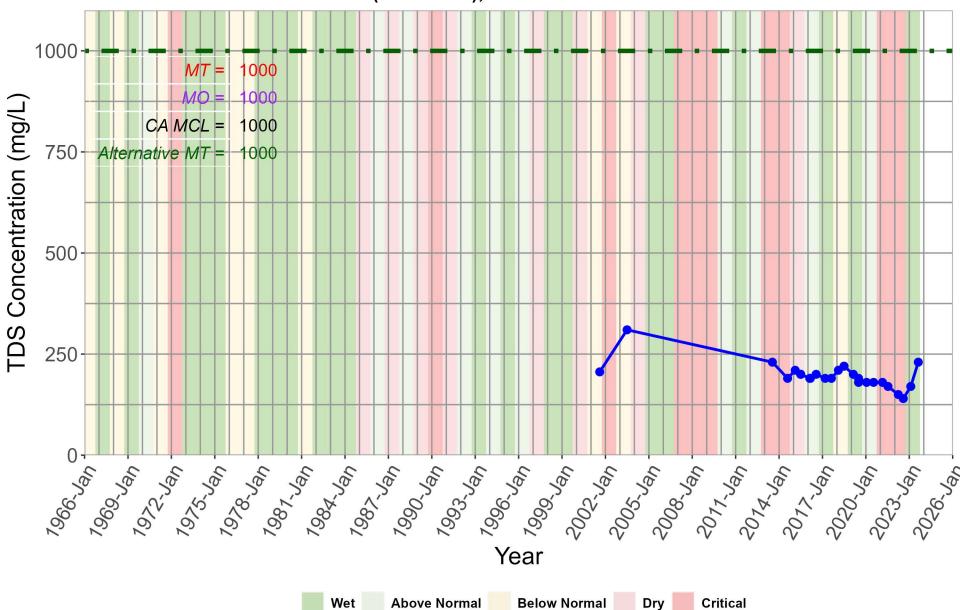




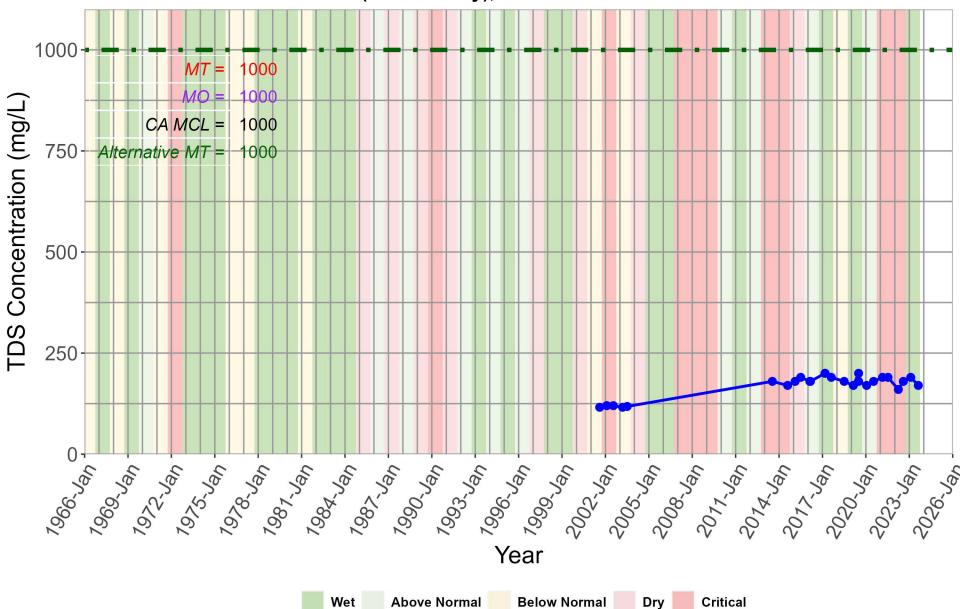
*Supplemental monitoring required – preliminary SMCs; Alternate TDS MT proposed is 20% increase of Max TDS of well

RMW-049 (30S26E15N003M)



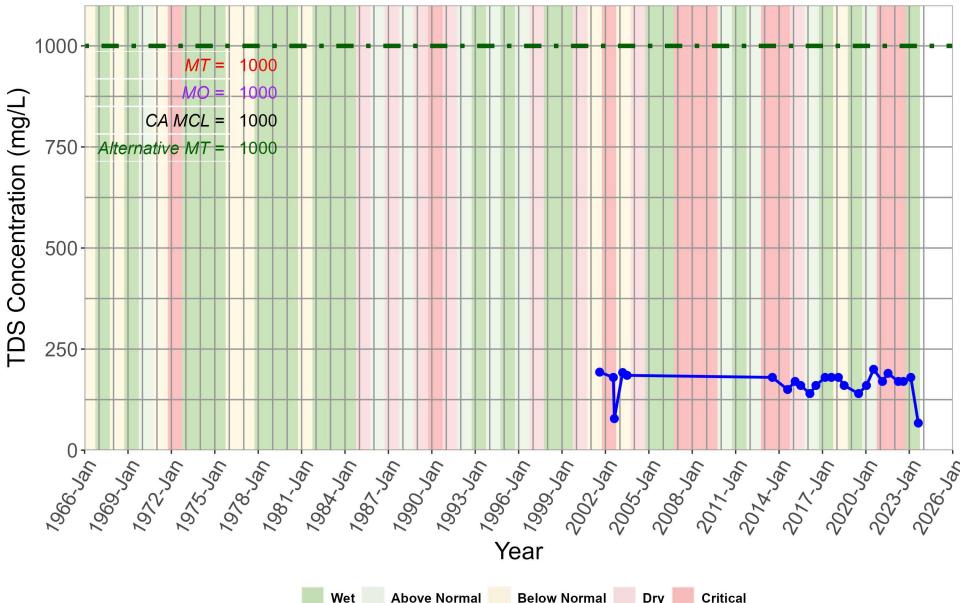


RMW-062a (25M Enos), AGC100012326-KRWCA00021

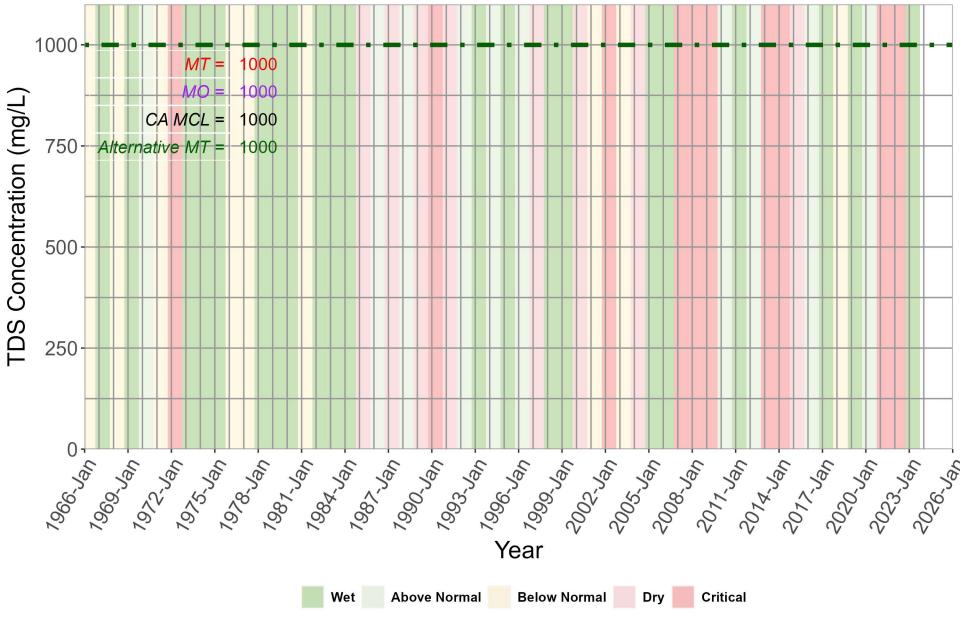


RMW-065a (31H Greeley), AGC100012326-KRWCA00029

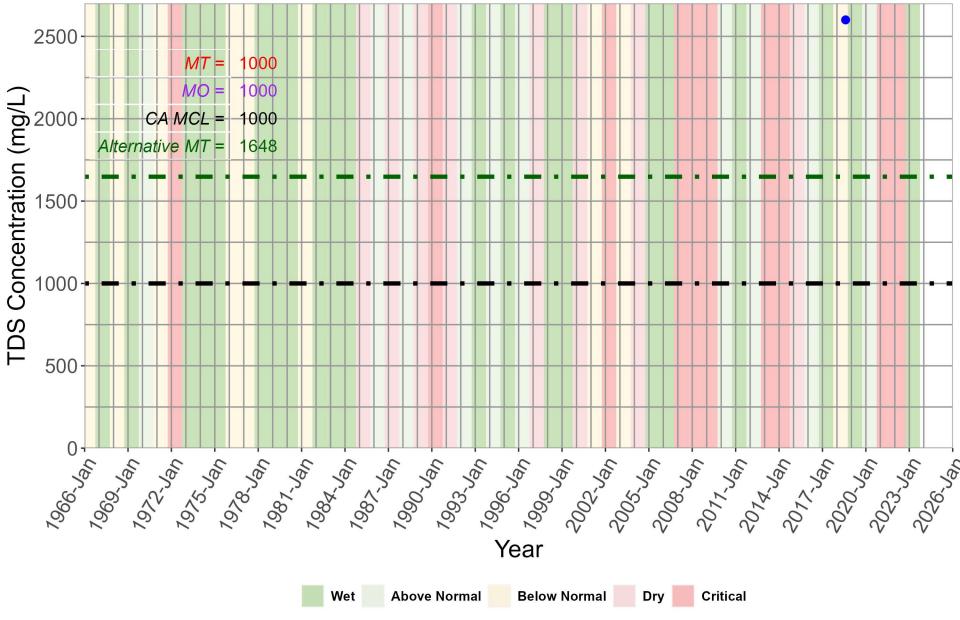
RMW-067a (35H RRBWSD Shop)

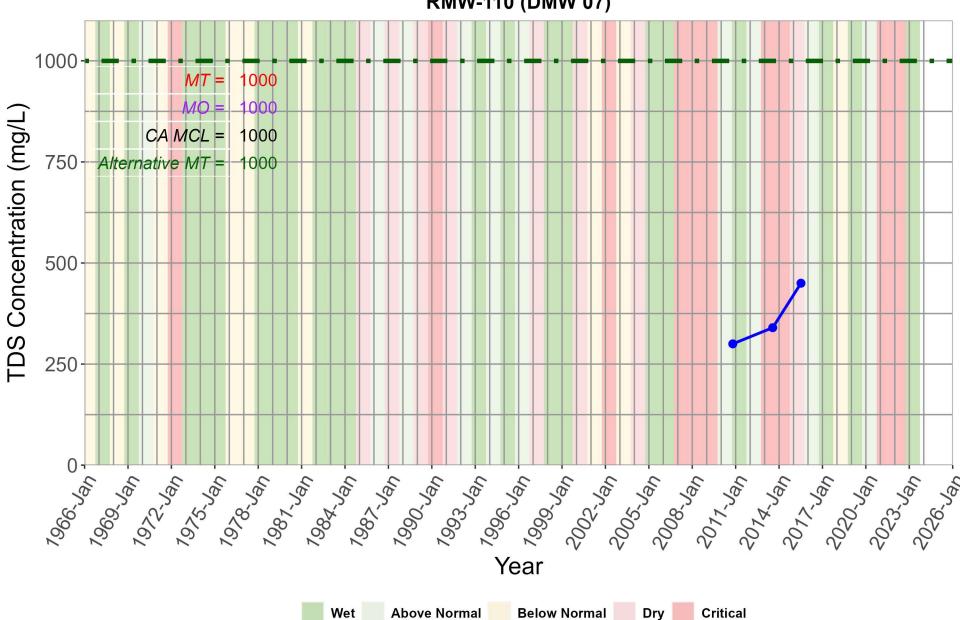




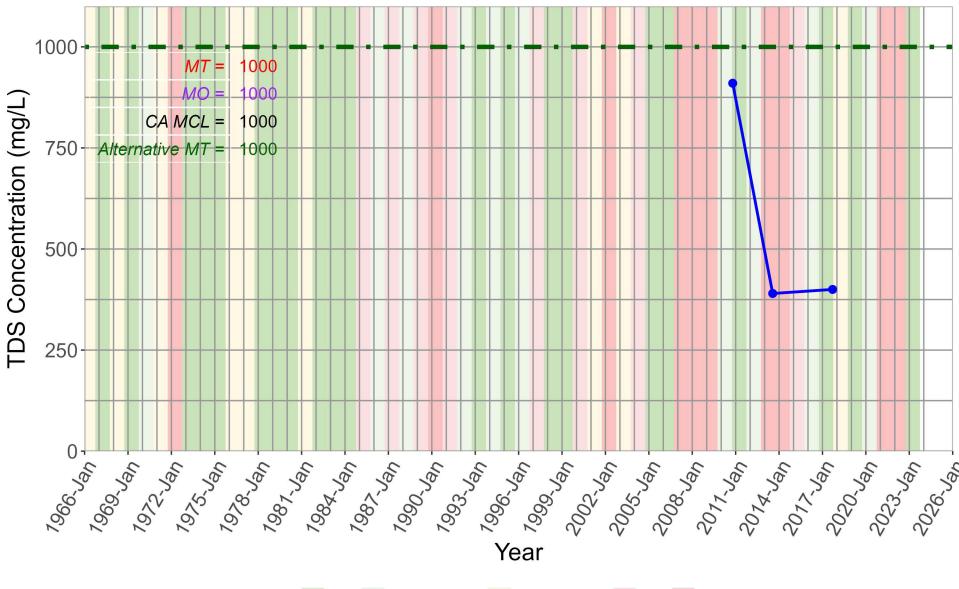


RMW-107 (28S22E10D002M), AGC100012323-BVCWD00002





RMW-110 (DMW 07)



Wet

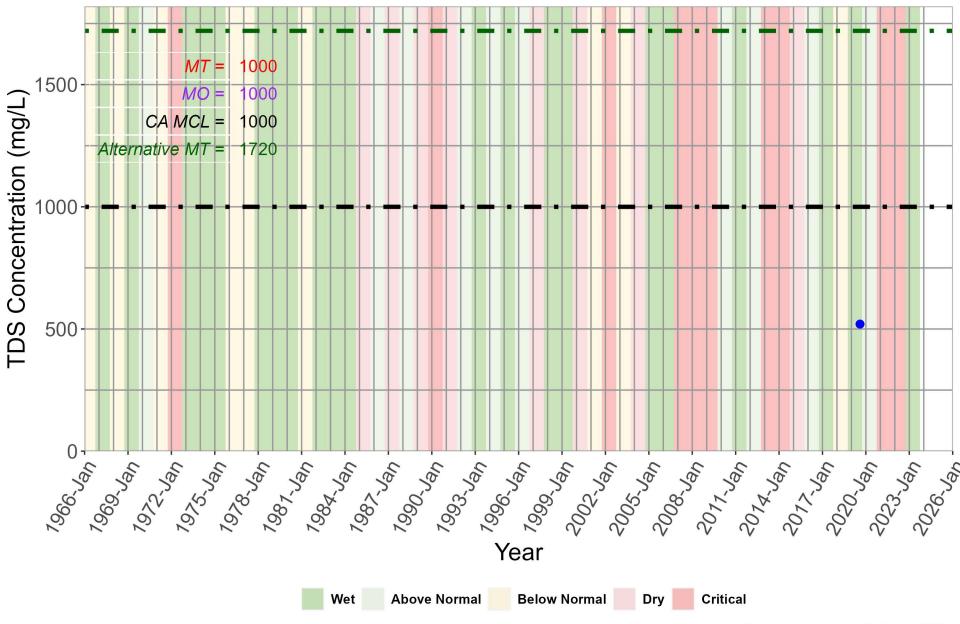
Above Normal

Below Normal

Dry

Critical

RMW-113b (DMW12b)

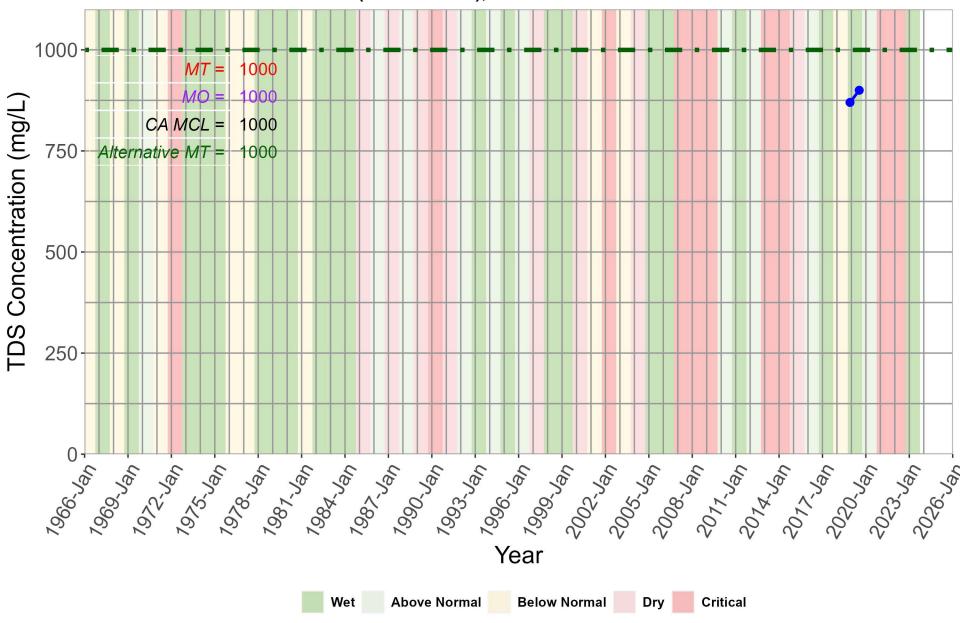


RMW-115 (HMWD #28), AGC100012326-KRWCA00026

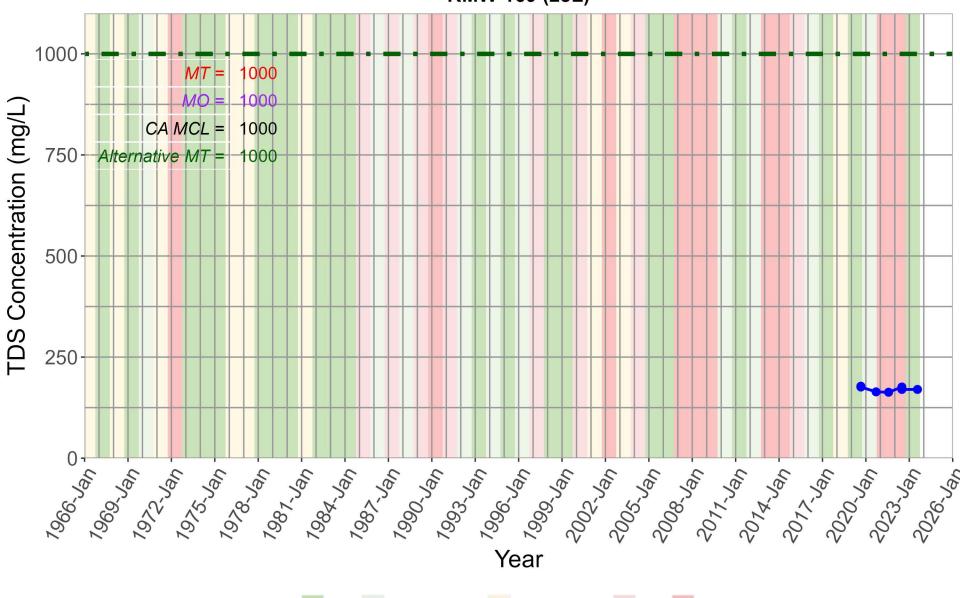
1000 MΤ 1000 10 1000 TDS Concentration (mg/L) CA MCL = 1000 750-Alternative MT = 1000 500 250 0-Year

RMW-148 (88-29-014)

Critical



RMW-159 (SSJMUD 23), AGC100012326-KRWCA00030



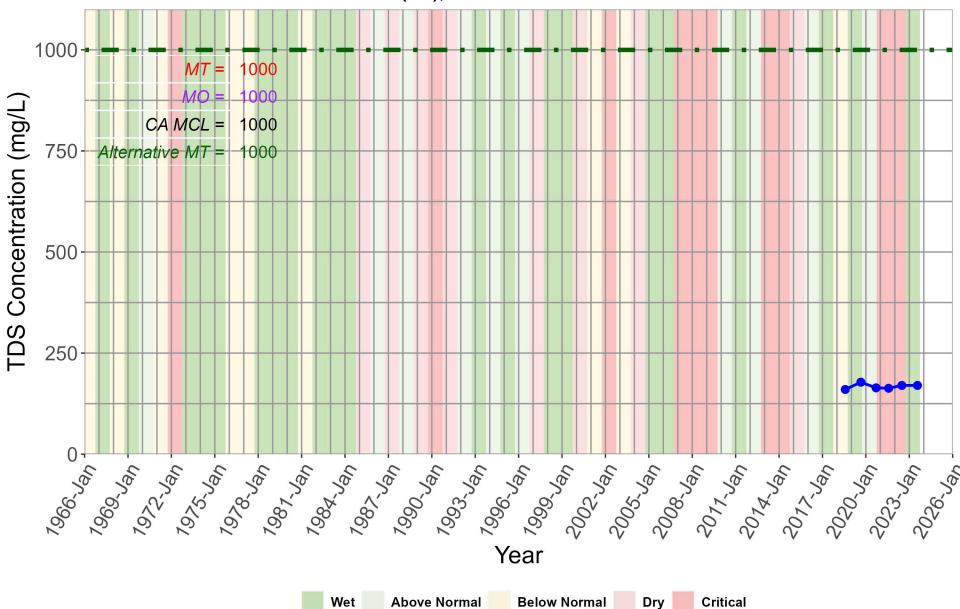
Wet

Above Normal

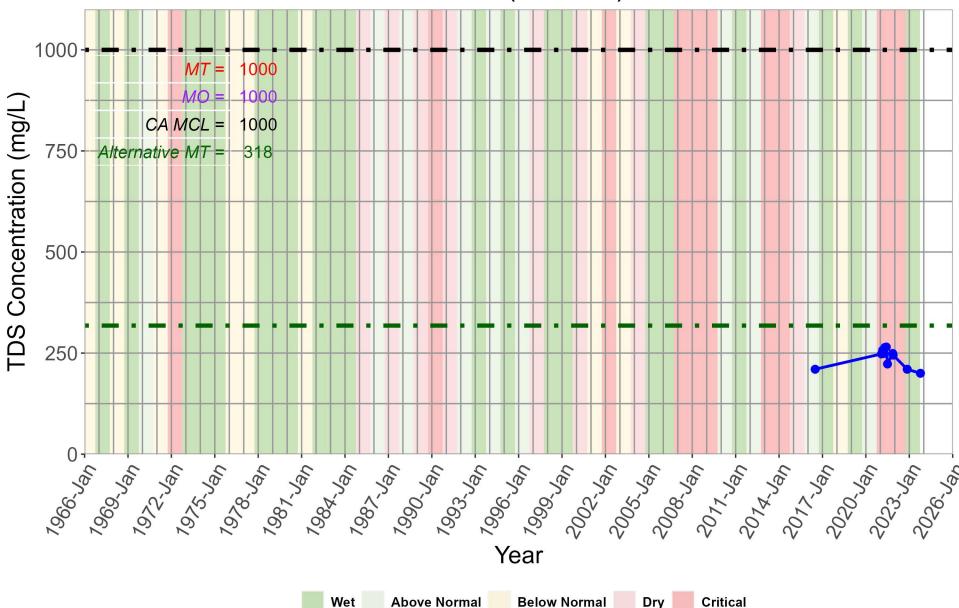
Below Normal Dry

Critical

RMW-169 (28L)

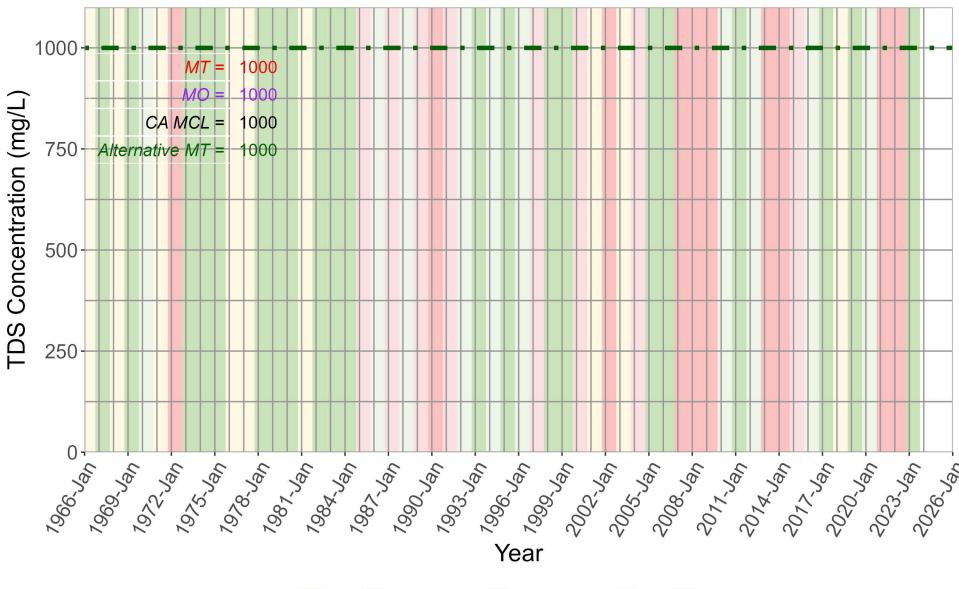


RMW-172 (6C), AGC100012324-CAWDC00009



^{*}Alternate TDS MT proposed is 20% increase of Max TDS of well

RMW-185 (EWMA #21)



Wet

Above Normal

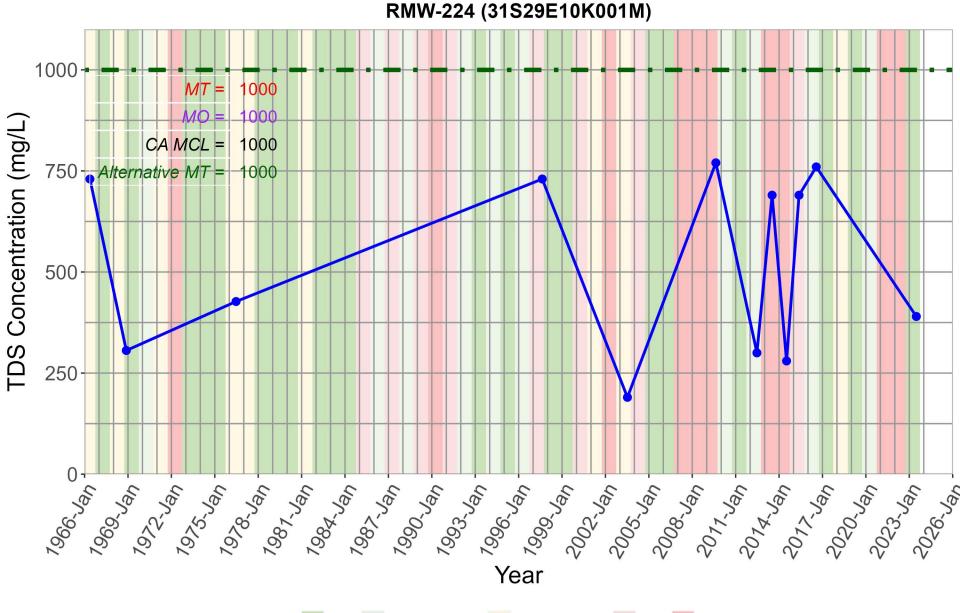
Below Normal

Dry

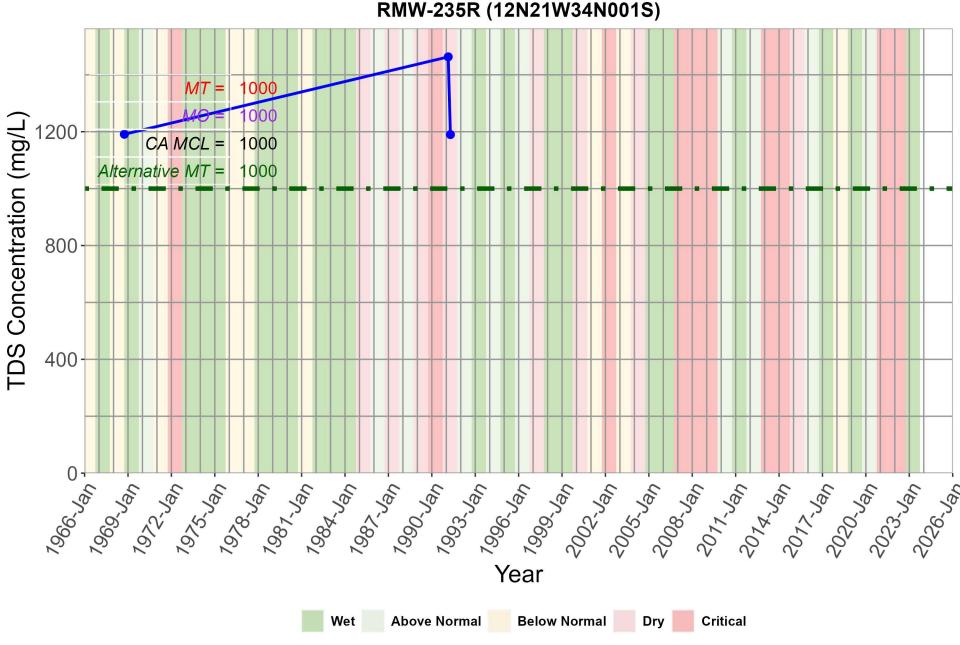
*Supplemental monitoring required – preliminary SMCs

Critical

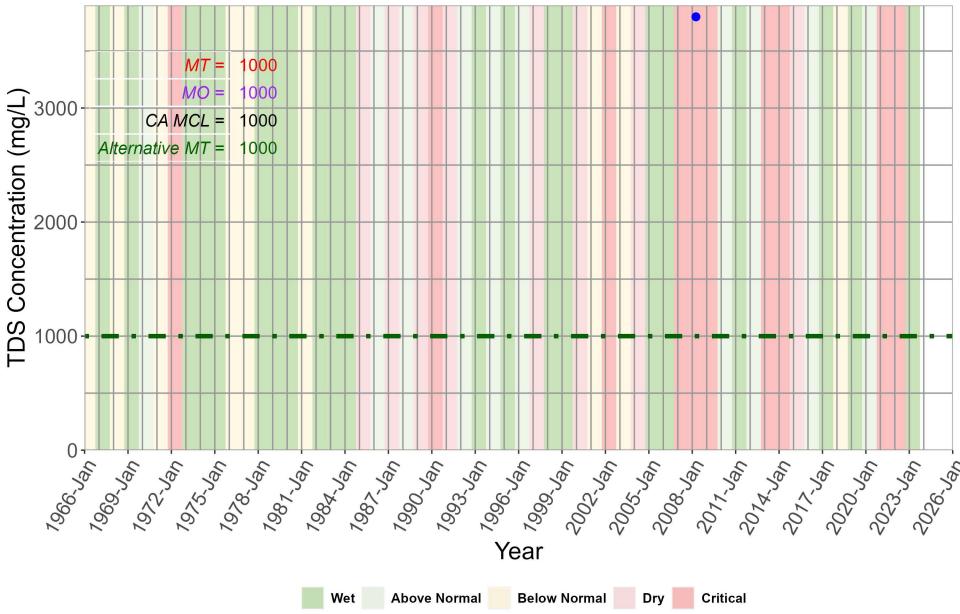
RMW-211 (CWS)



Critical



^{*}Supplemental monitoring required – preliminary SMCs

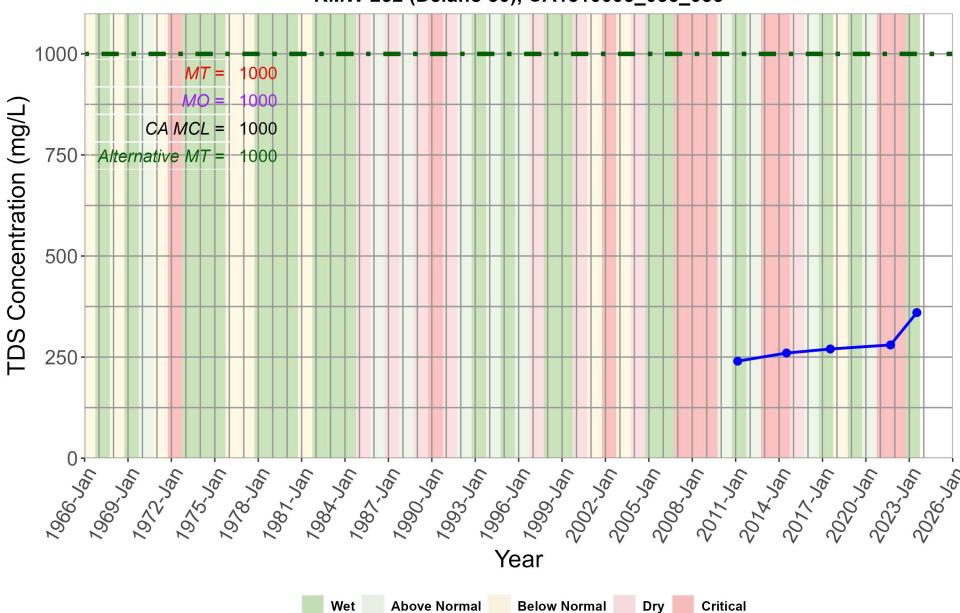


RMW-239 (32S25E29Q001M)

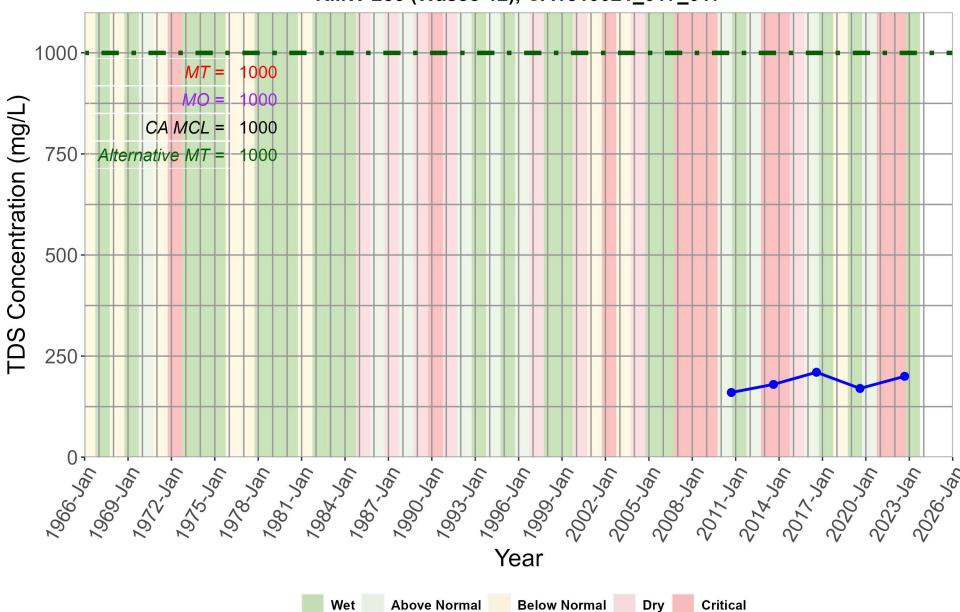
000 MΤ 000 TDS Concentration (mg/L) CA MCL = 1000 000 Alternative MT = 1000 500 ⁷96. Jah ⁹96. Jah ⁹96. Jah ⁹92. Jah ⁹93. Jah ⁹93. Jah ⁹93. Jah ⁹93. Jah ⁹93. Jah ⁹94. Jah ⁹94. Jah ⁹95. Year Wet **Above Normal Below Normal** Dry Critical

*Supplemental monitoring required – preliminary SMCs

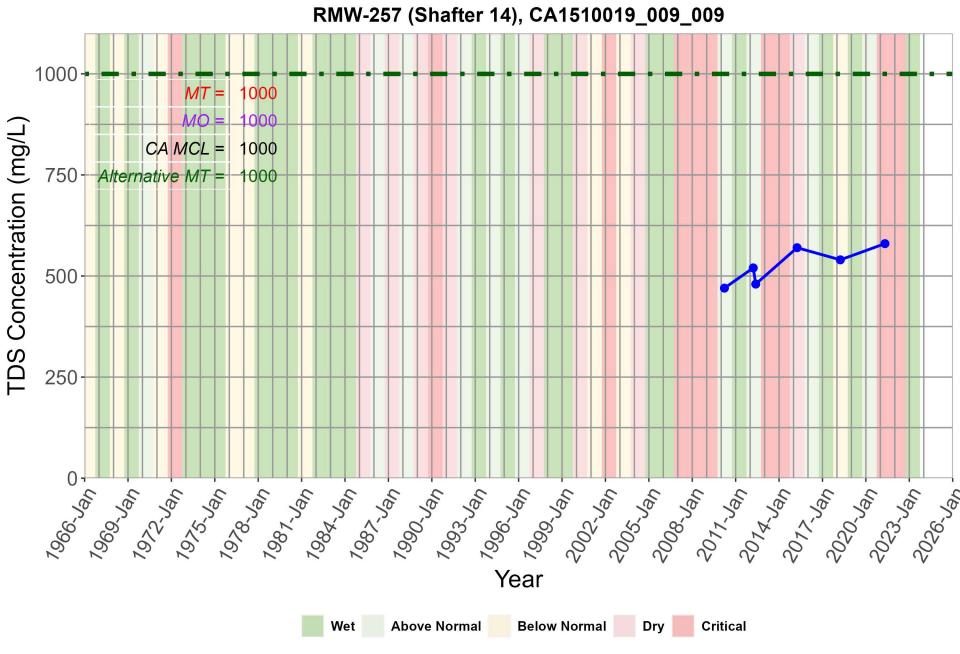
RMW-240

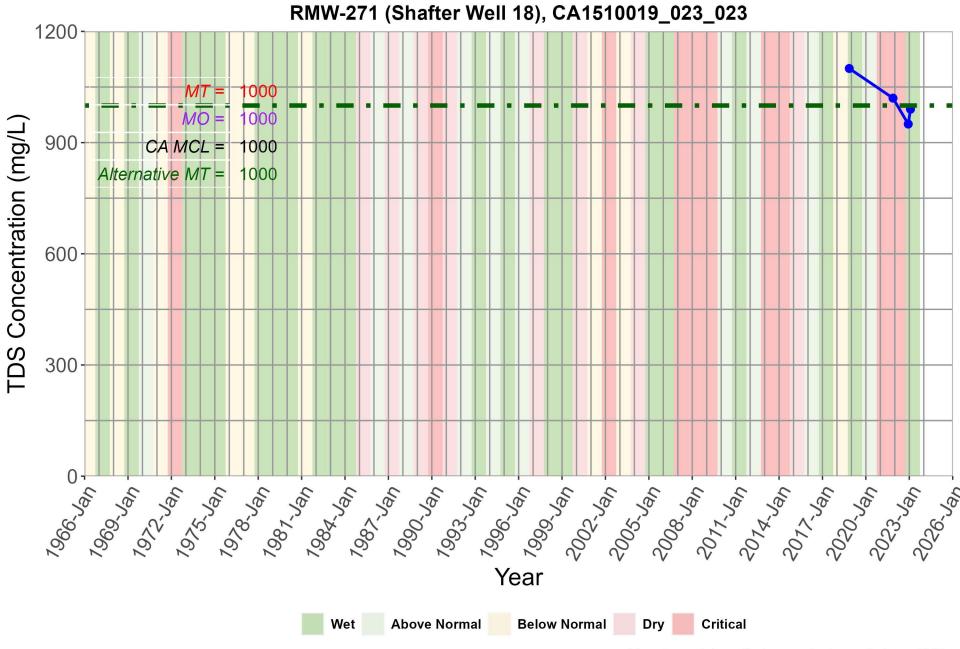


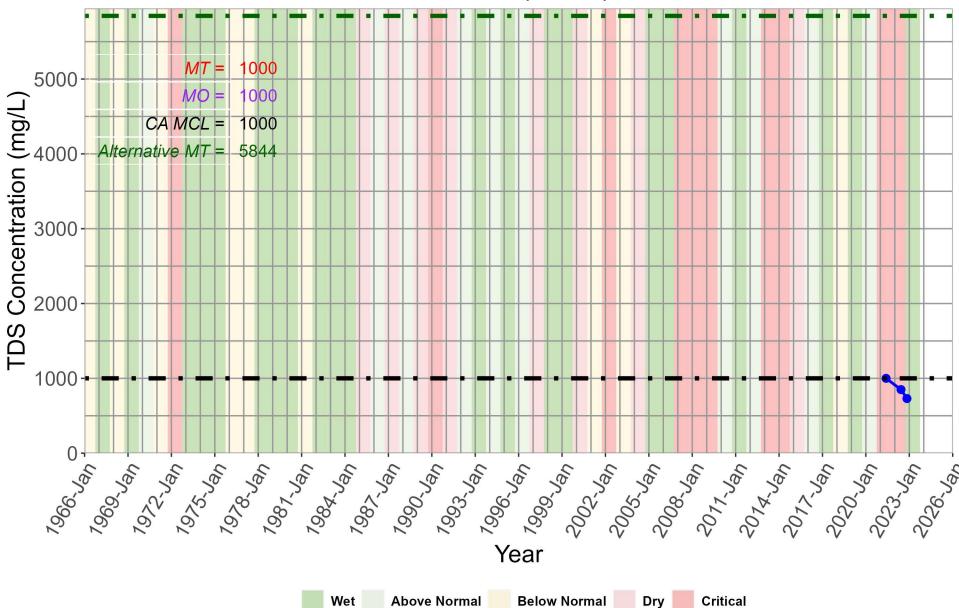
RMW-252 (Delano 30), CA1510005_036_036



RMW-256 (Wasco 12), CA1510021_017_017







RMW-275 (7108-66)

1000 1000 10 1000 Concentration (mg/L) CA MCL = 1000 750-Alternative MT = 382 500 TDS 250 0-Year

Wet

Above Normal

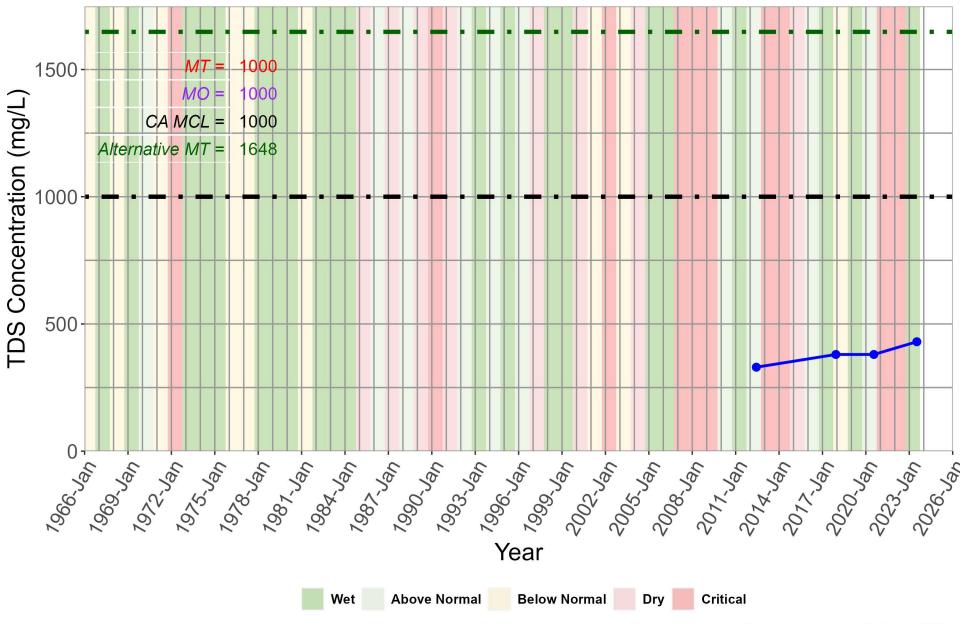
Below Normal

Dry

RMW-278 (EWMA #23)

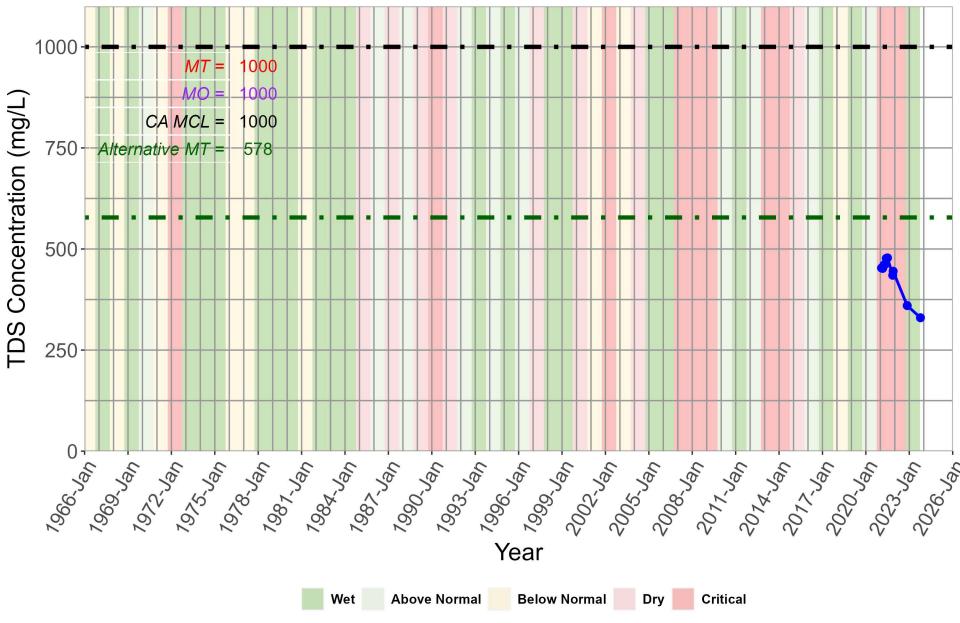
*Alternate TDS MT proposed is 20% increase of Max TDS of well

Critical

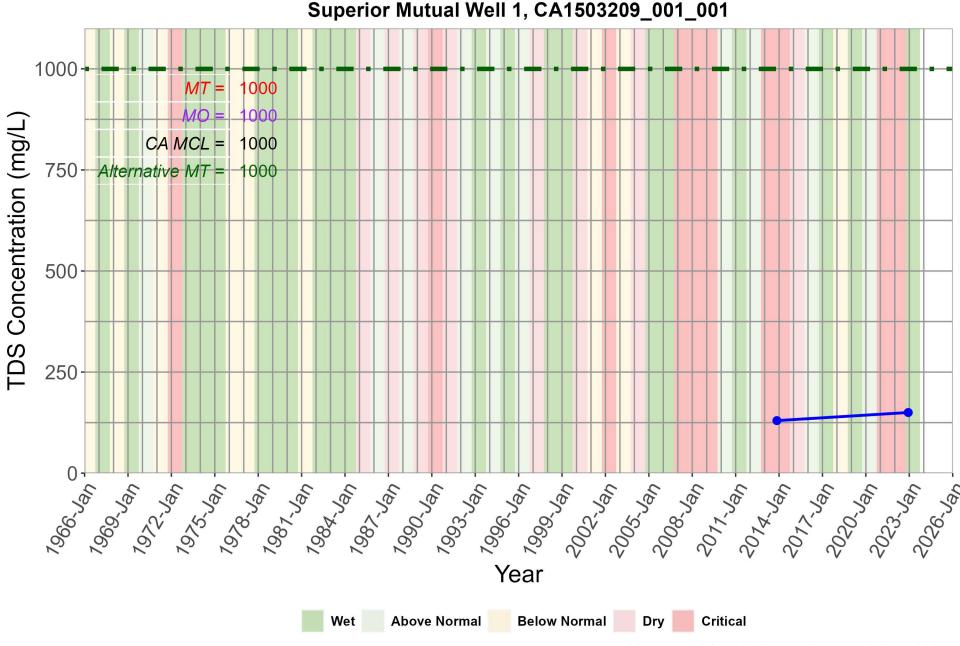


RMW-281 (Delano 34), CA1510005_047_047

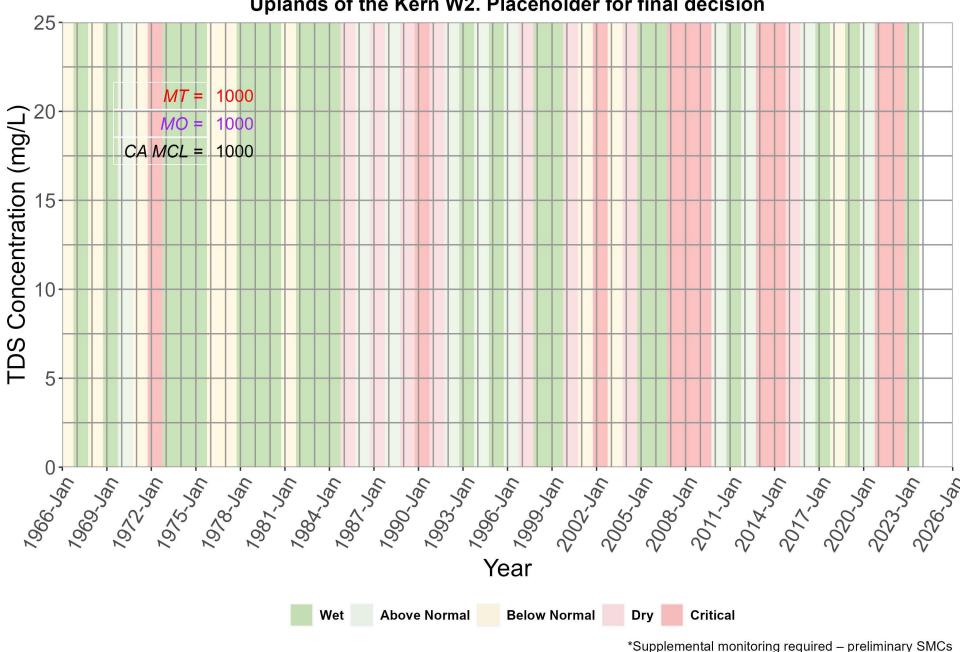
RMW-288 (EWMA #49)



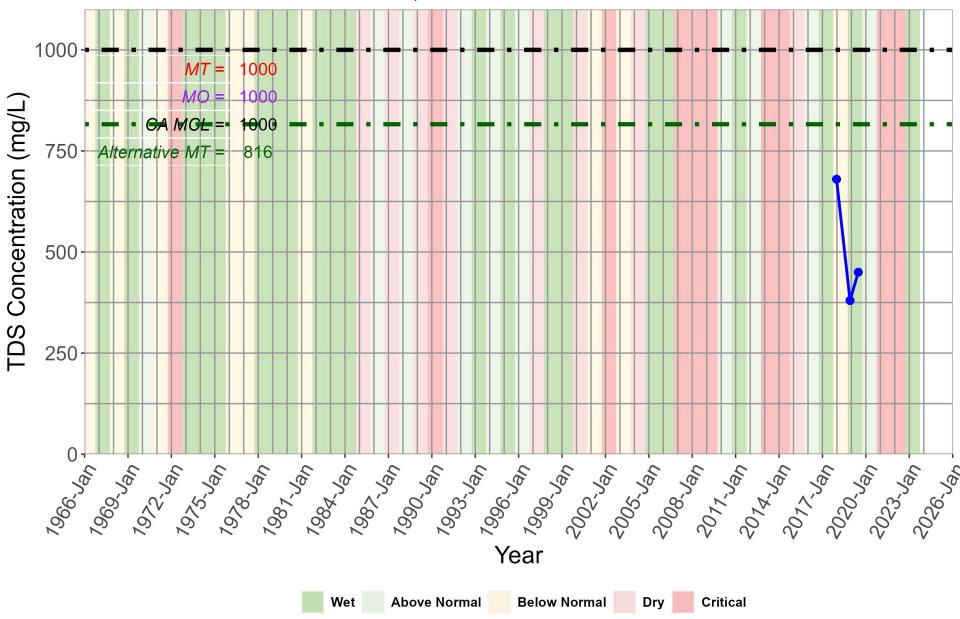
*Alternate TDS MT proposed is 20% increase of Max TDS of well



^{*}Supplemental monitoring required – preliminary SMCs

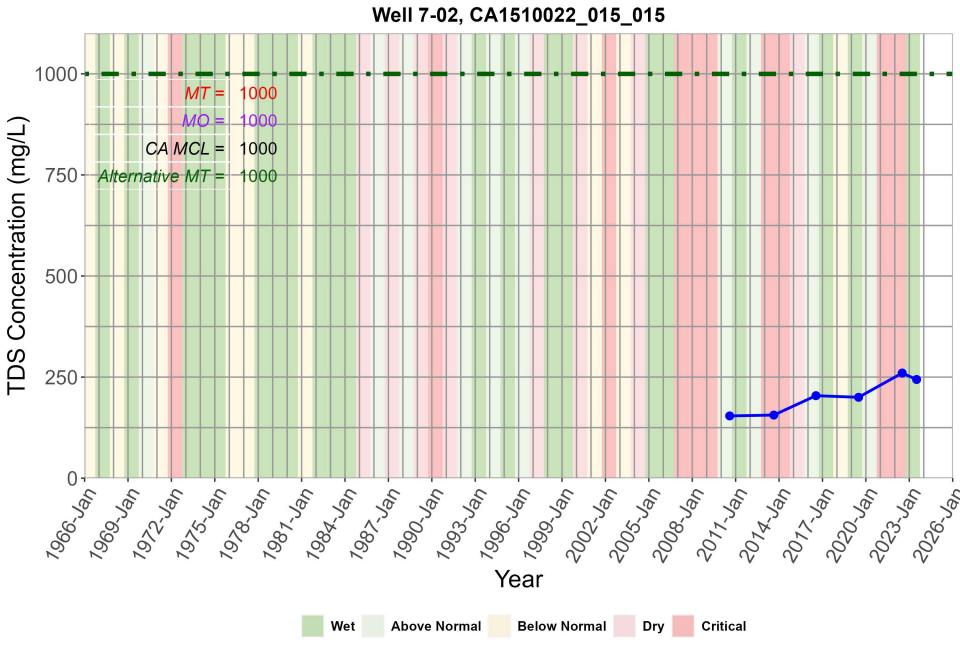


Uplands of the Kern W2. Placeholder for final decision

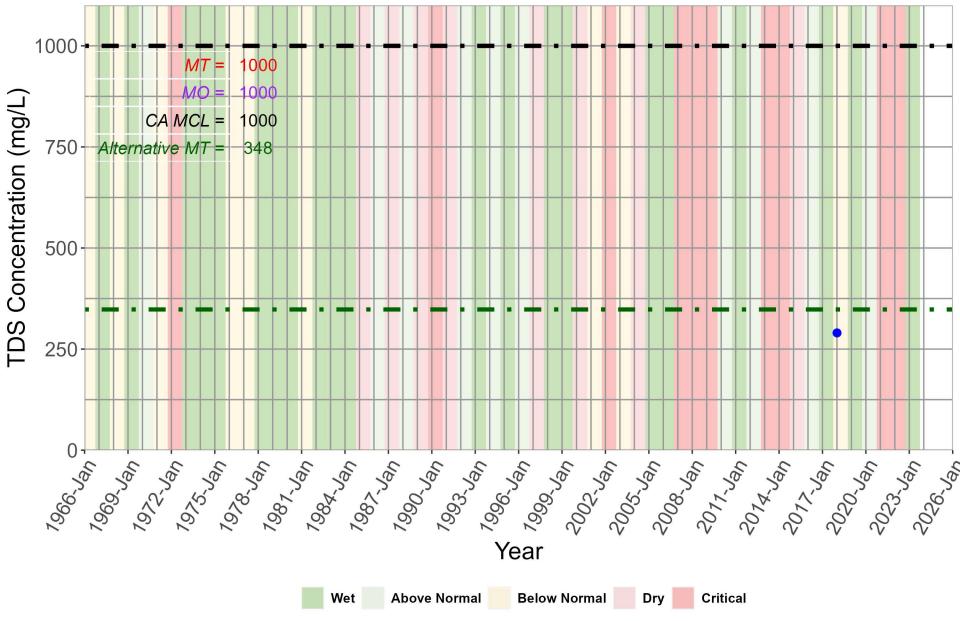


*Supplemental monitoring required – preliminary SMCs; Alternate TDS MT proposed is 20% increase of Max TDS of well

Well 4D1, AGC100012326-KRWCA00004

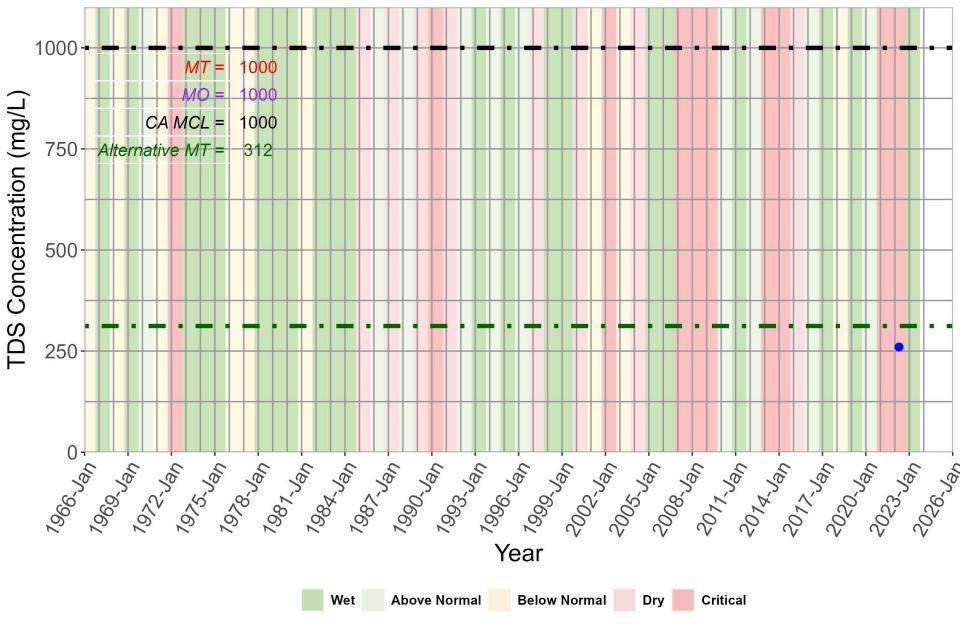


Well 12A1



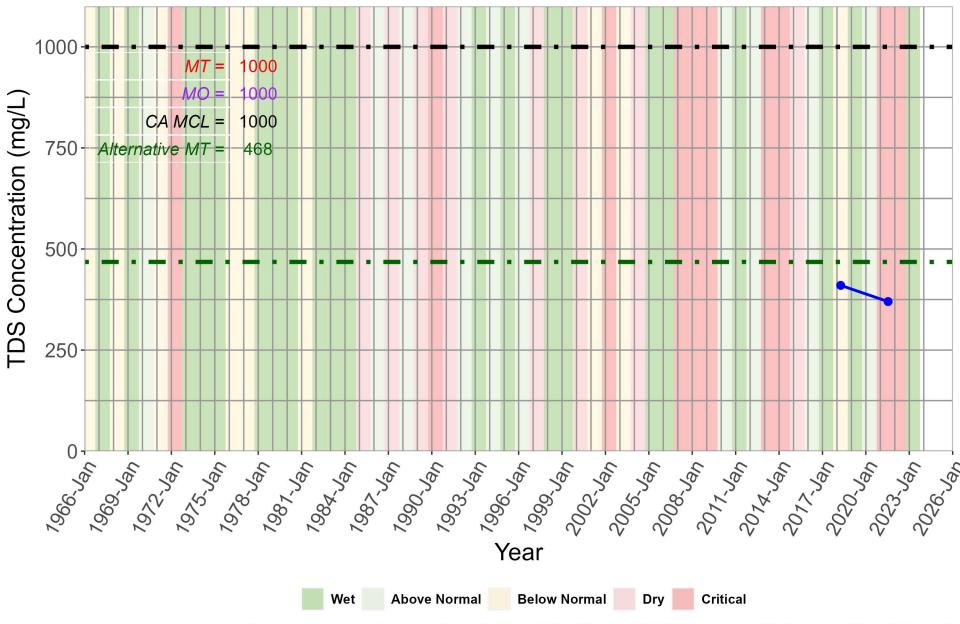
*Supplemental monitoring required – preliminary SMCs; Alternate TDS MT proposed is 20% increase of Max TDS of well

Well 12A2



*Supplemental monitoring required – preliminary SMCs; Alternate TDS MT proposed is 20% increase of Max TDS of well

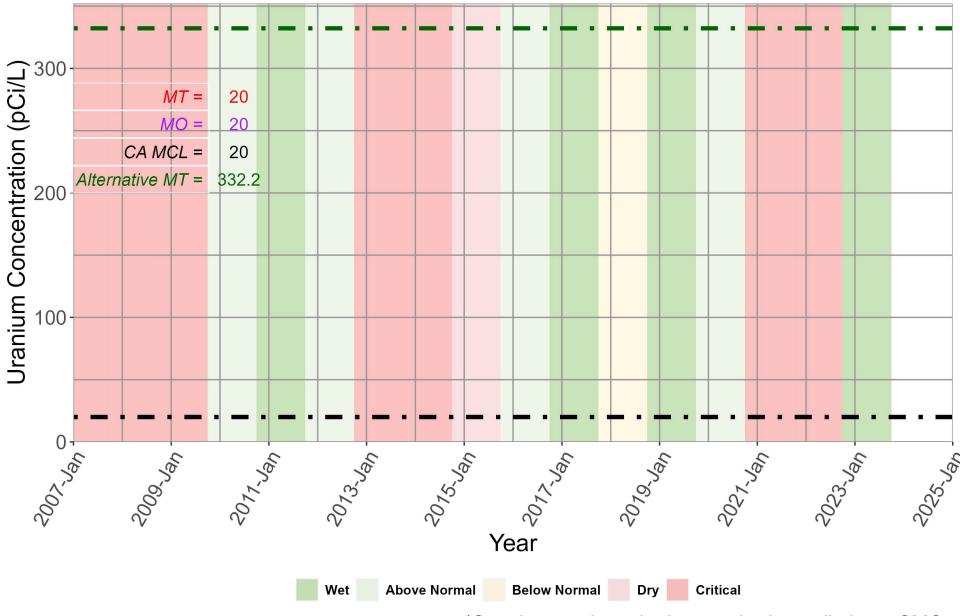
Well 27K1

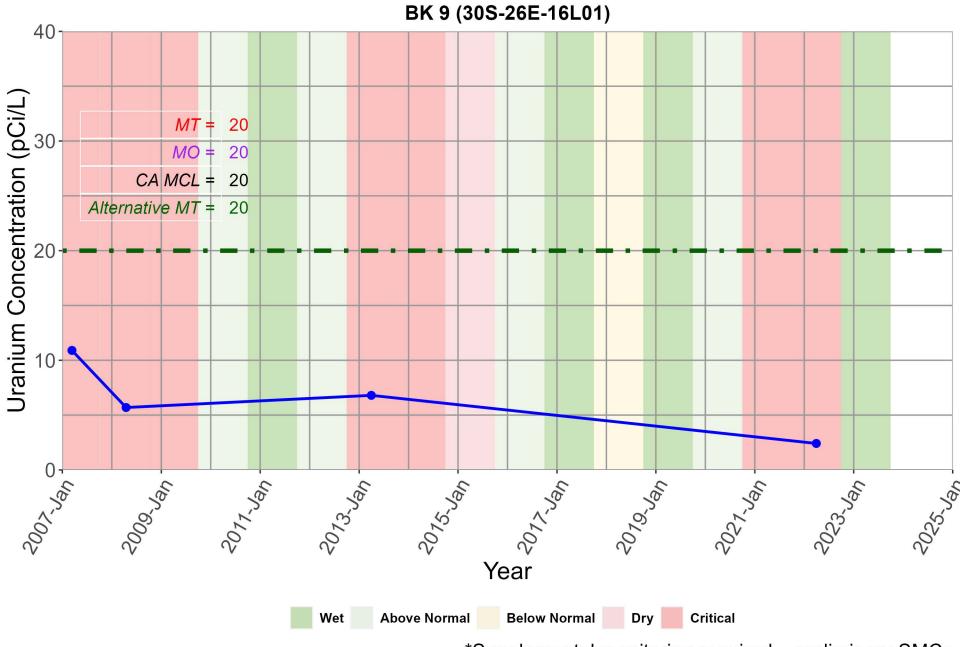


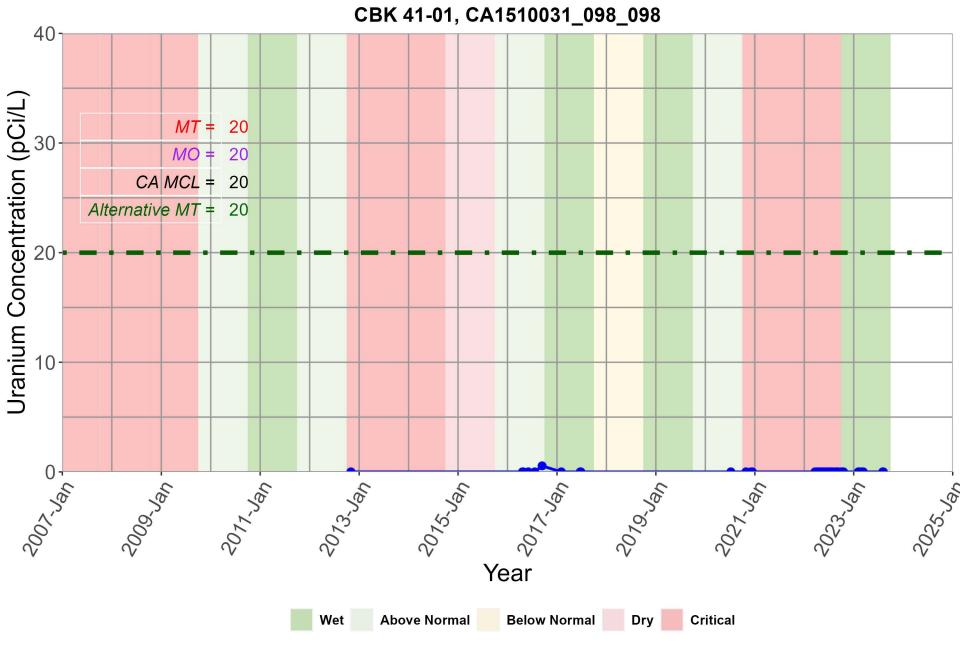
*Supplemental monitoring required – preliminary SMCs; Alternate TDS MT proposed is 20% increase of Max TDS of well

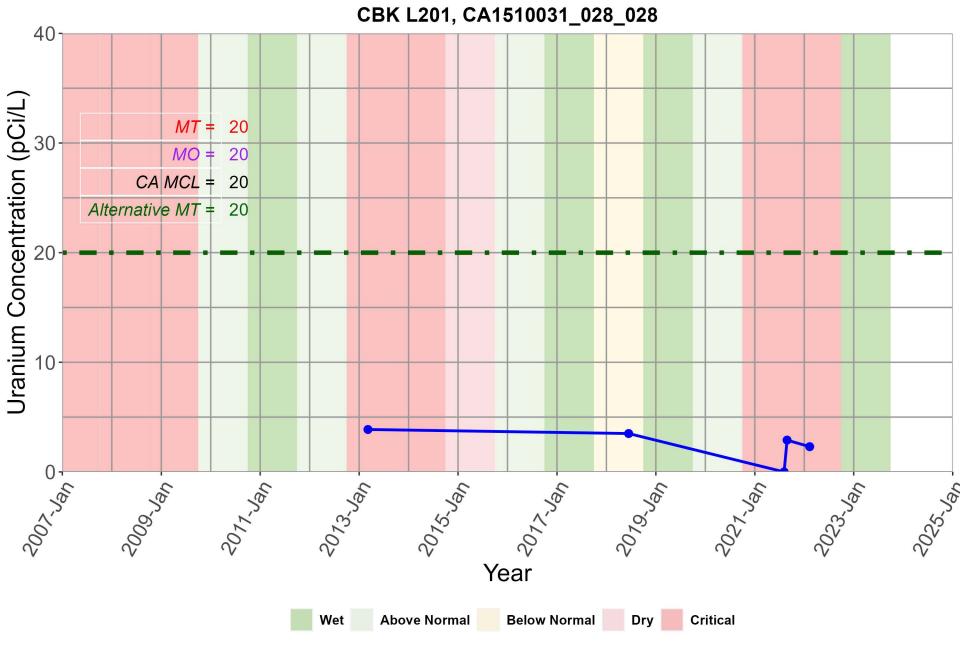
1.6 Uranium

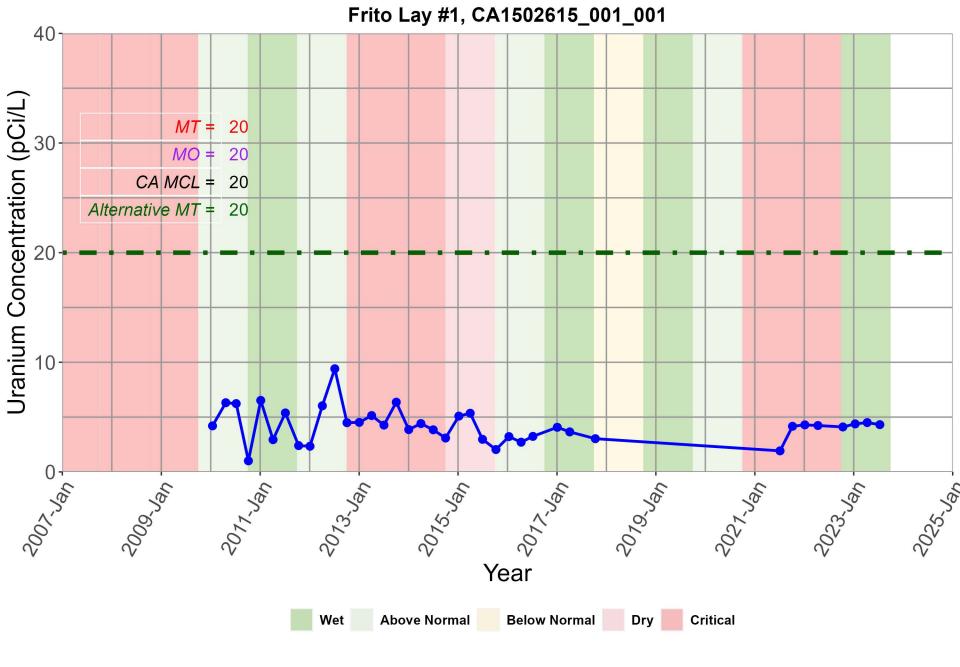
Berenda Mesa #3 - T26S-R19E Well 2 (WESTC00025)

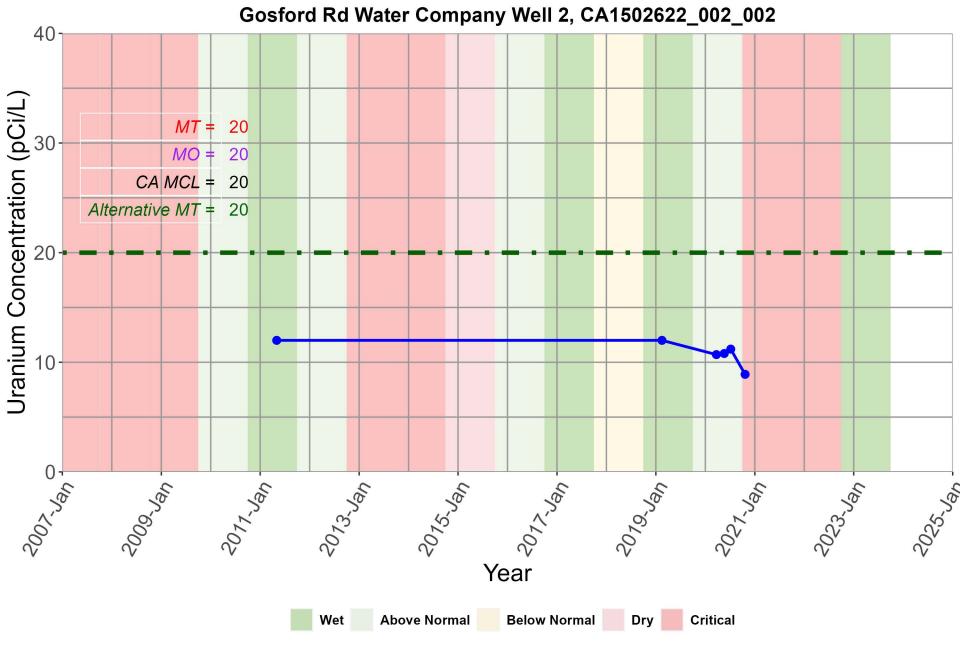


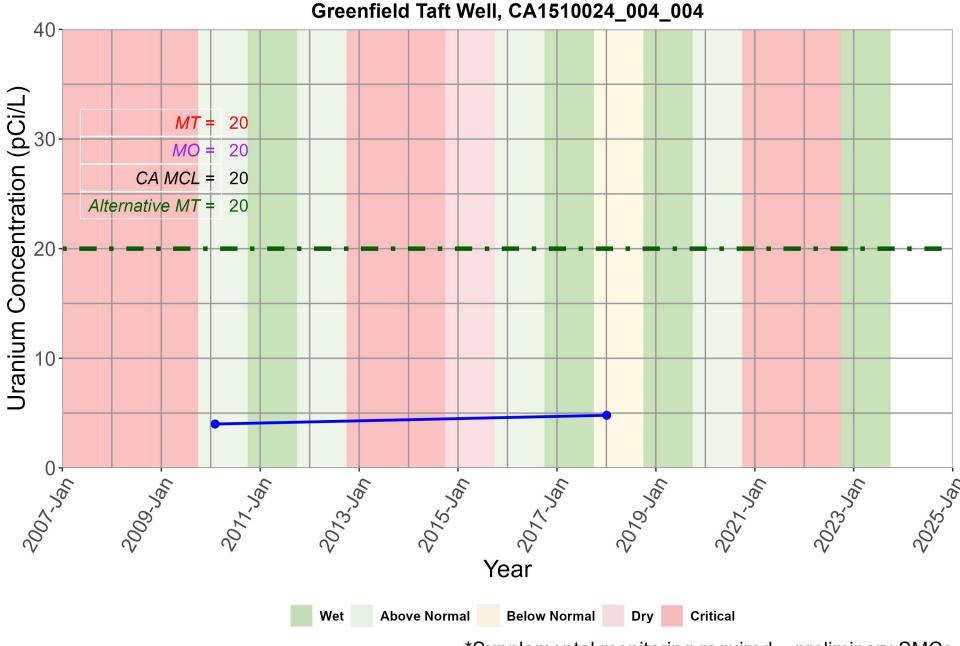


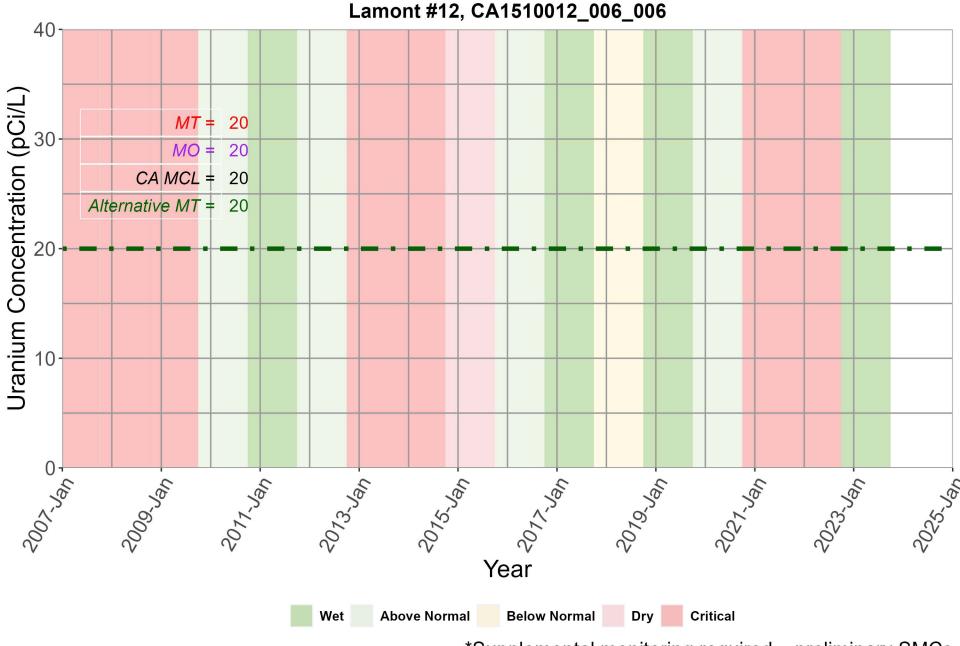


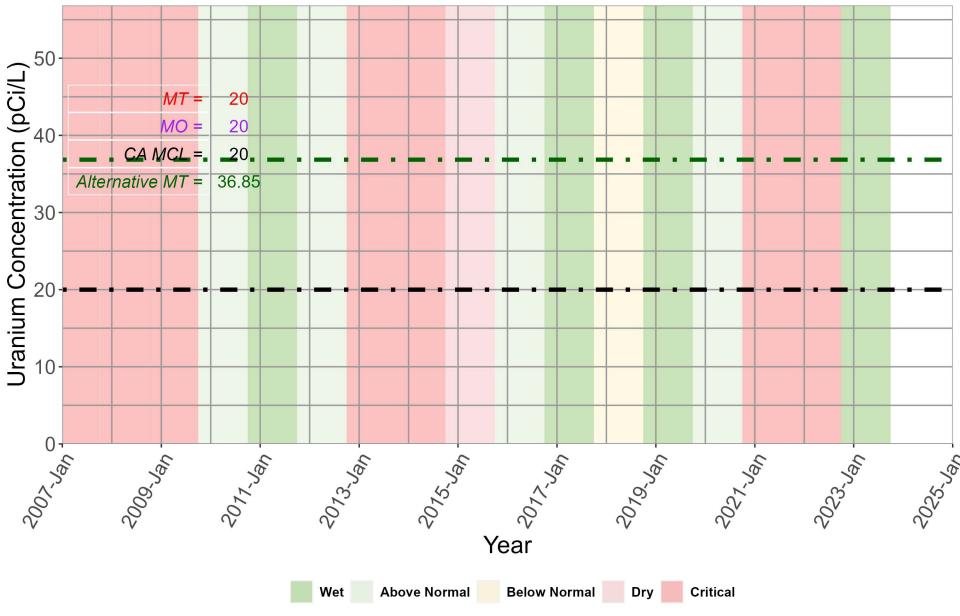




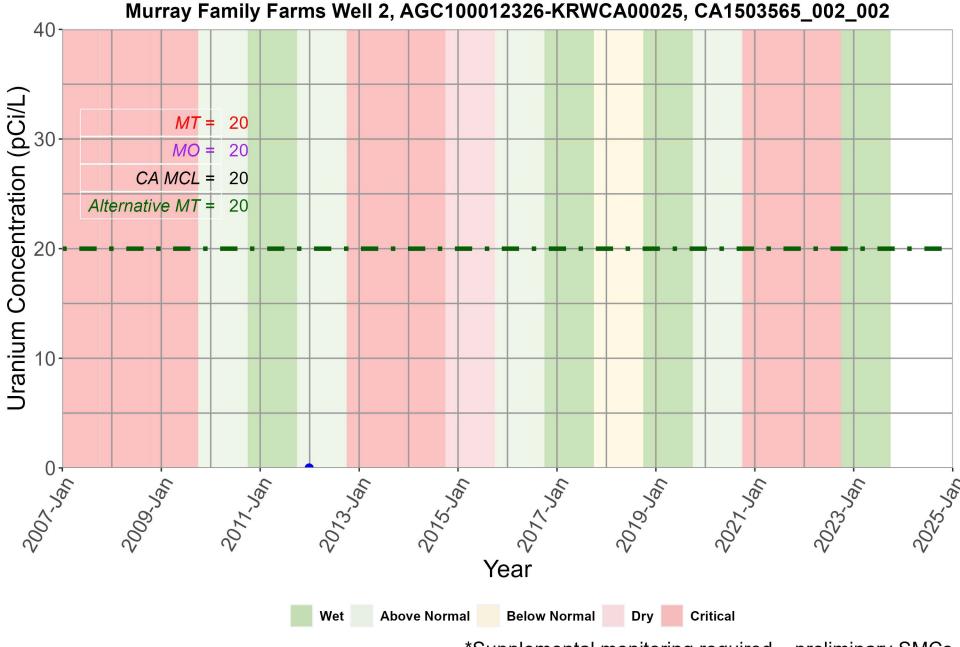


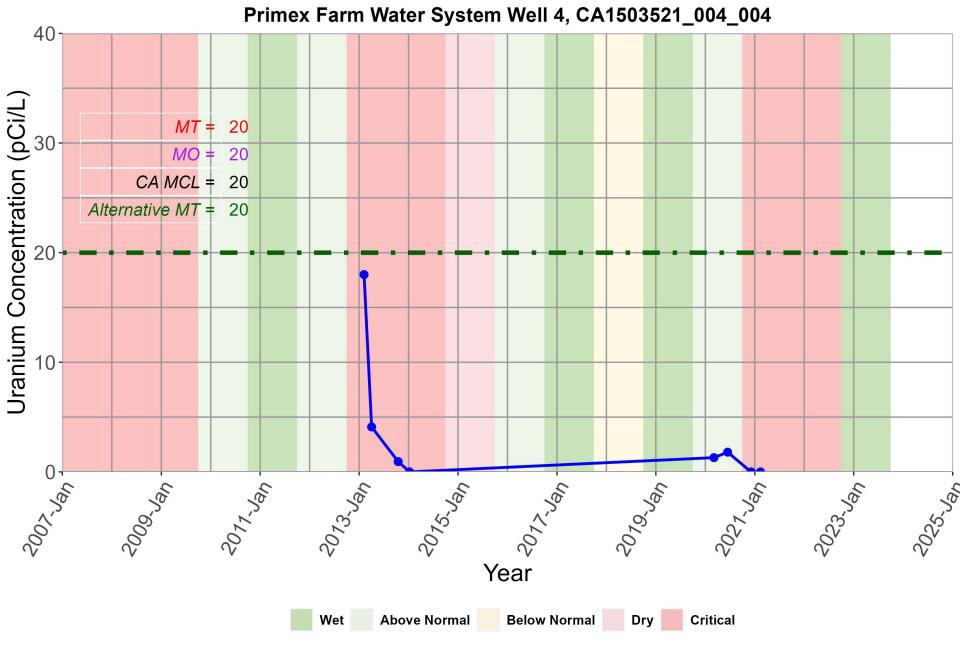




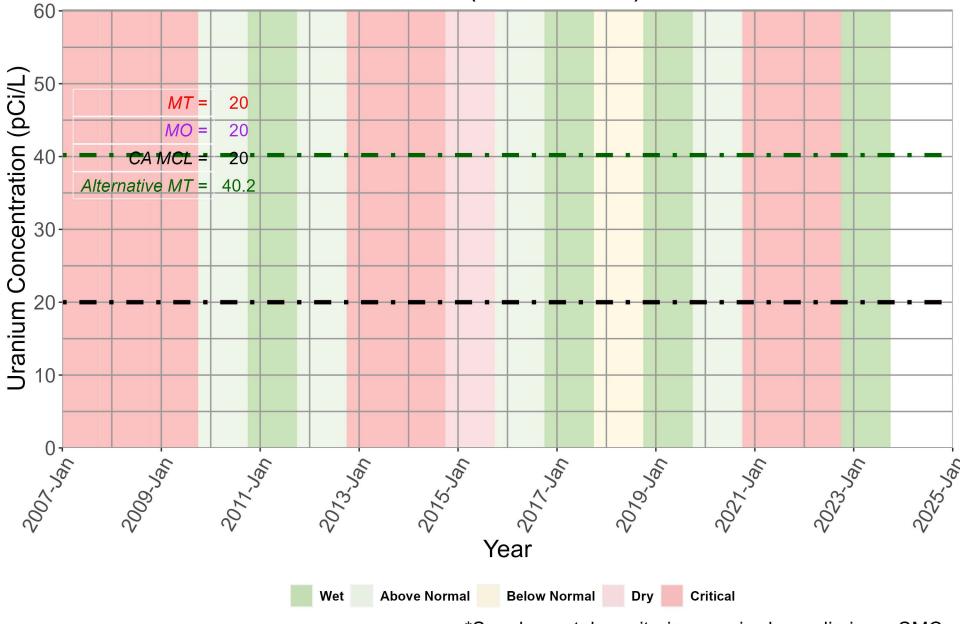


Lost Hills Utility District Well 3, CA1510046_006_006

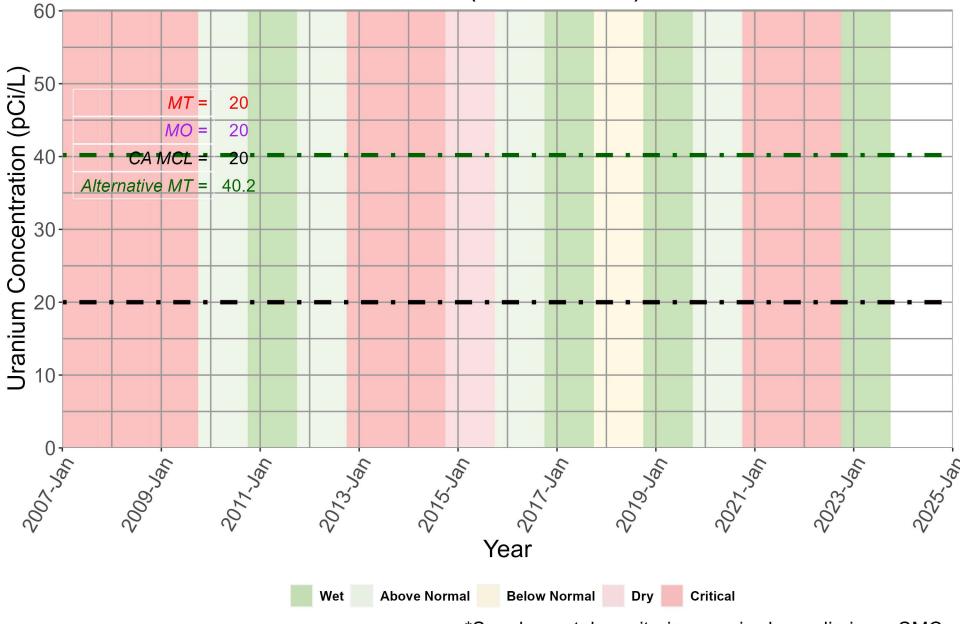


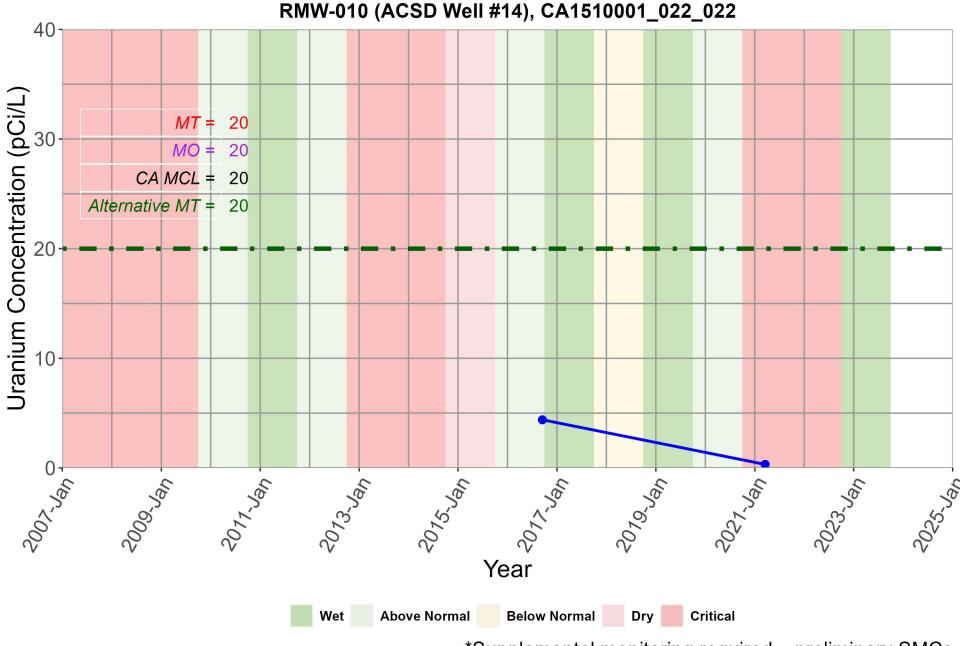


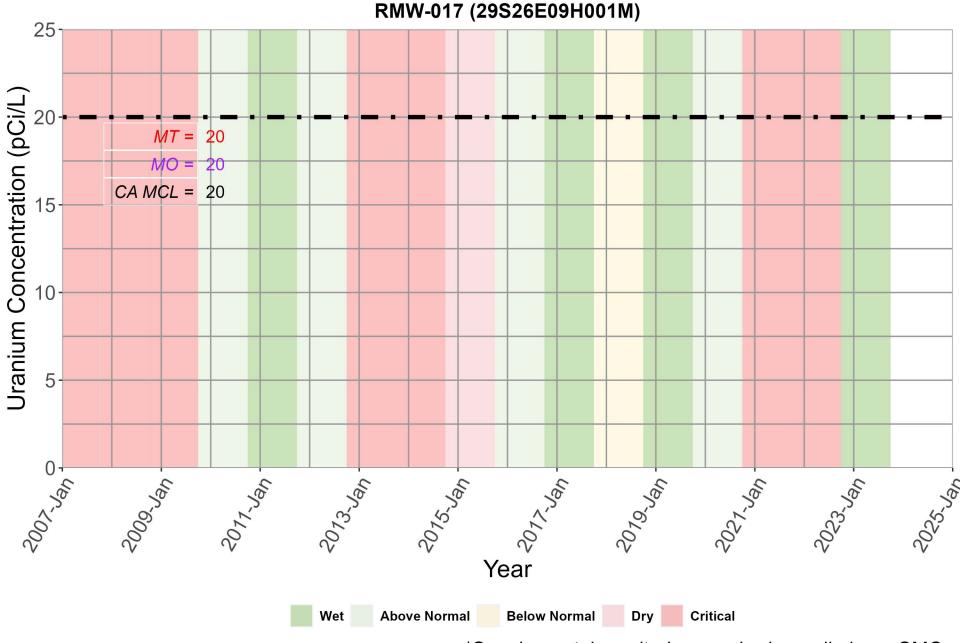
RMW-001 (29S29E33N001M)

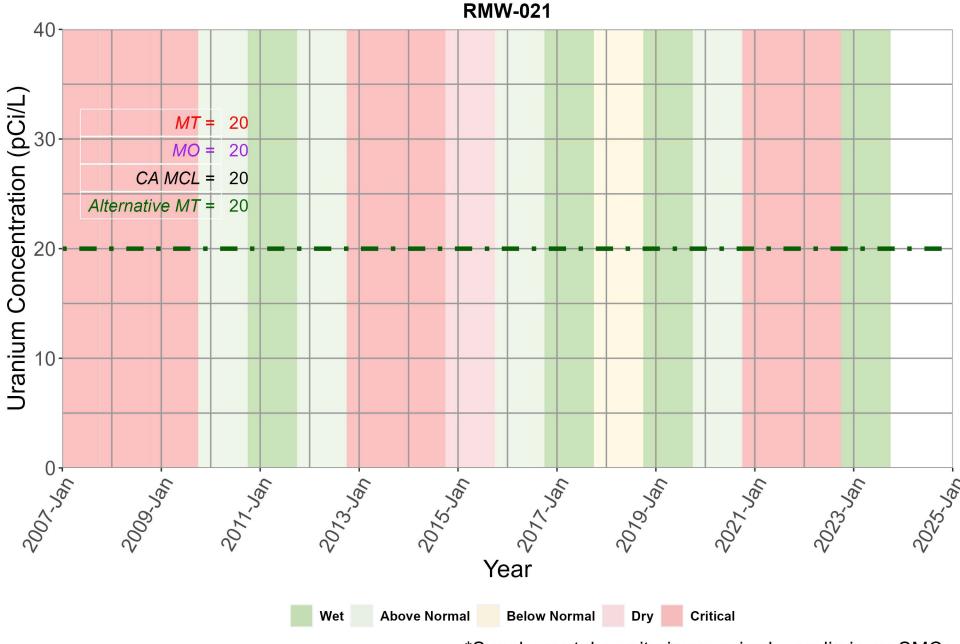


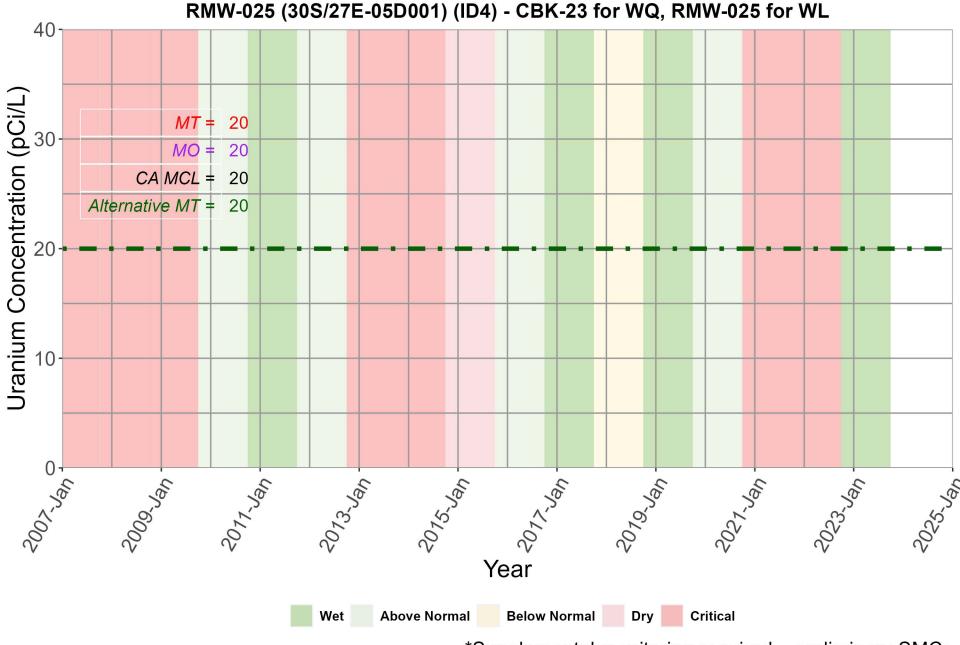
RMW-004 (30S29E29A001M)

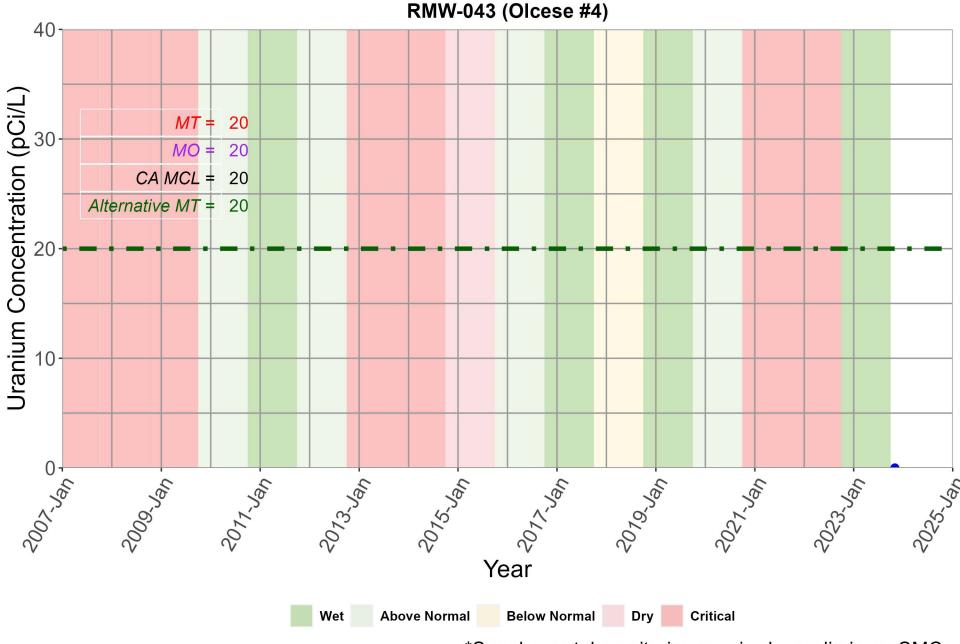


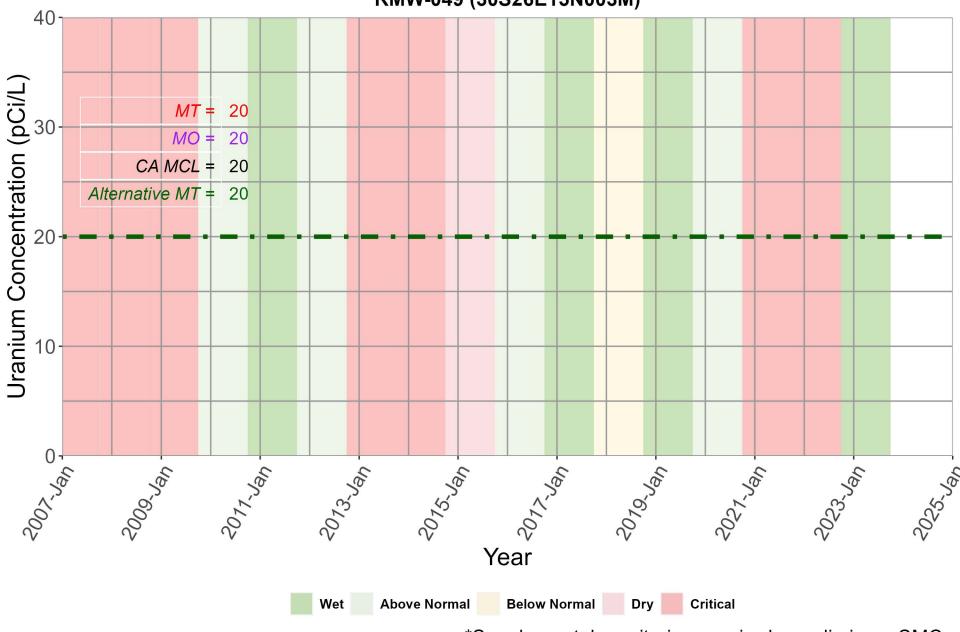






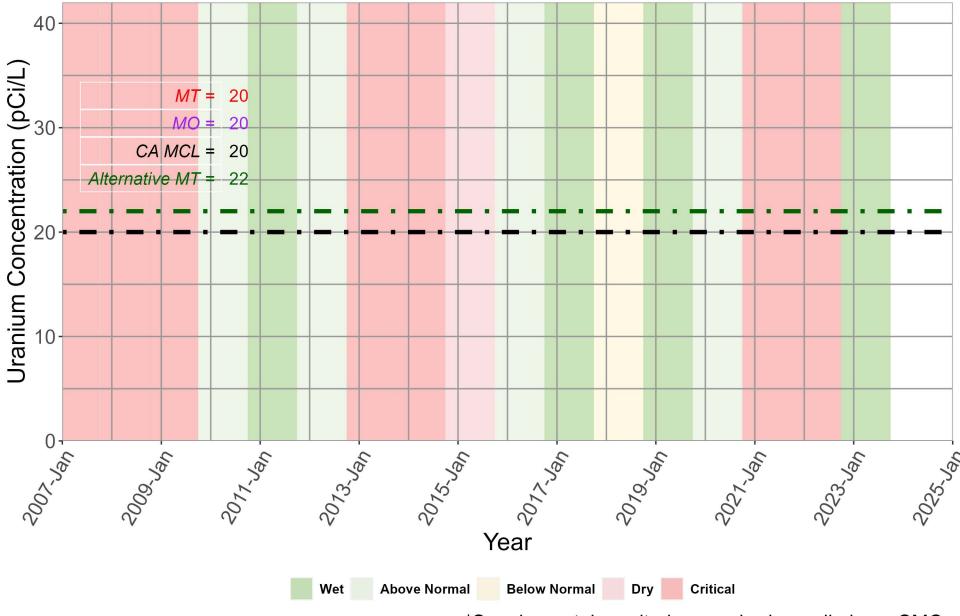


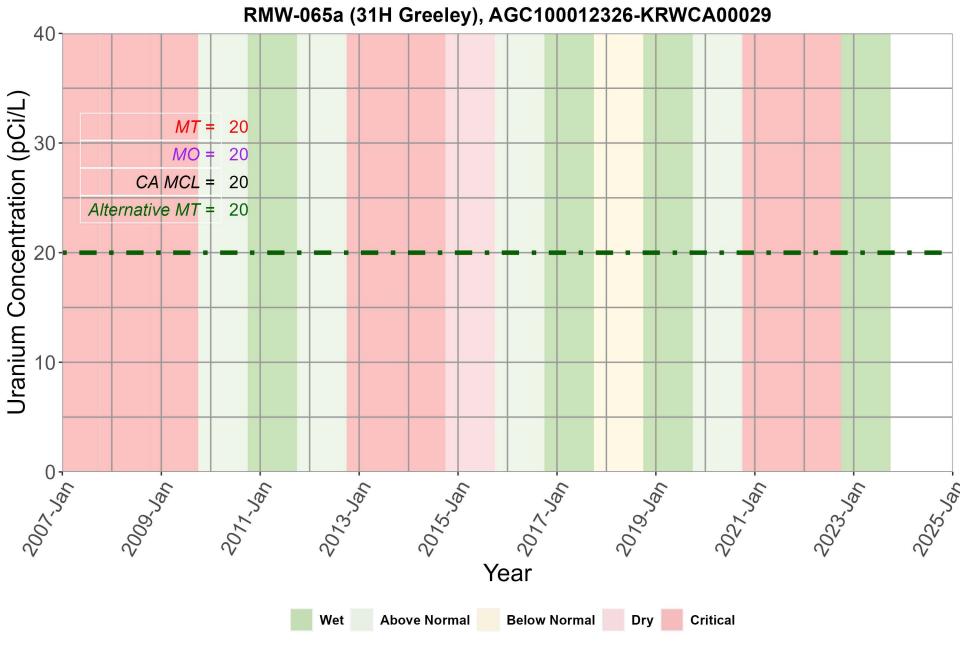


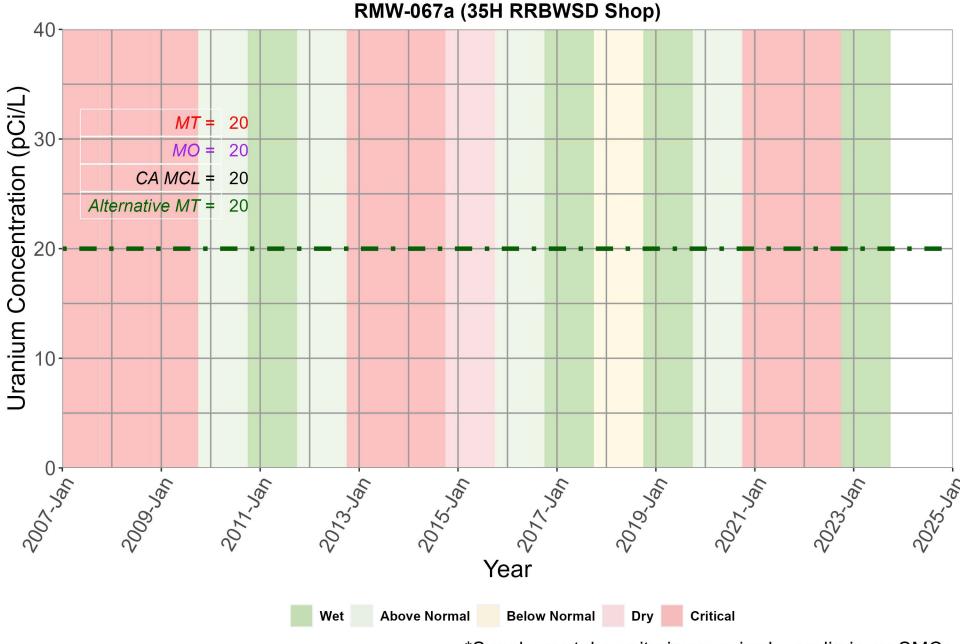


RMW-049 (30S26E15N003M)

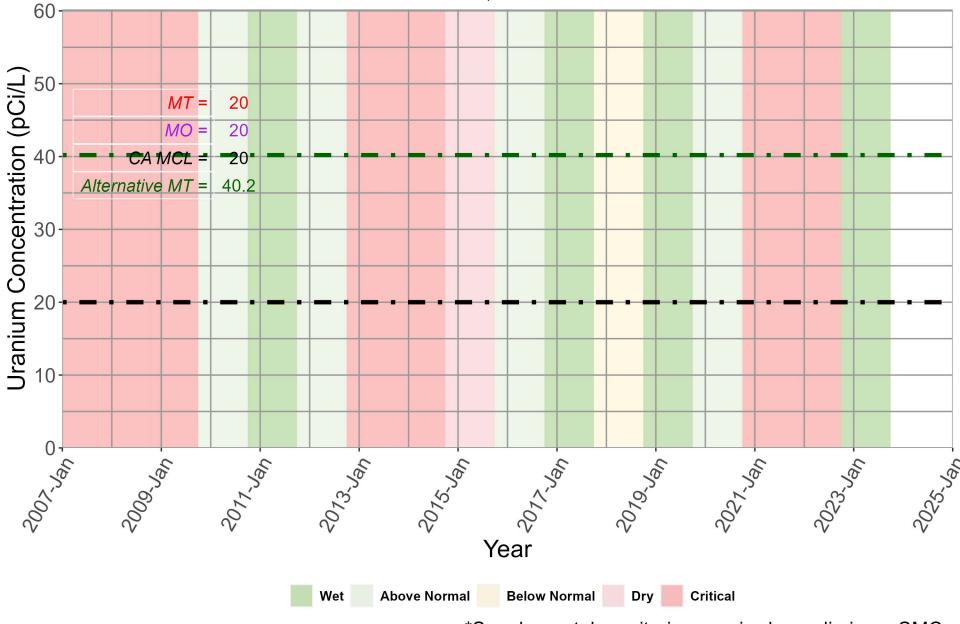
RMW-062a (25M Enos), AGC100012326-KRWCA00021



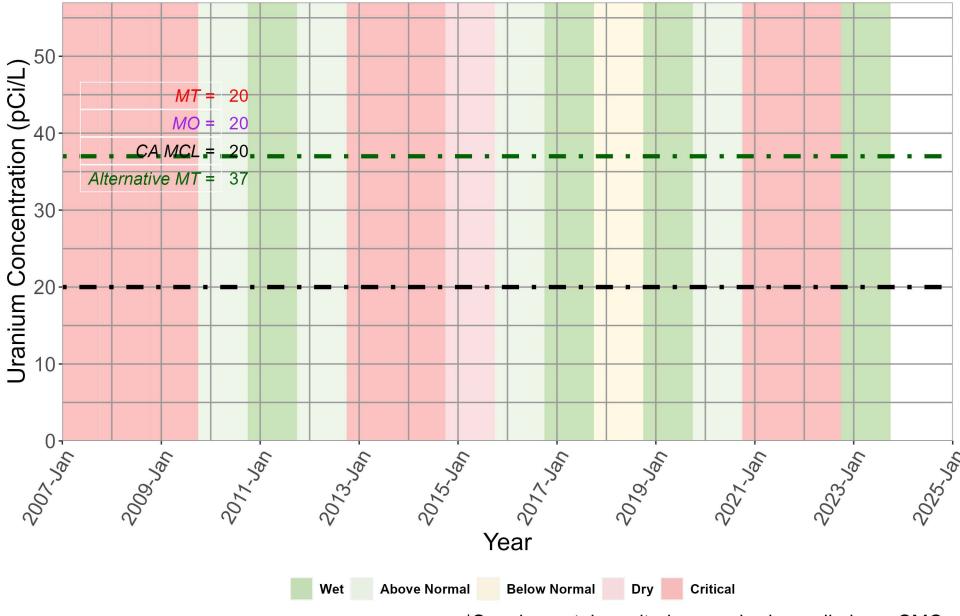




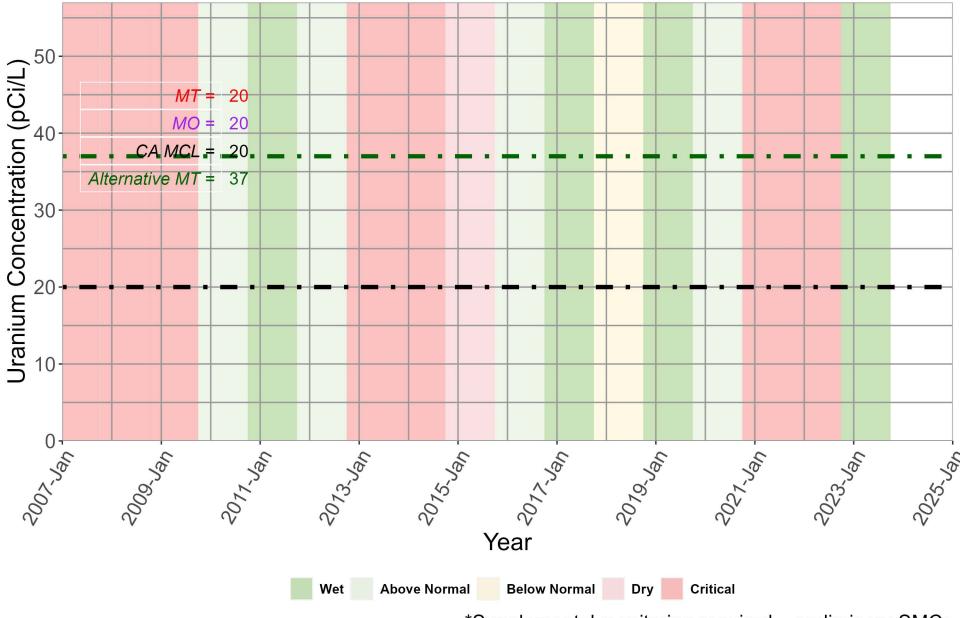
RMW-070, Caratan Well

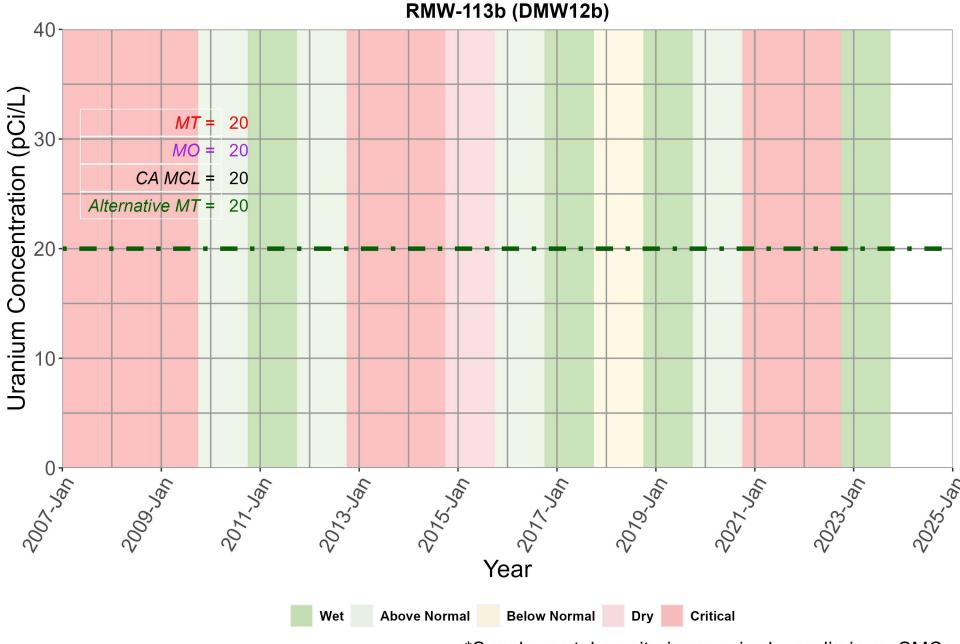


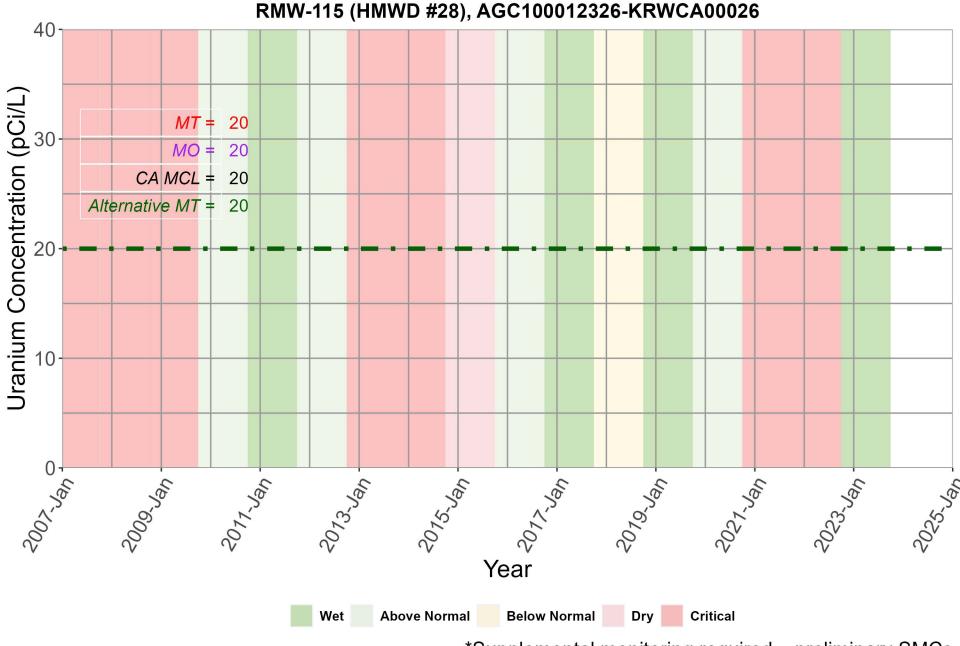
RMW-107 (28S22E10D002M), AGC100012323-BVCWD00002



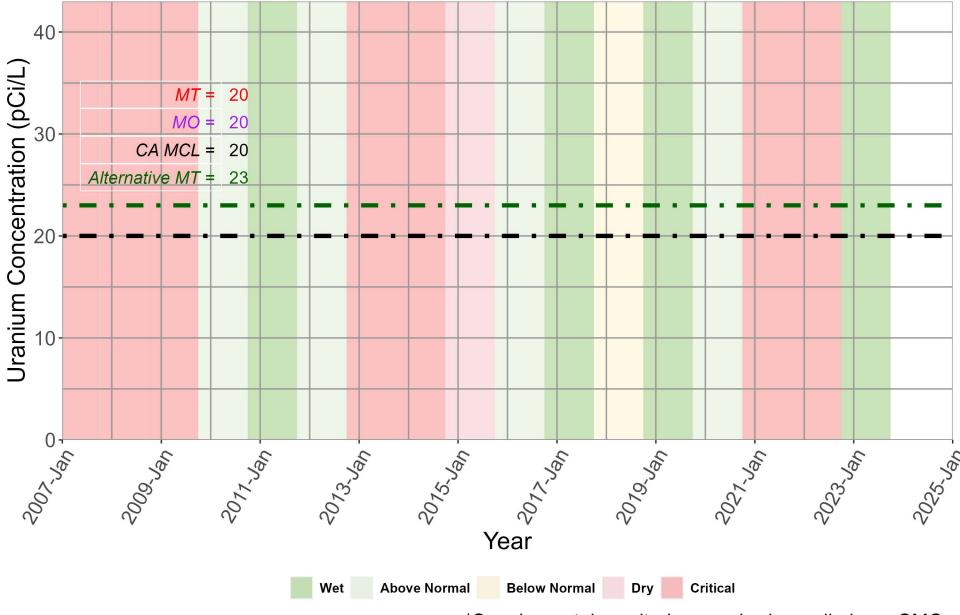
RMW-110 (DMW 07)



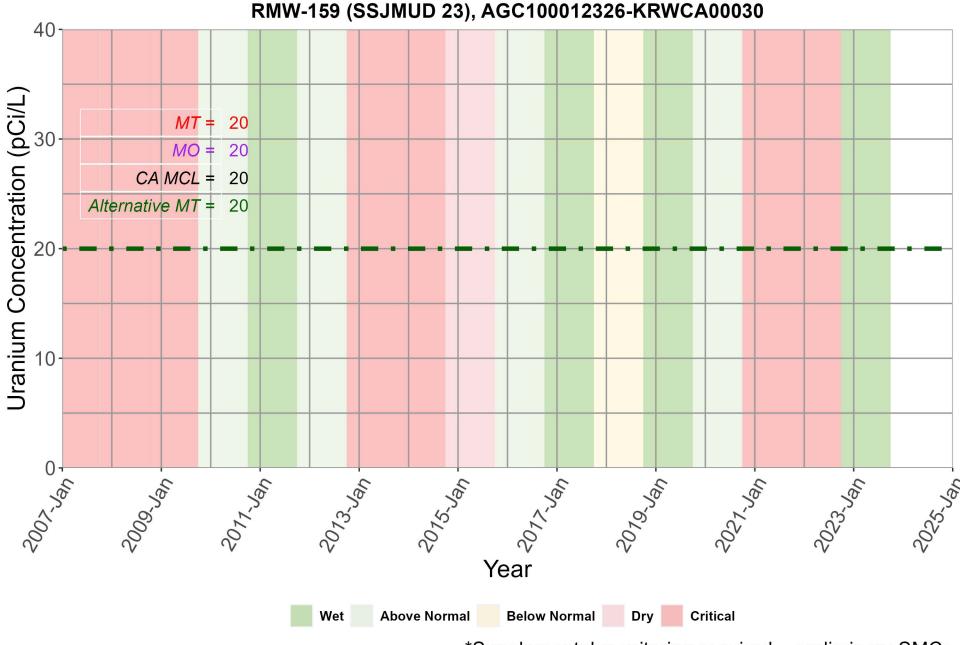




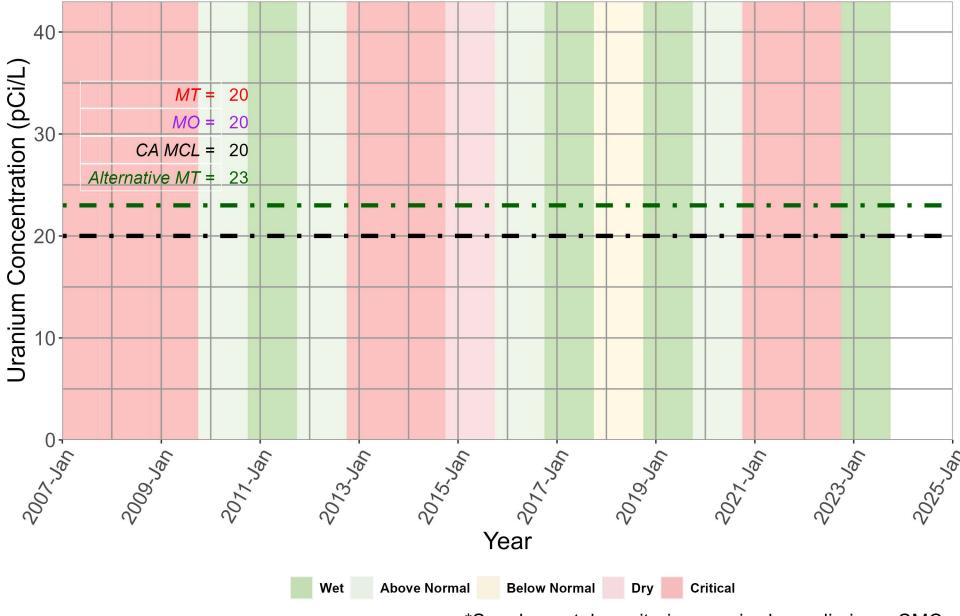
RMW-148 (88-29-014)



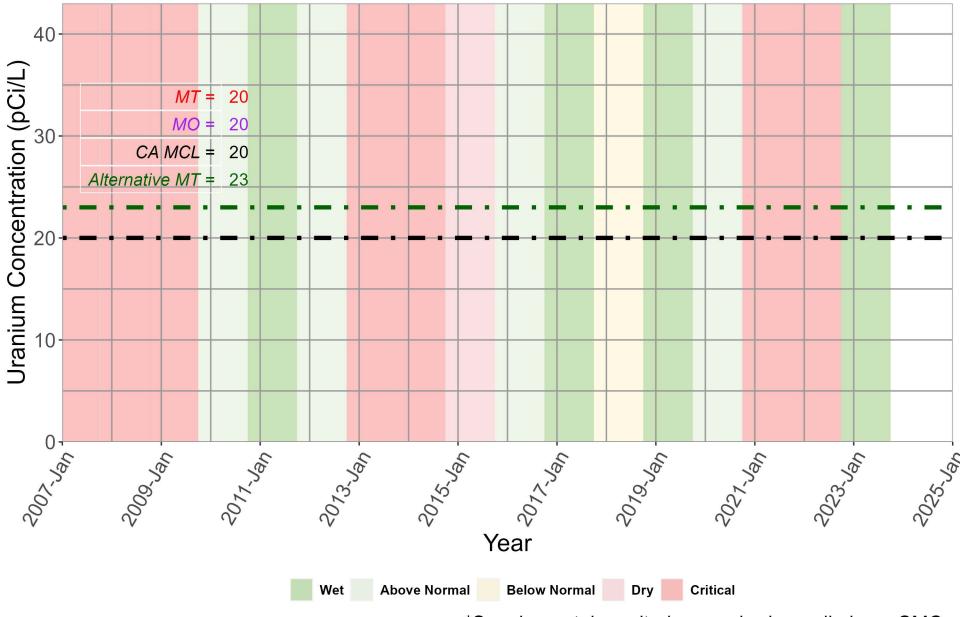
^{*}Supplemental monitoring required – preliminary SMCs

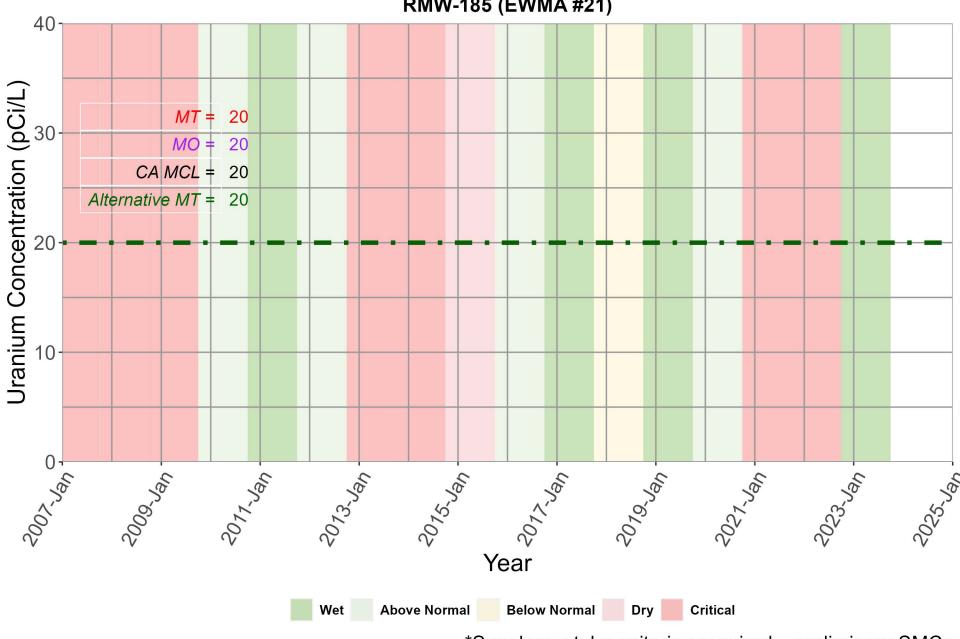


RMW-169 (28L)

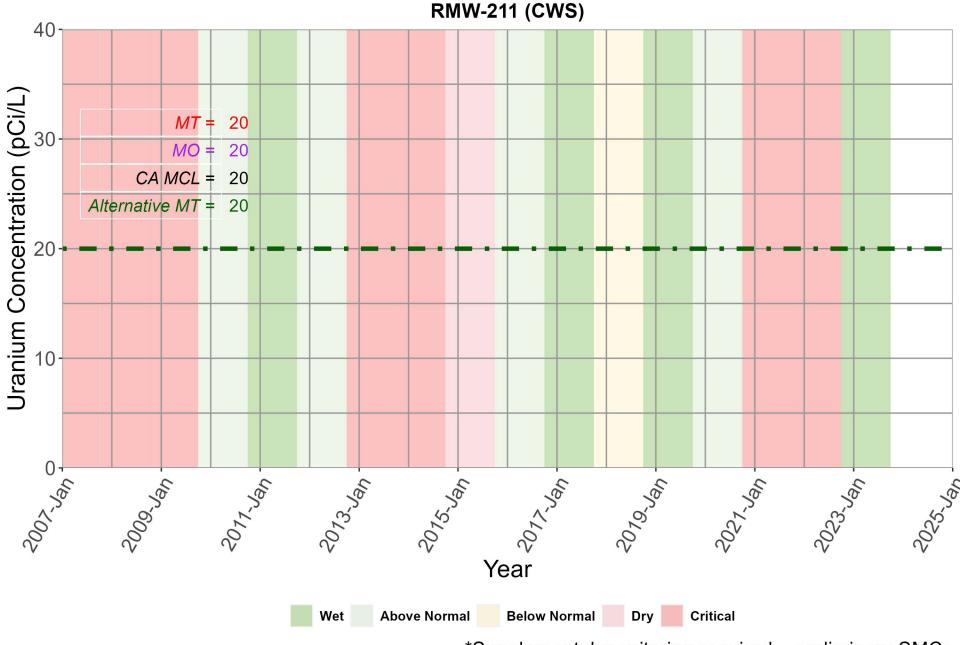


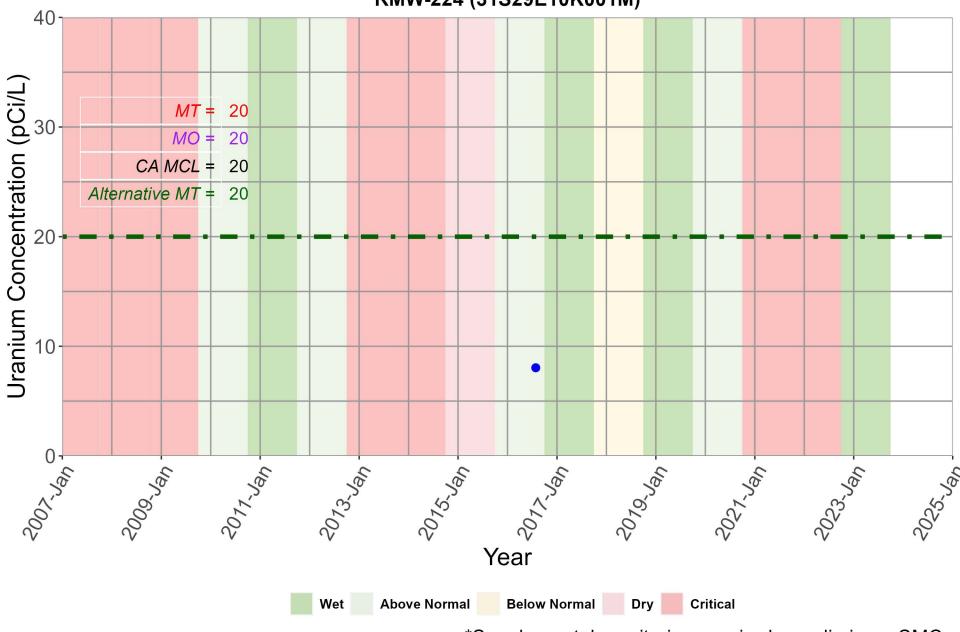
RMW-172 (6C), AGC100012324-CAWDC00009



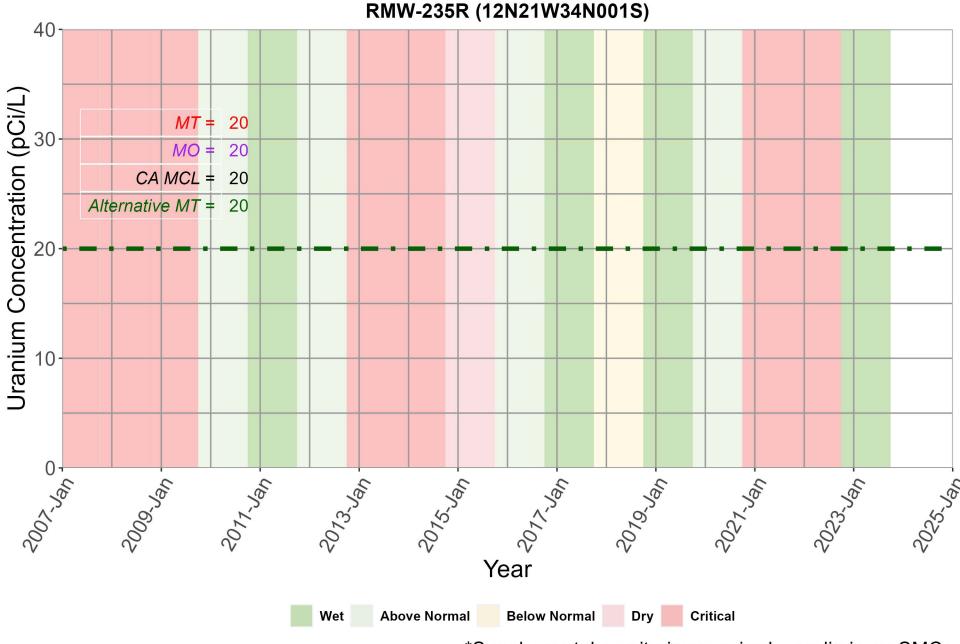


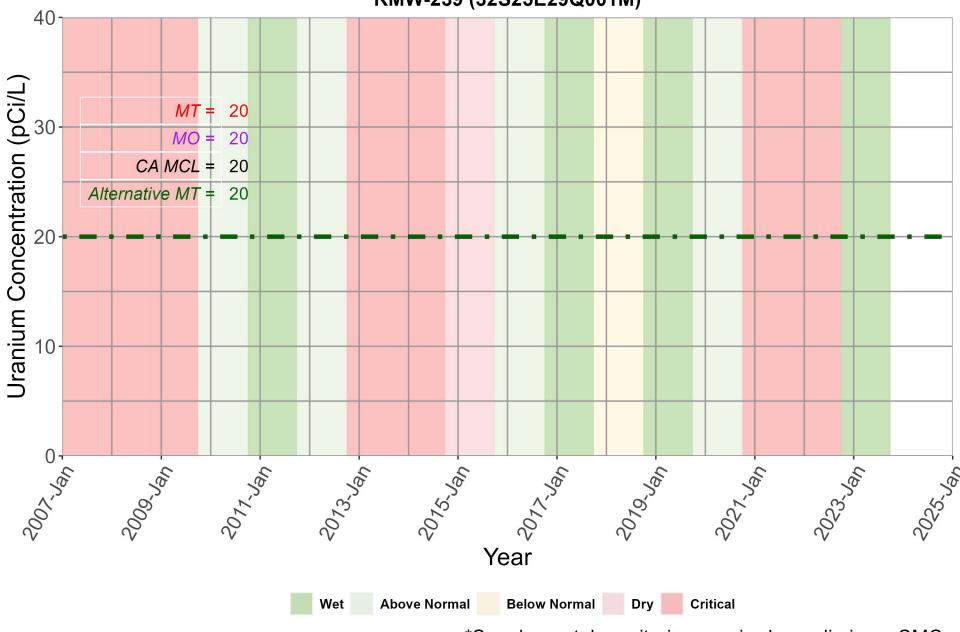
RMW-185 (EWMA #21)



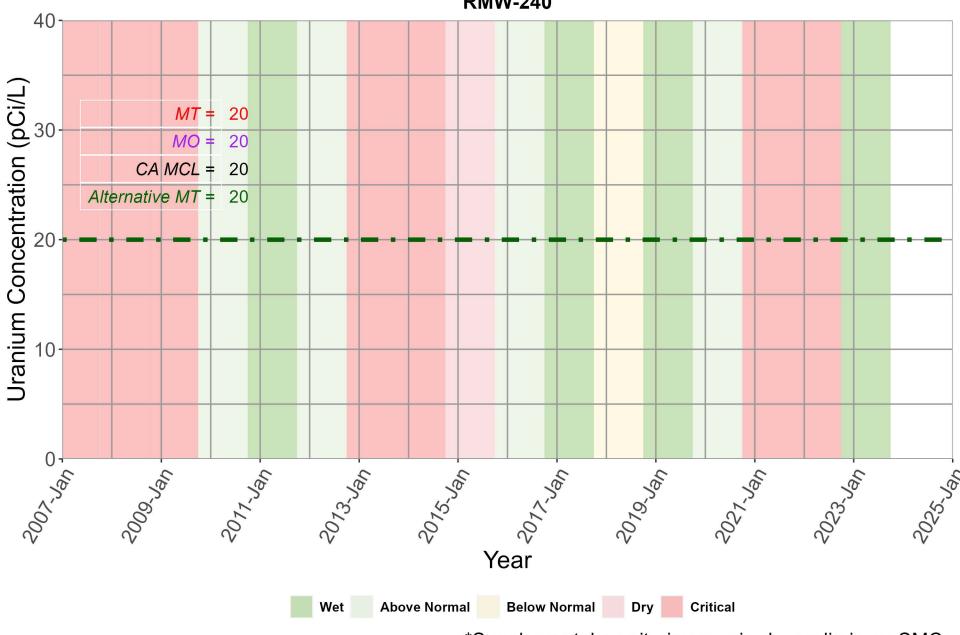


RMW-224 (31S29E10K001M)

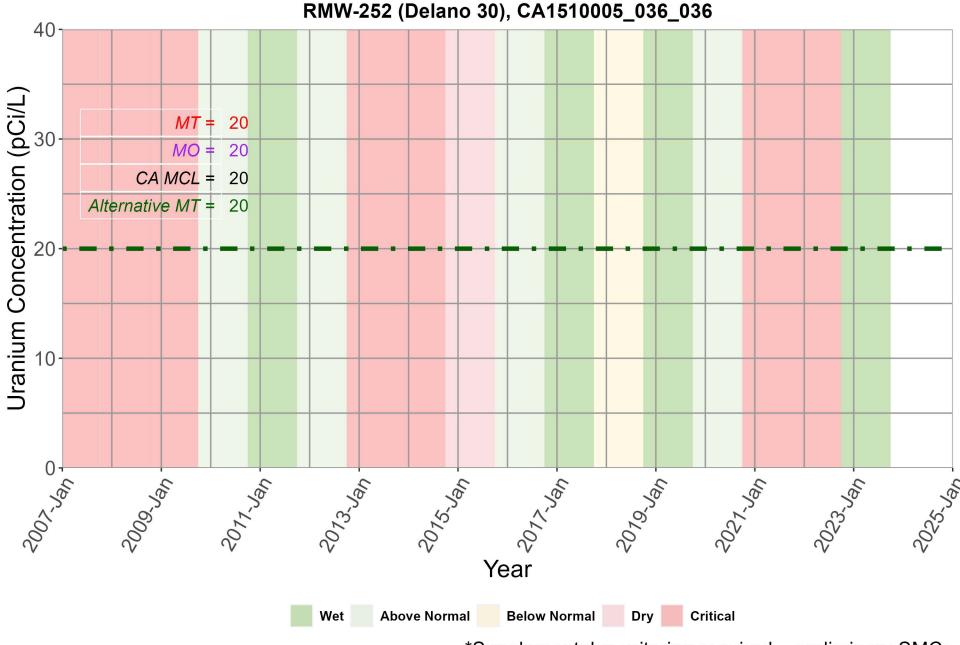


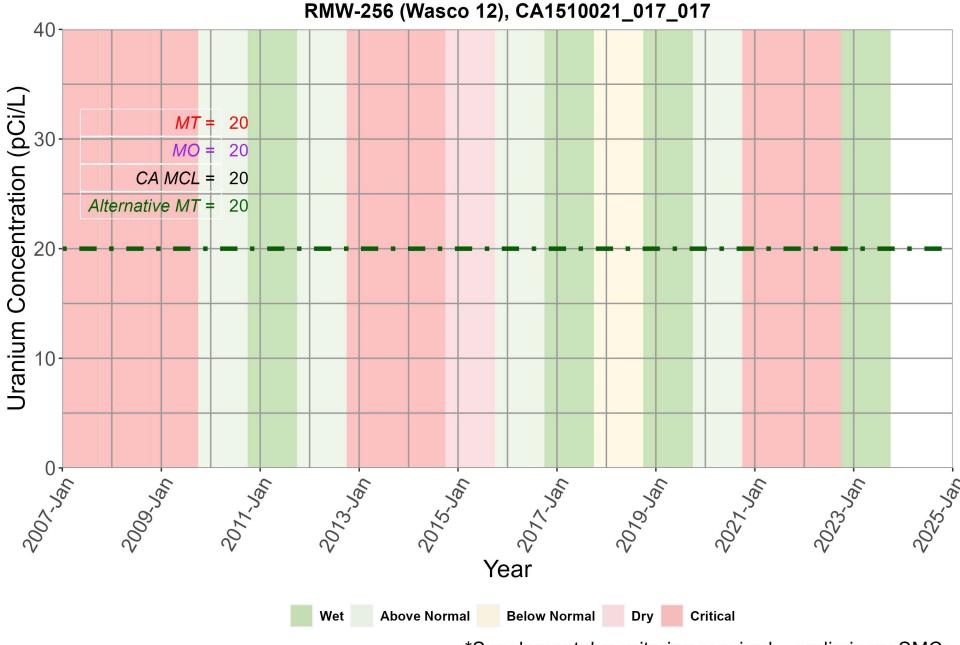


RMW-239 (32S25E29Q001M)

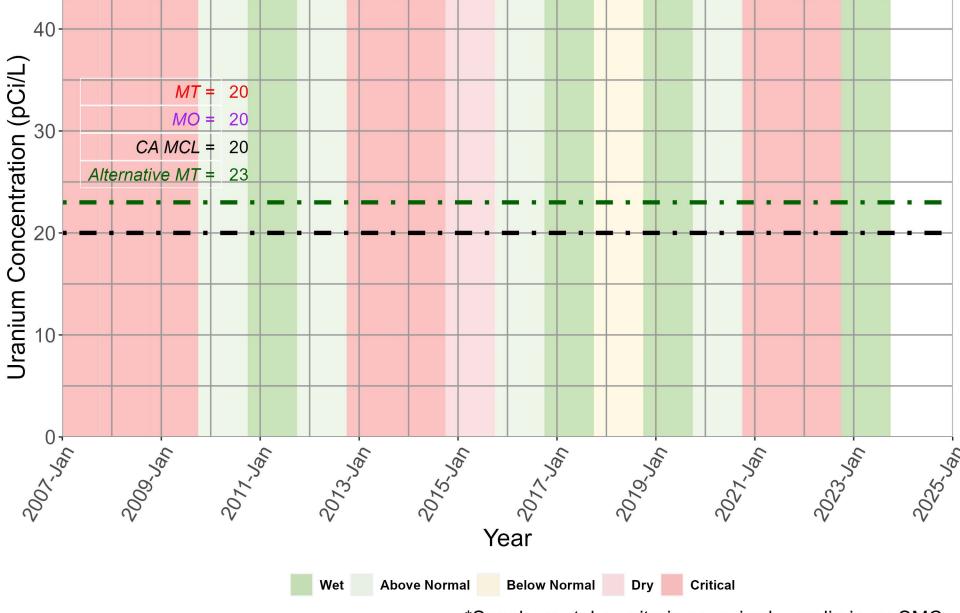


RMW-240

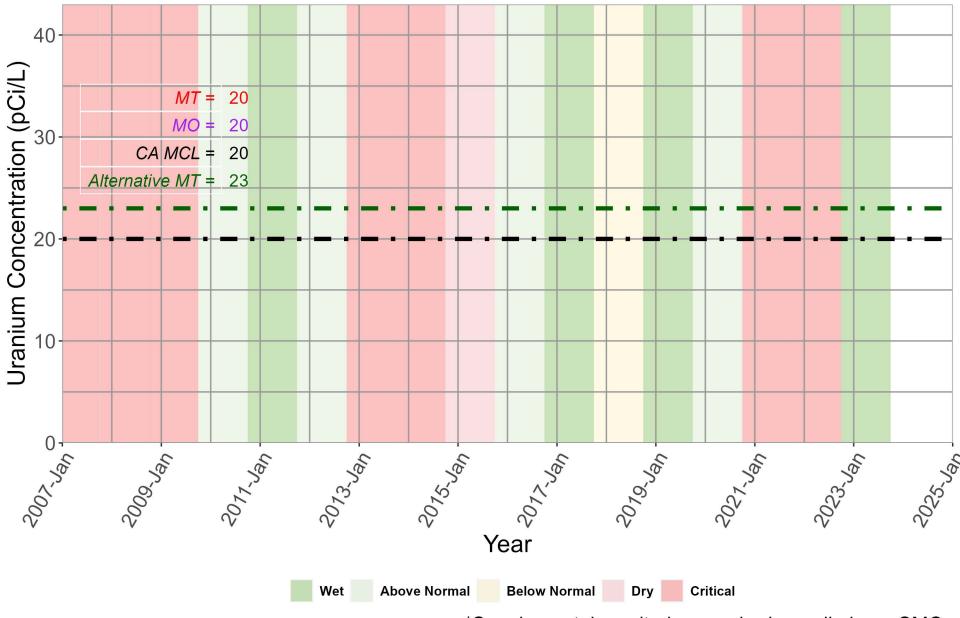




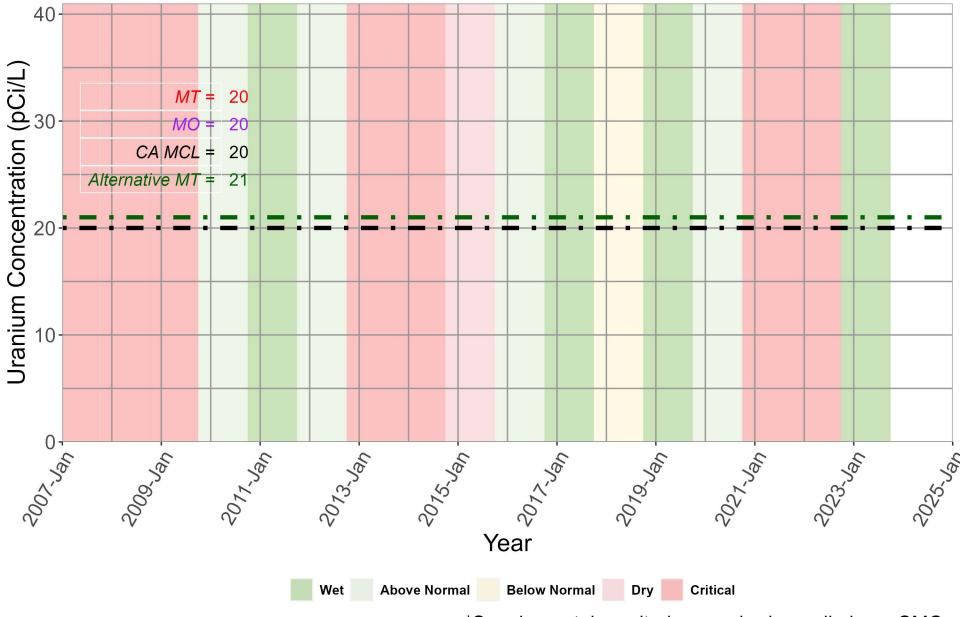


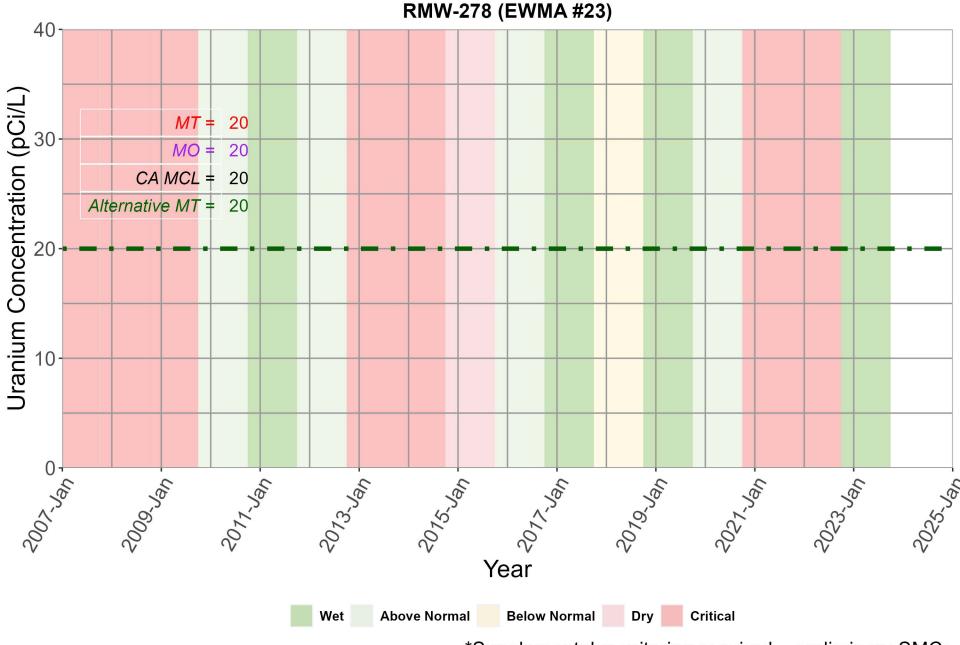


RMW-271 (Shafter Well 18), CA1510019_023_023

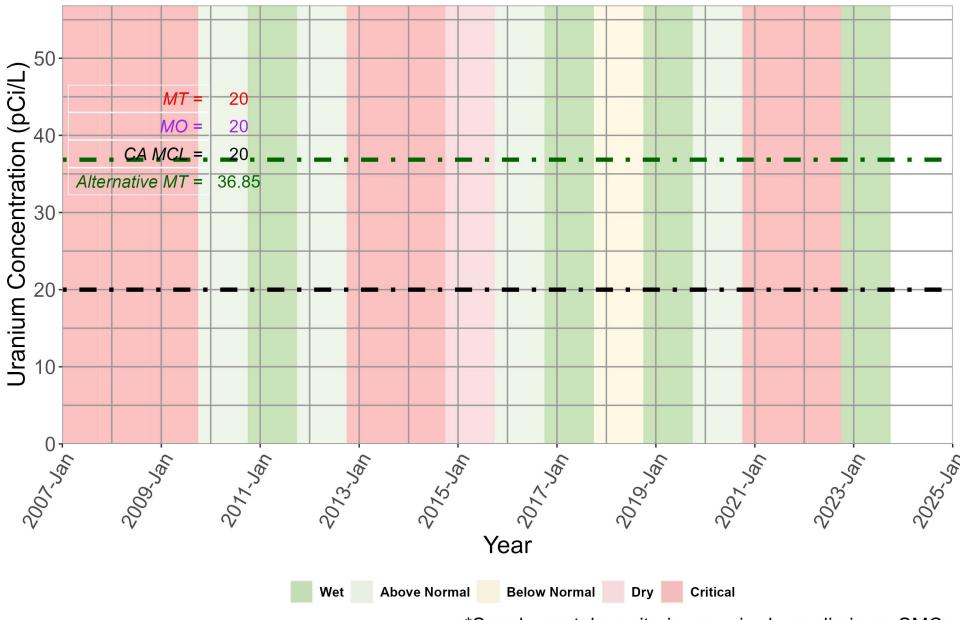


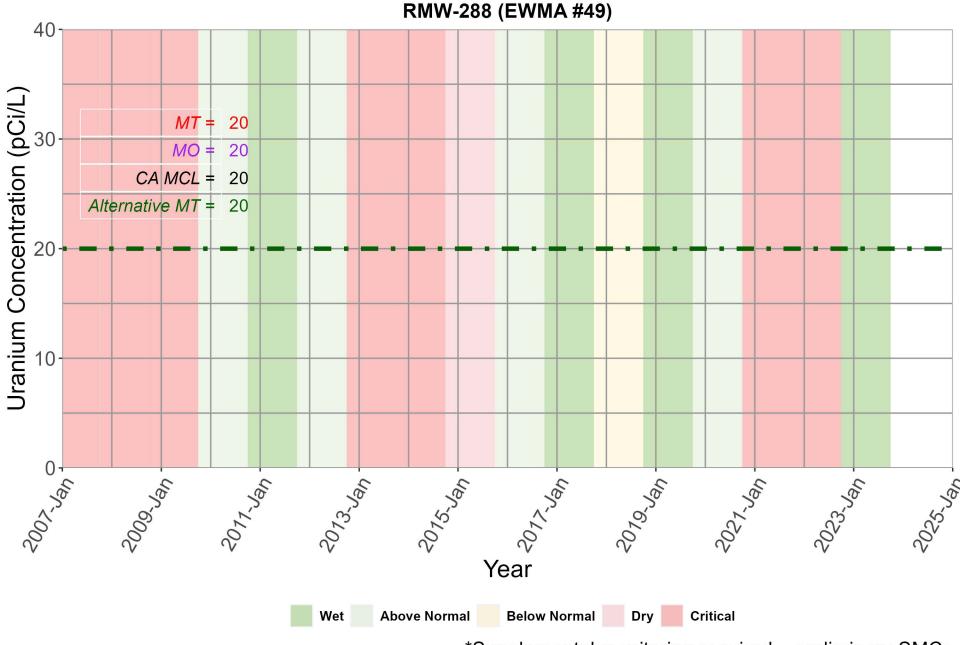
RMW-275 (7108-66)

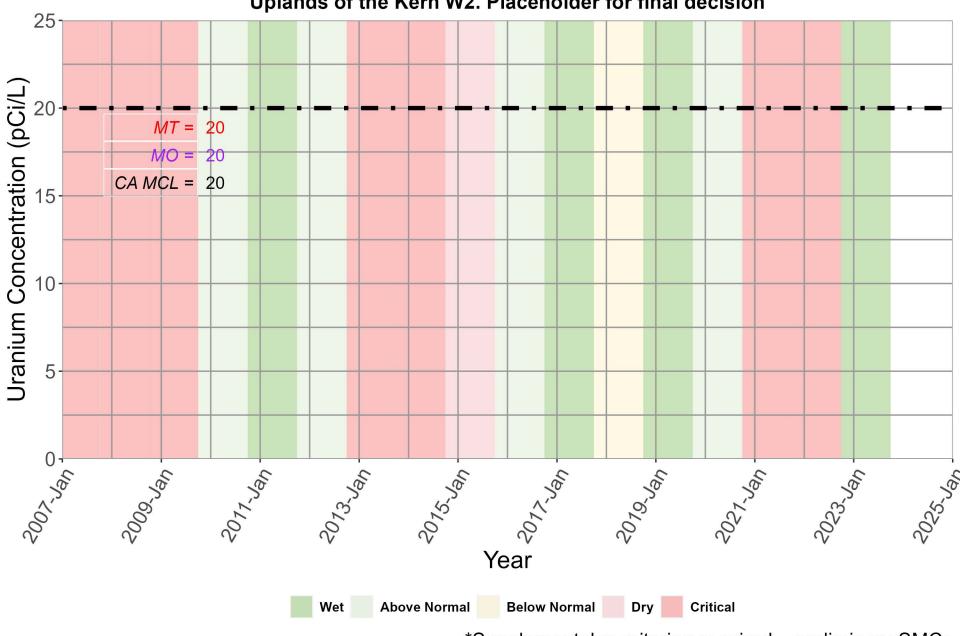




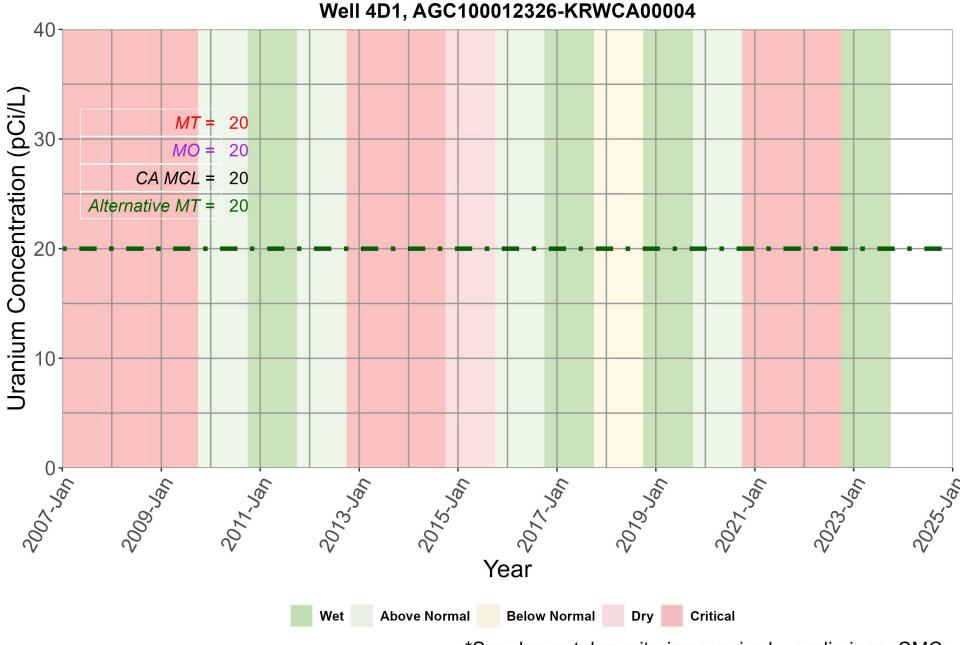
RMW-281 (Delano 34), CA1510005_047_047



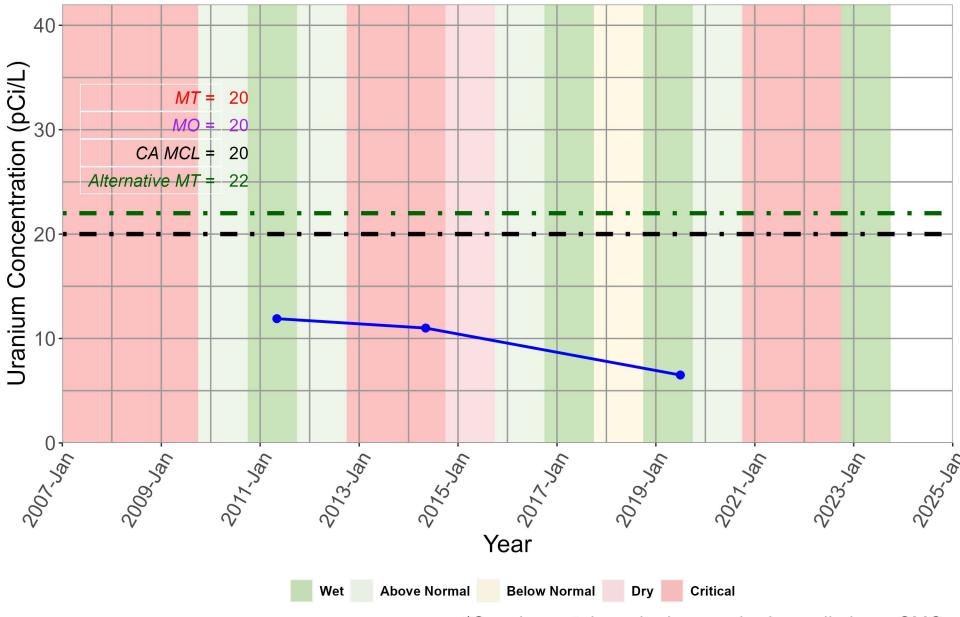


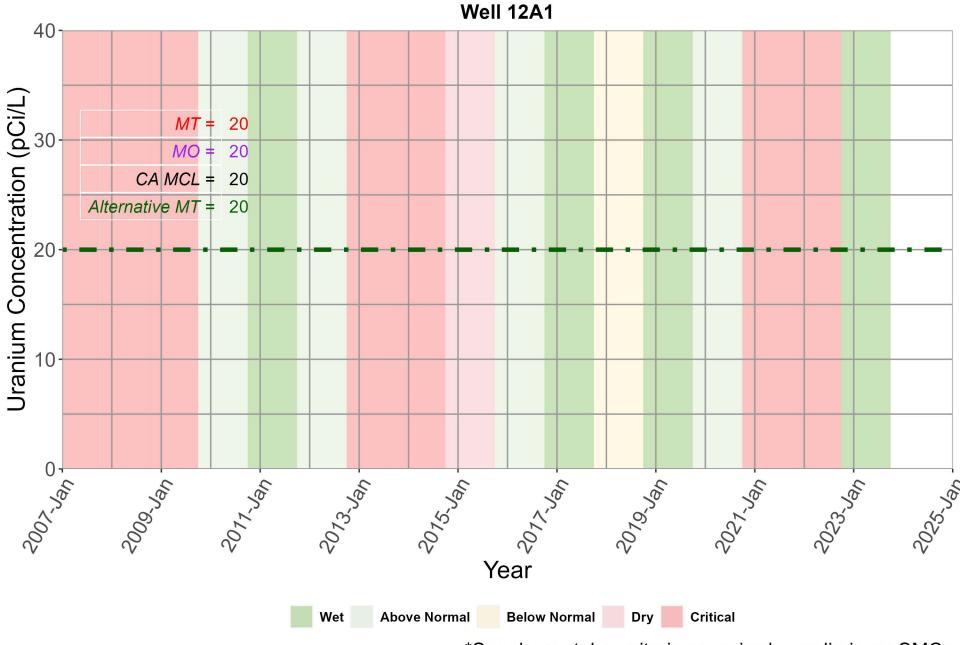


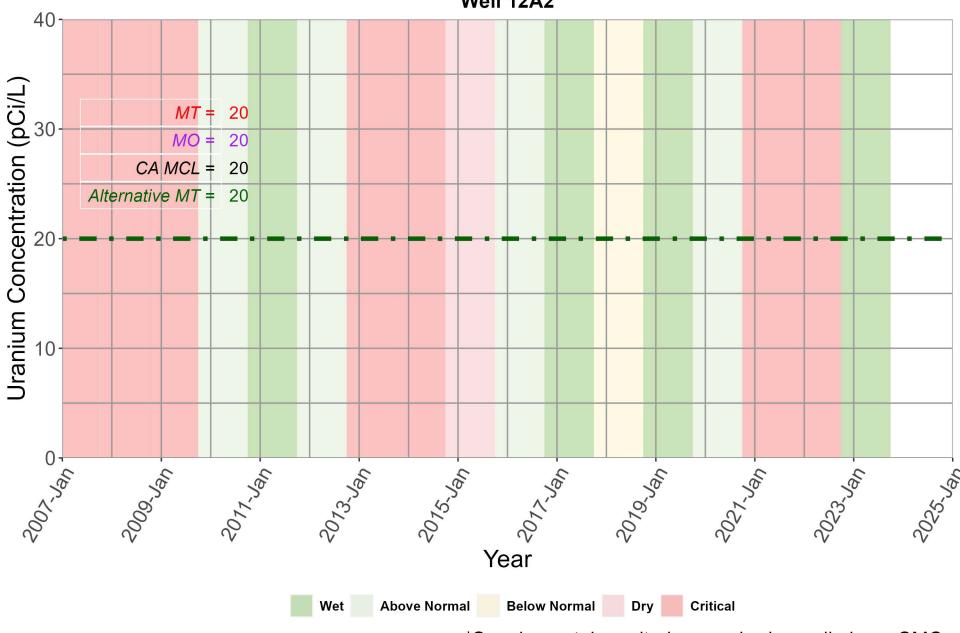
Uplands of the Kern W2. Placeholder for final decision



Well 7-02, CA1510022_015_015







Well 12A2

