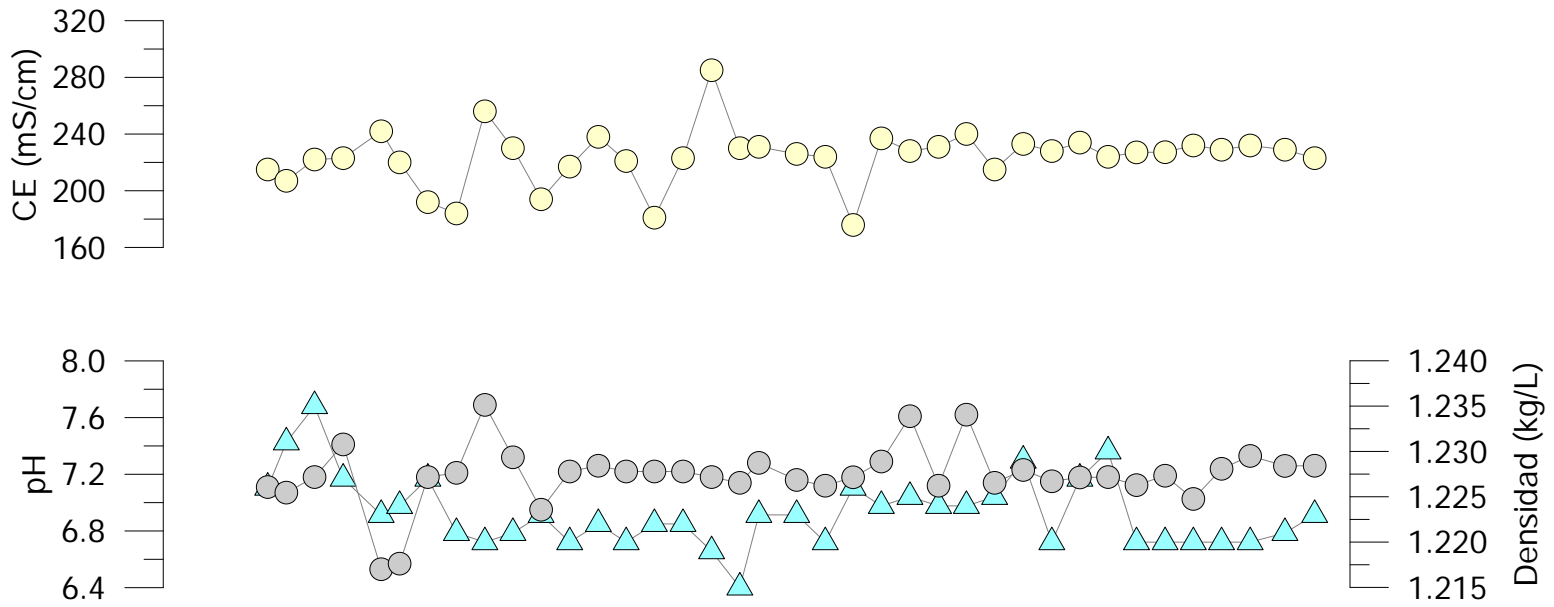


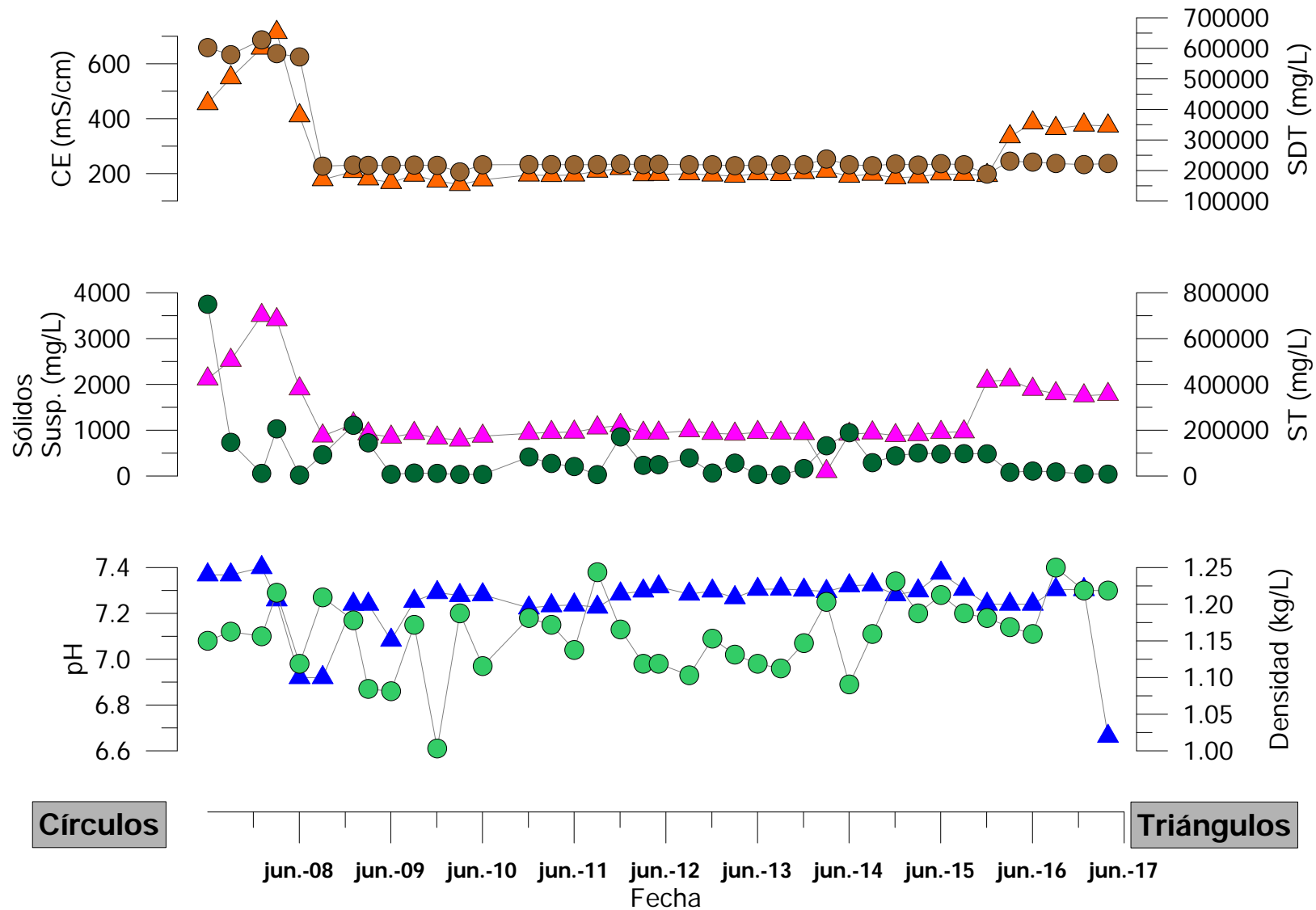
---

## **ANEXO 15: FIGURAS RESULTADOS MUESTREO FÍSICO QUÍMICO PSAH**

## L1-4 (terreno)



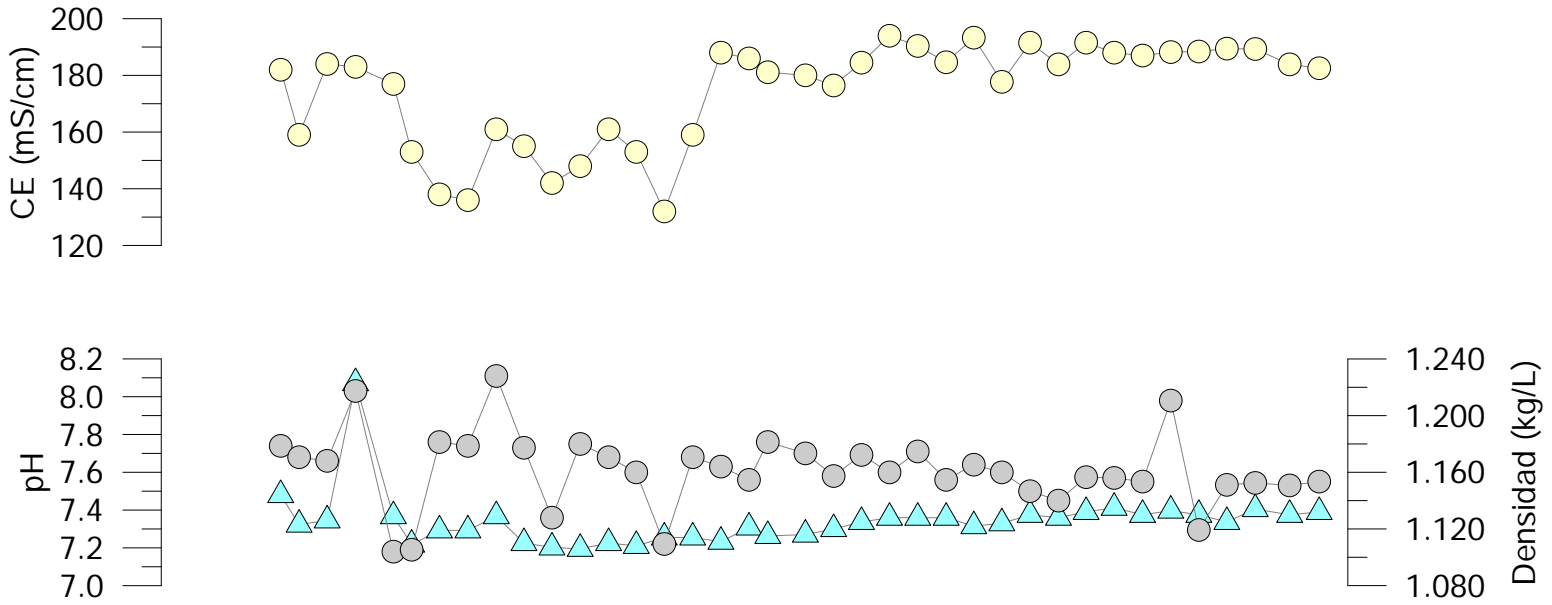
## L1-4 (laboratorio)



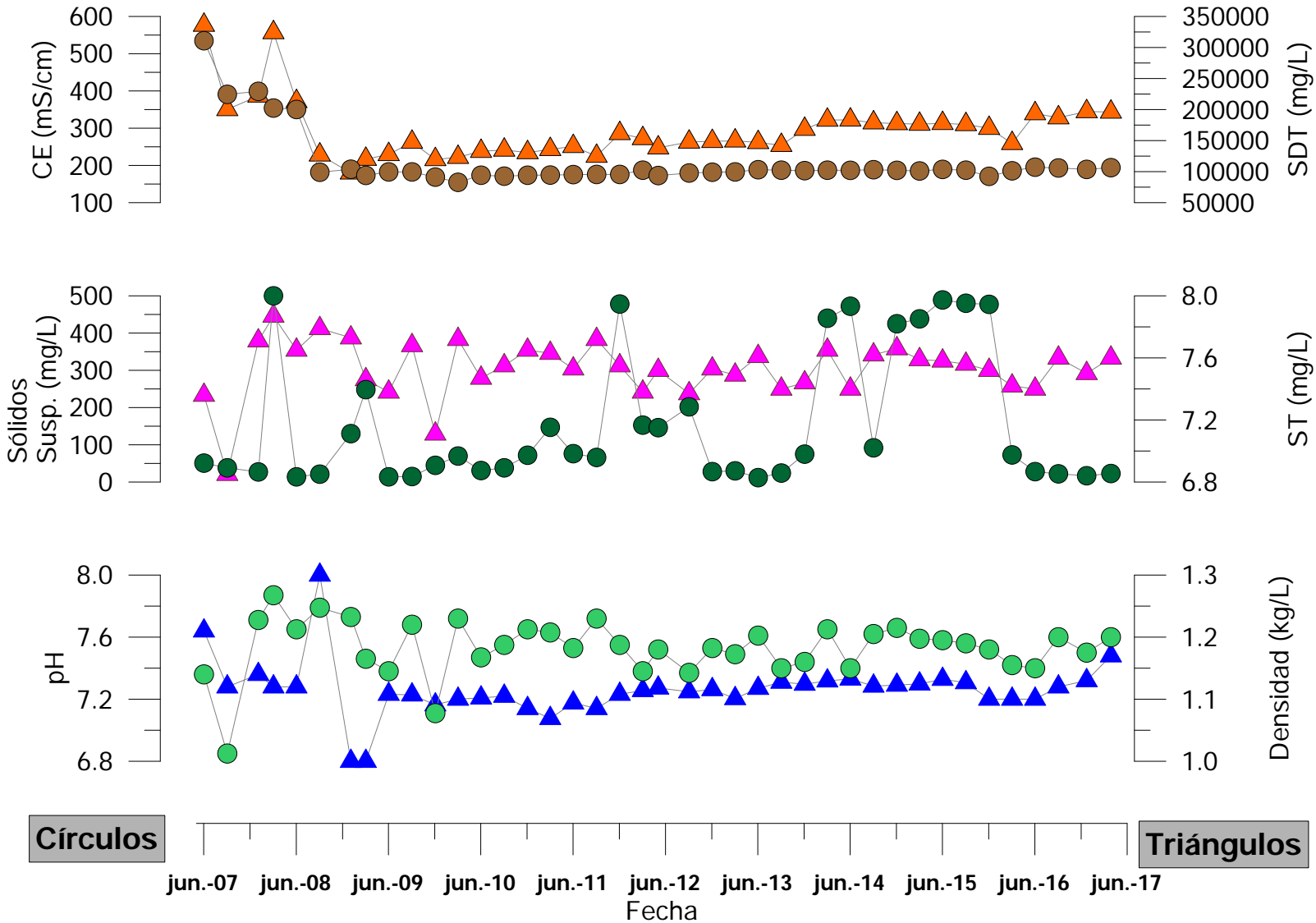
Círculos

Triángulos

## L1-5 (terreno)



## L1-5 (laboratorio)

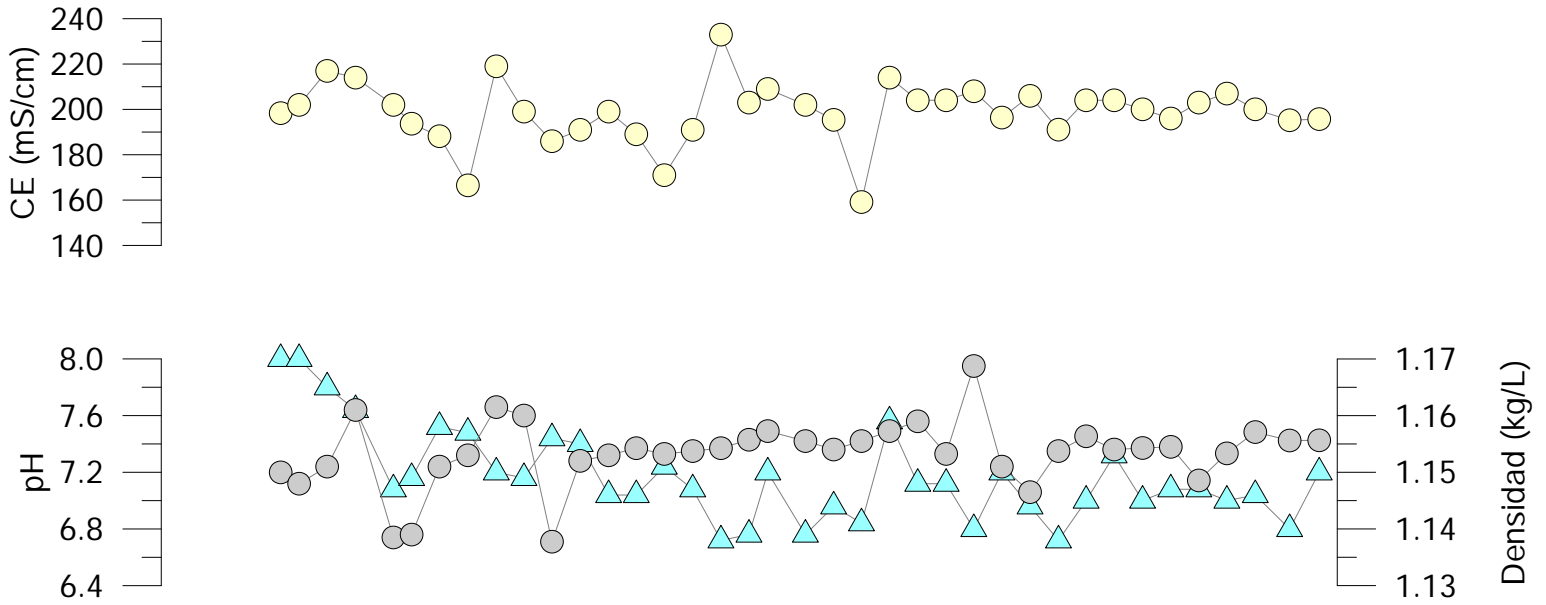


Círculos

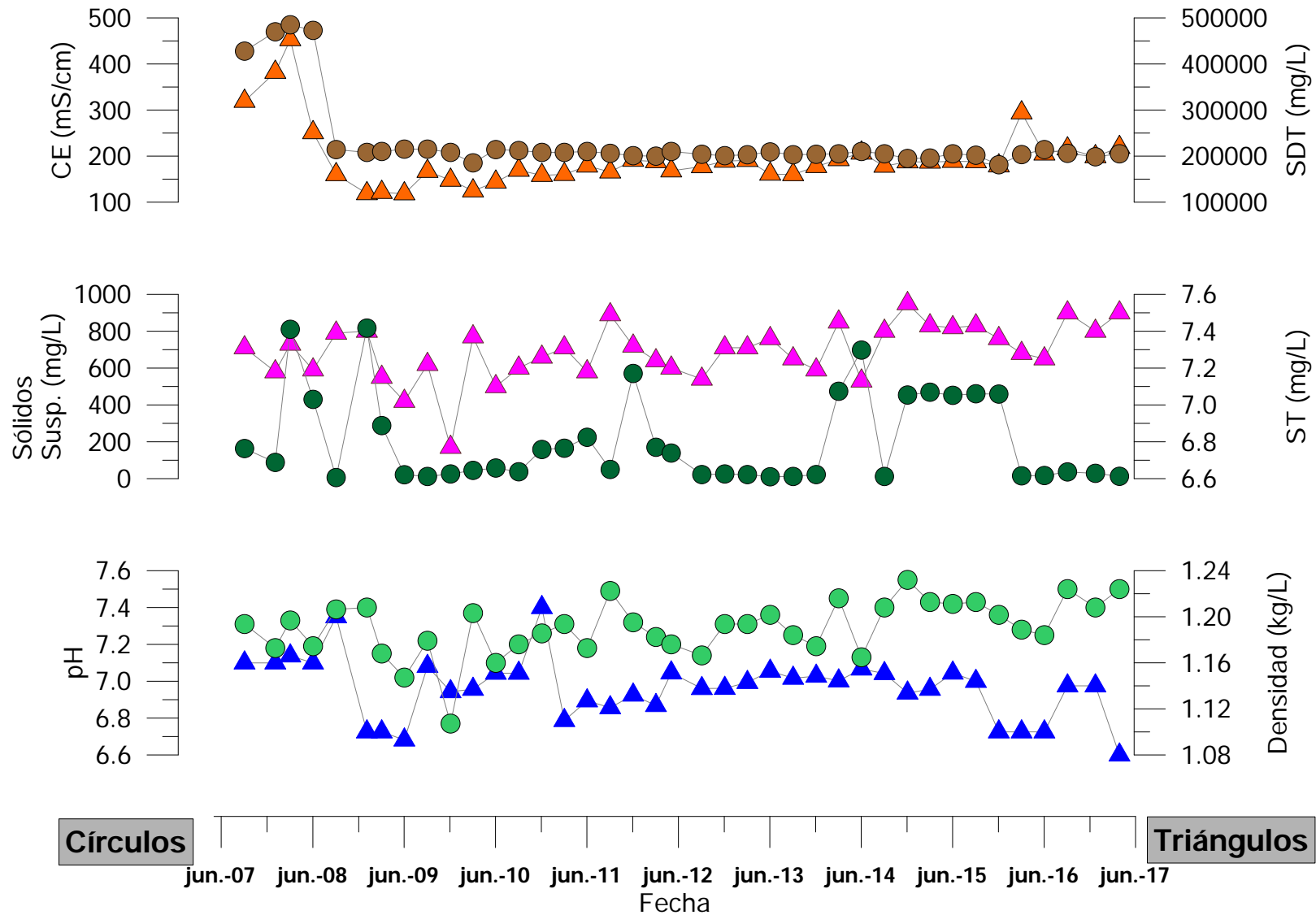
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## L1-6 (terreno)

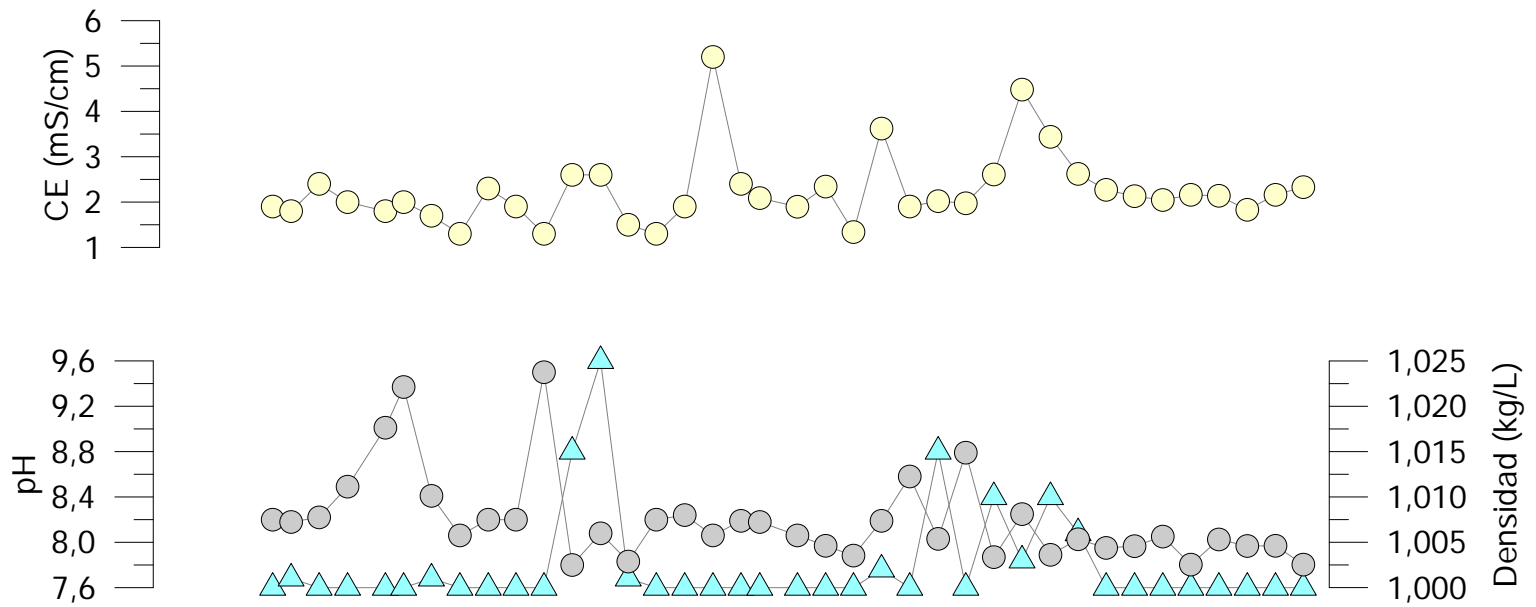


## L1-6 (laboratorio)

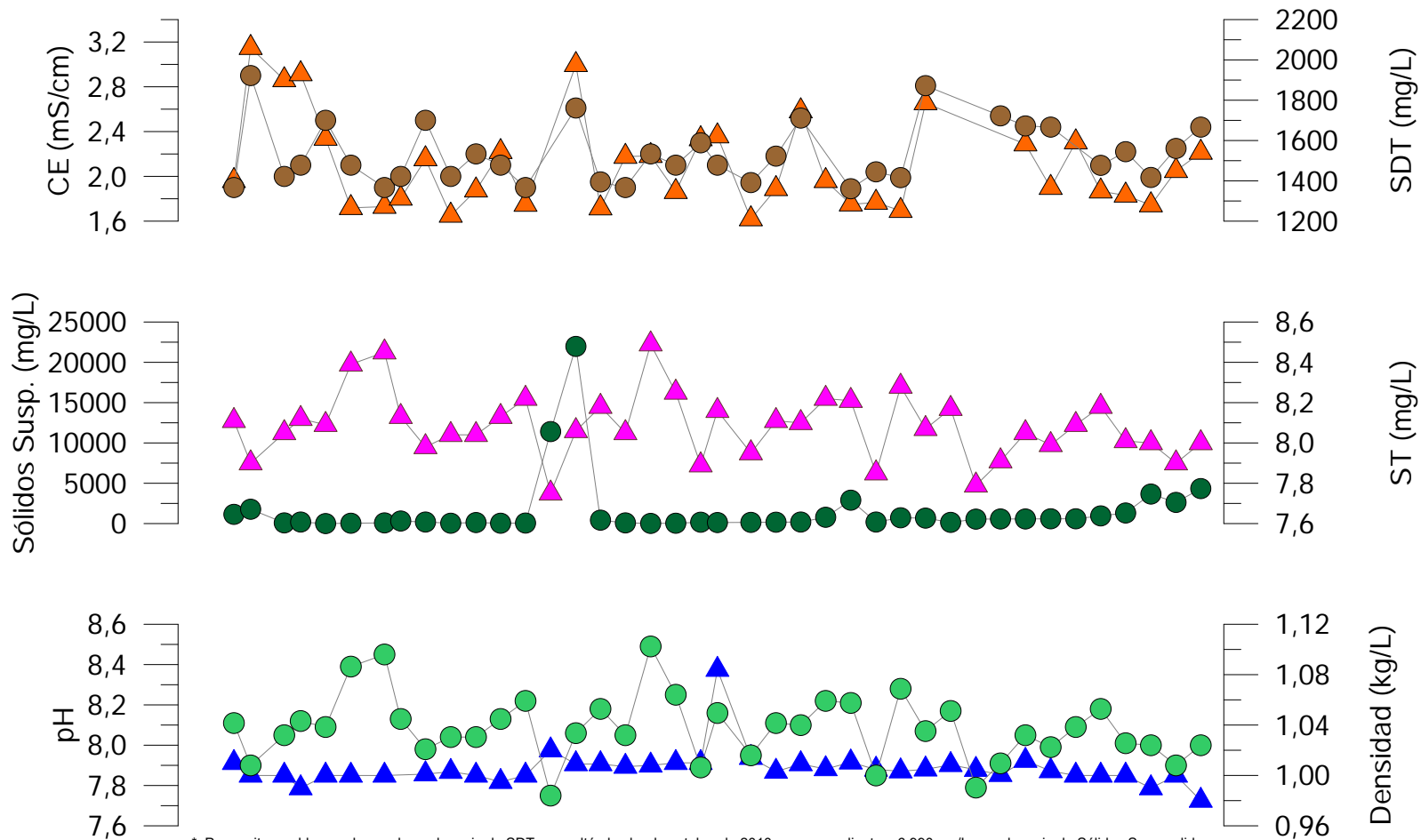




## L7-3 (terreno)



## L7-3 (laboratorio)



\*: Para evitar problemas de escala, en la serie de SDT se ocultó el valor de octubre de 2010, correspondiente a 6.990 mg/L, y en la serie de Sólidos Suspendedos se sacaron los datos de octubre de 2010 y enero de 2011, correspondientes a 11.409 mg/L y 21.965 mg/L.

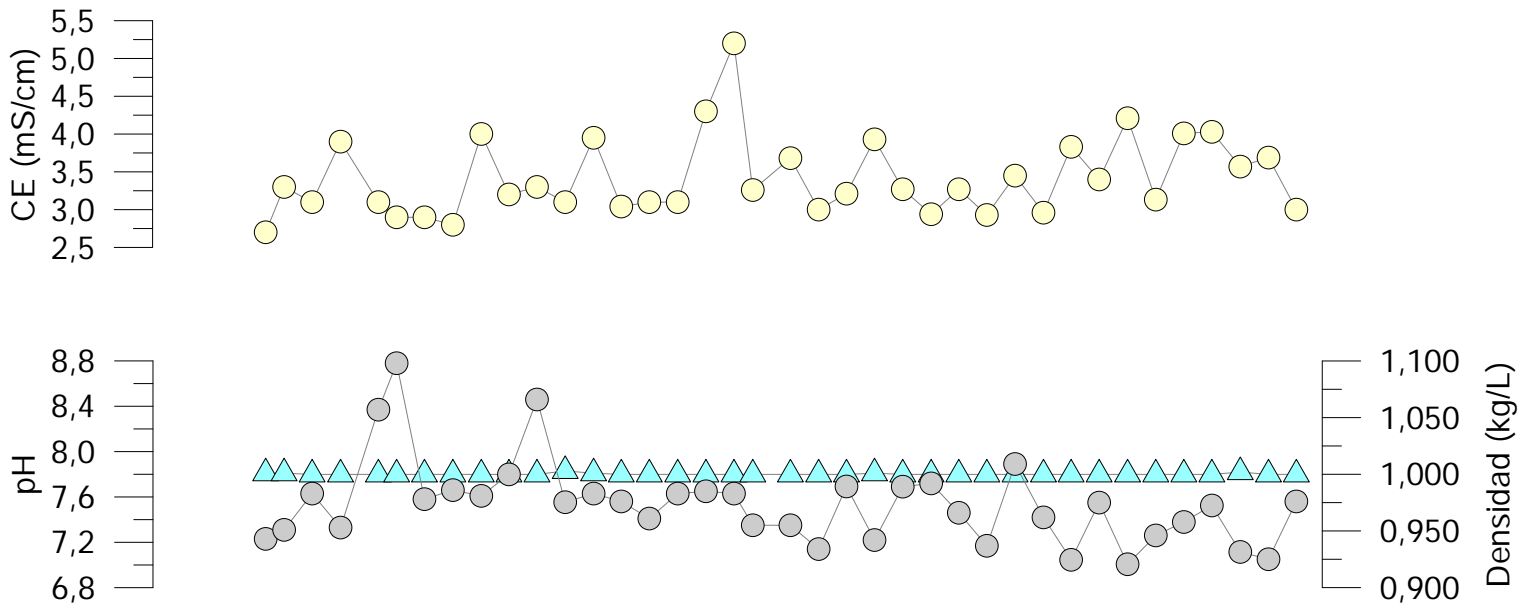
Círculos

Triángulos

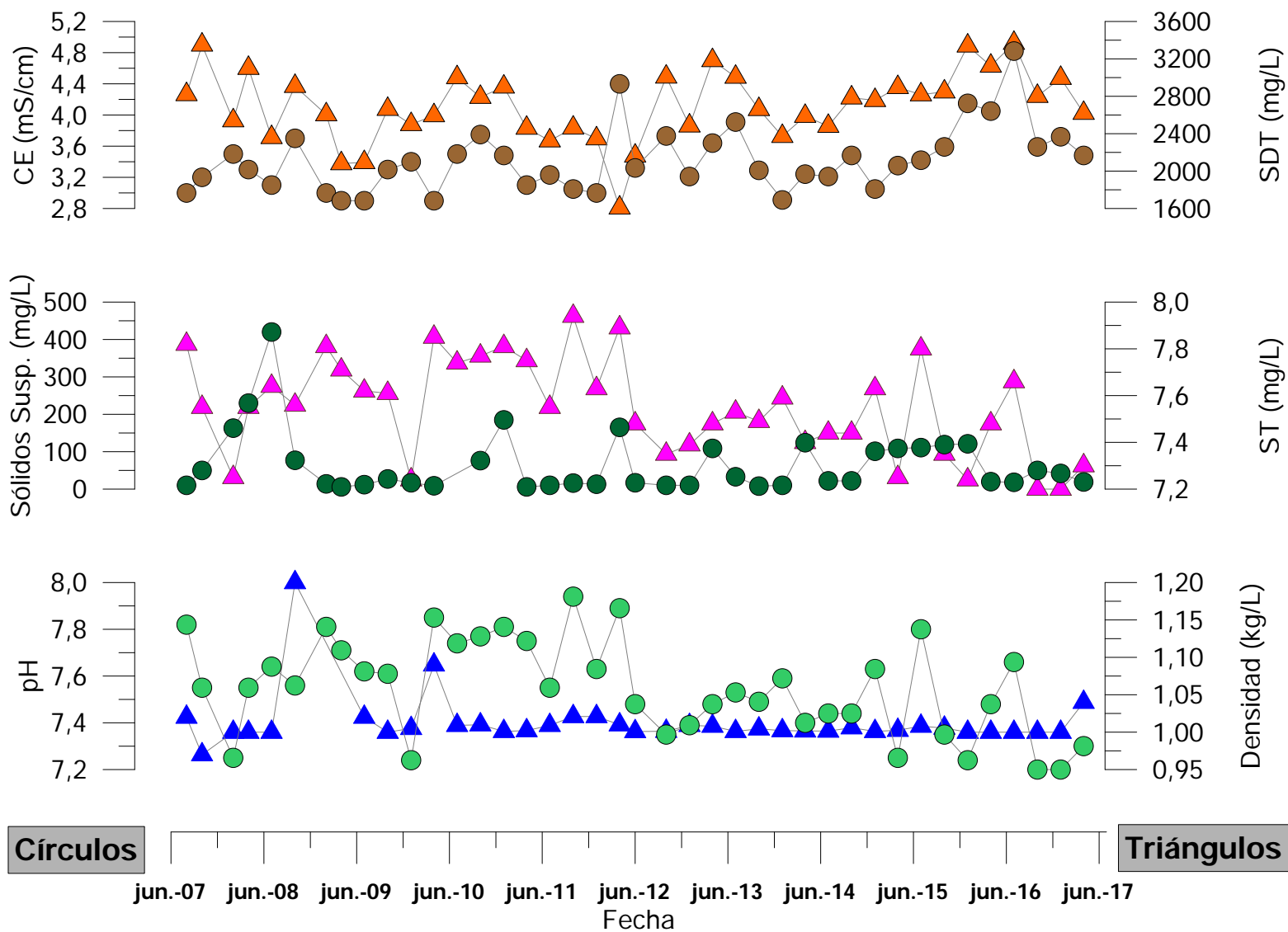
jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17

Fecha

## L2-3 (terreno)



## L2-3 (laboratorio)

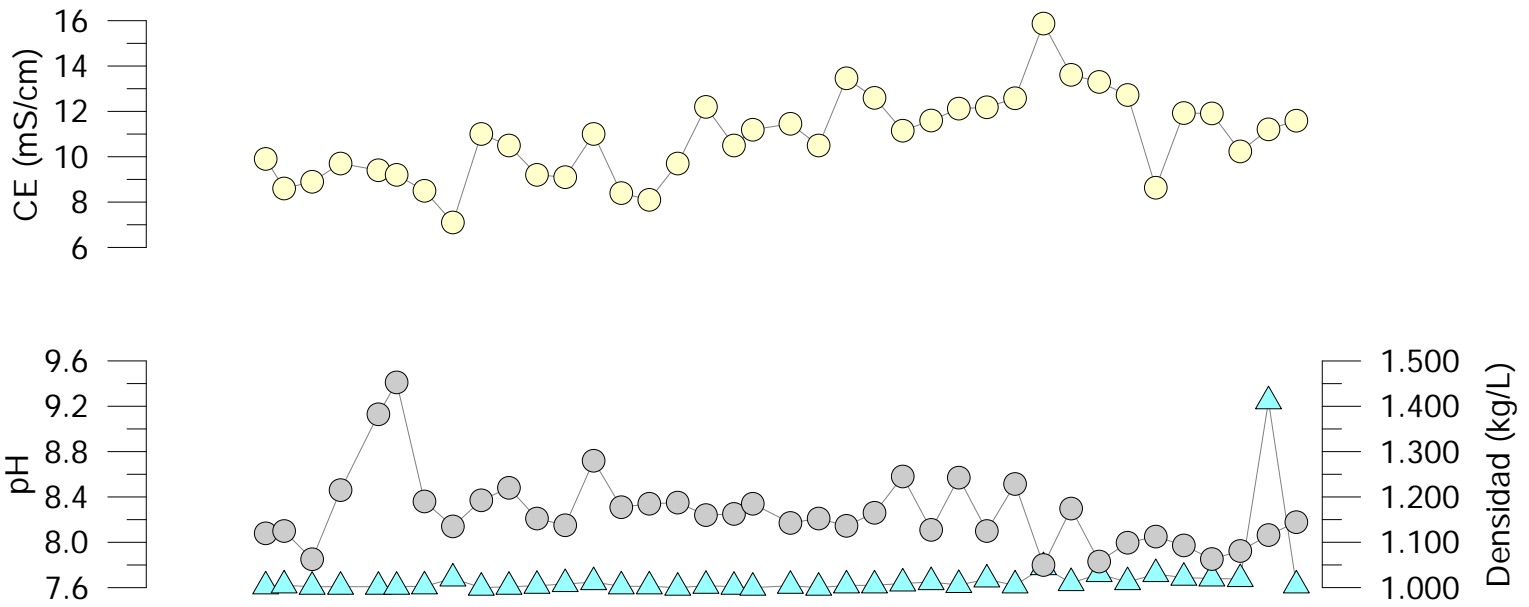


Círculos

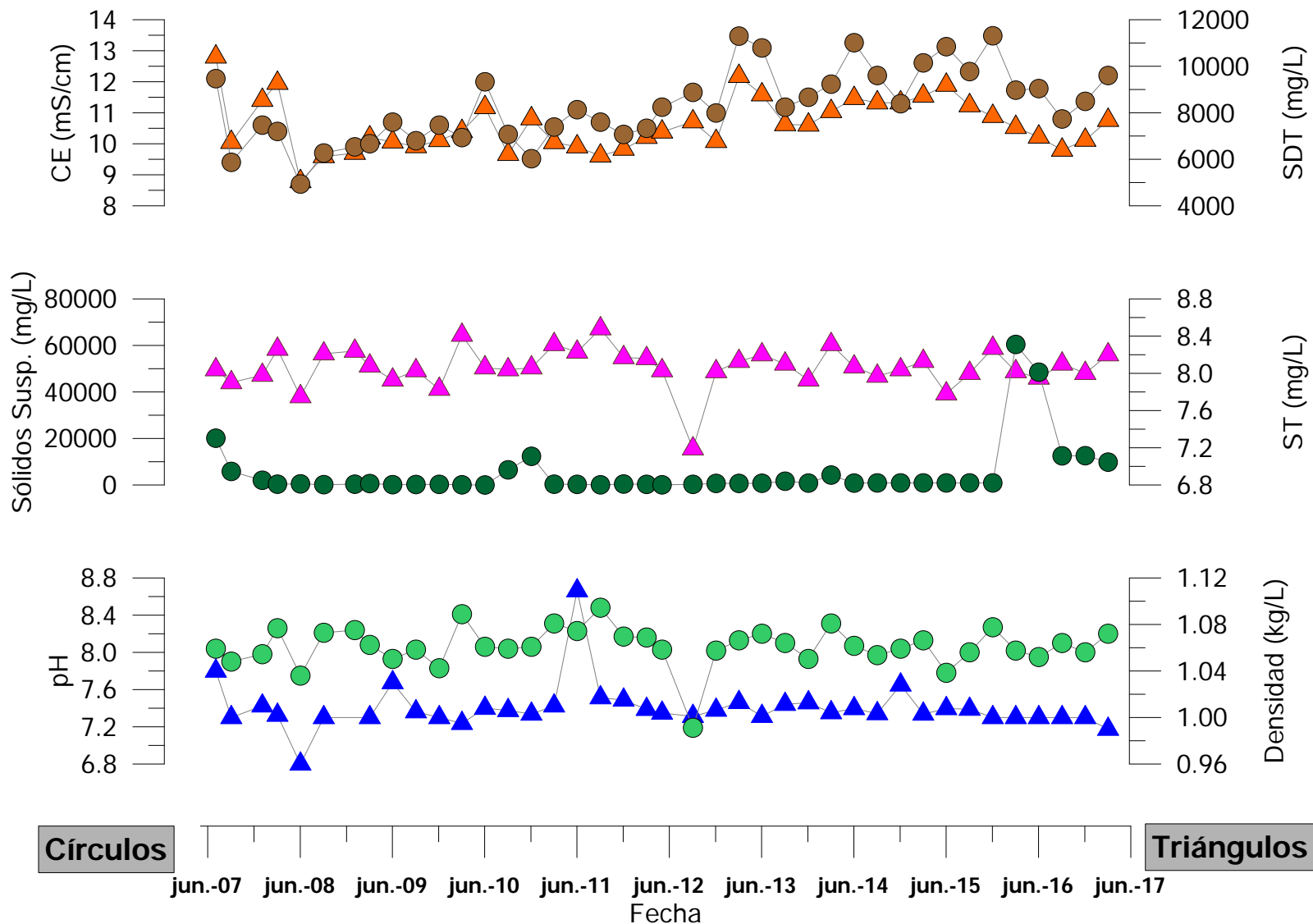
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

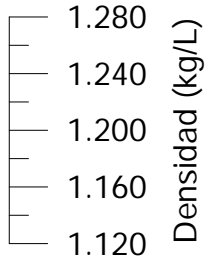
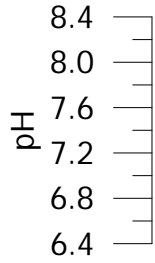
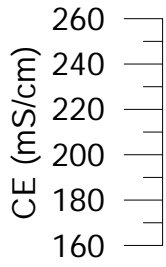
## L2-4 (terreno)



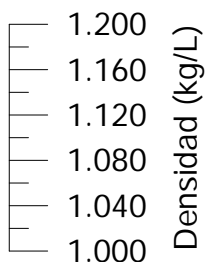
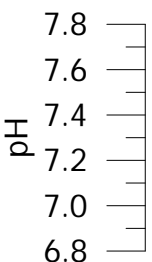
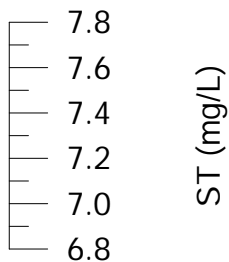
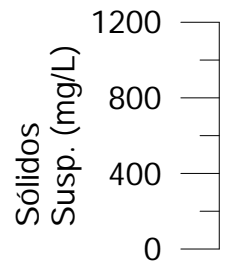
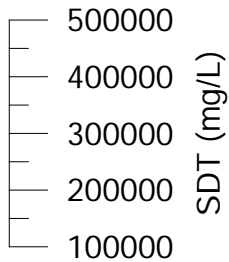
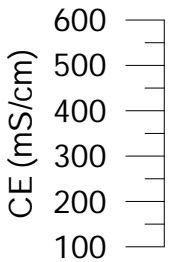
## L2-4 (laboratorio)



## L2-5 (terreno)



## L2-5 (laboratorio)

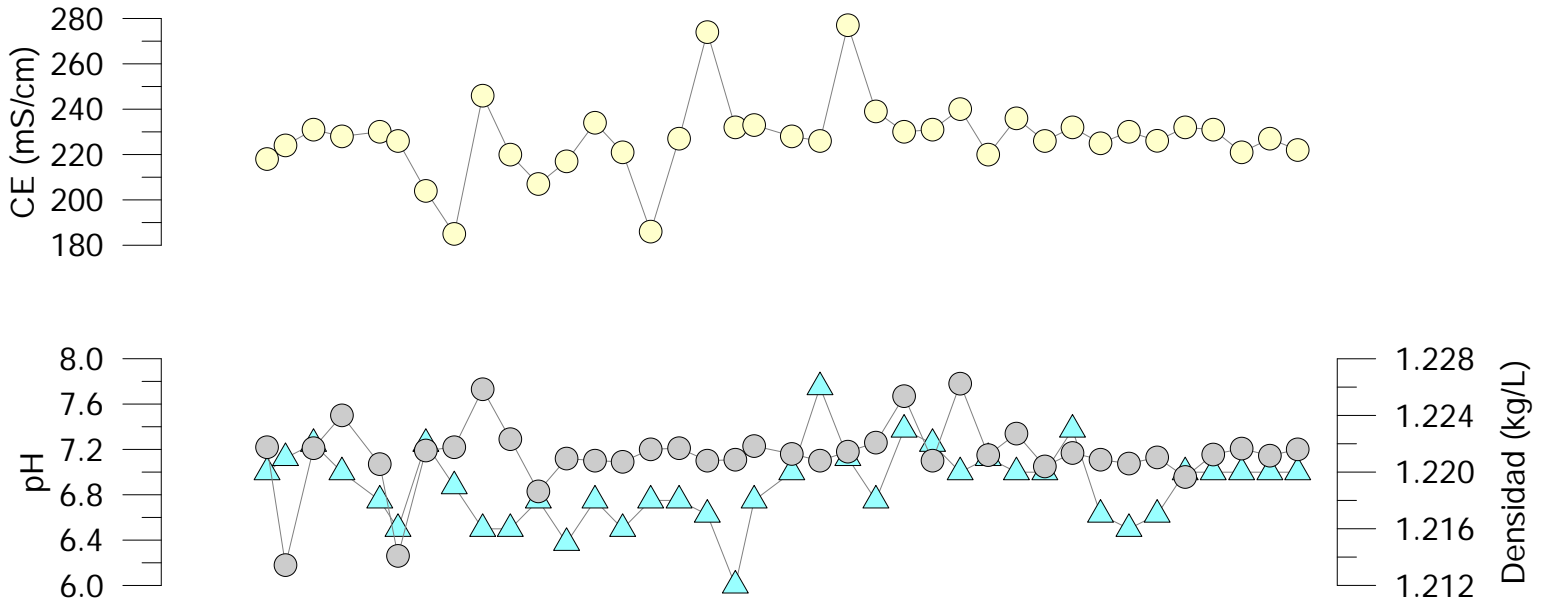


Círculos

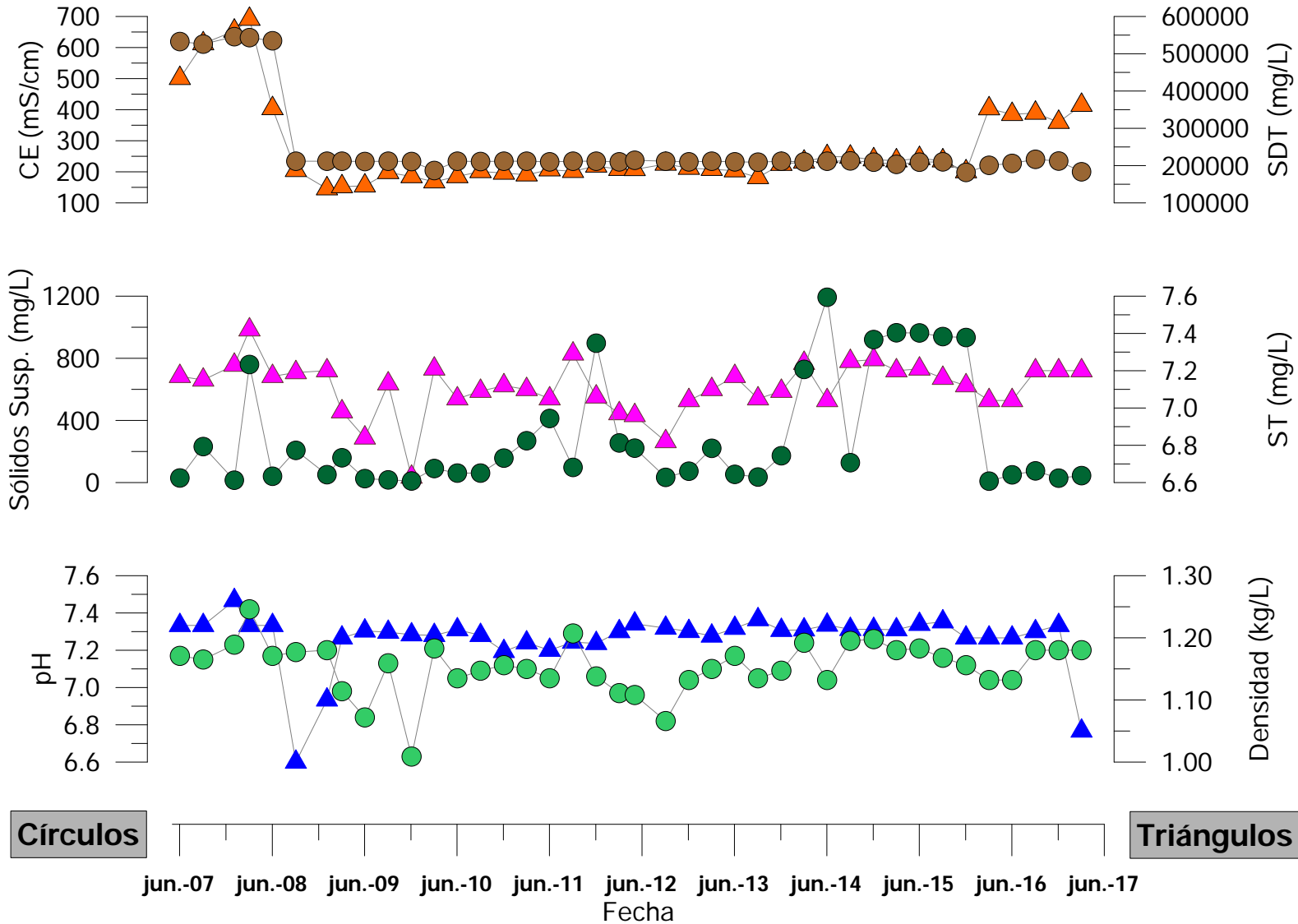
Triángulos

jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

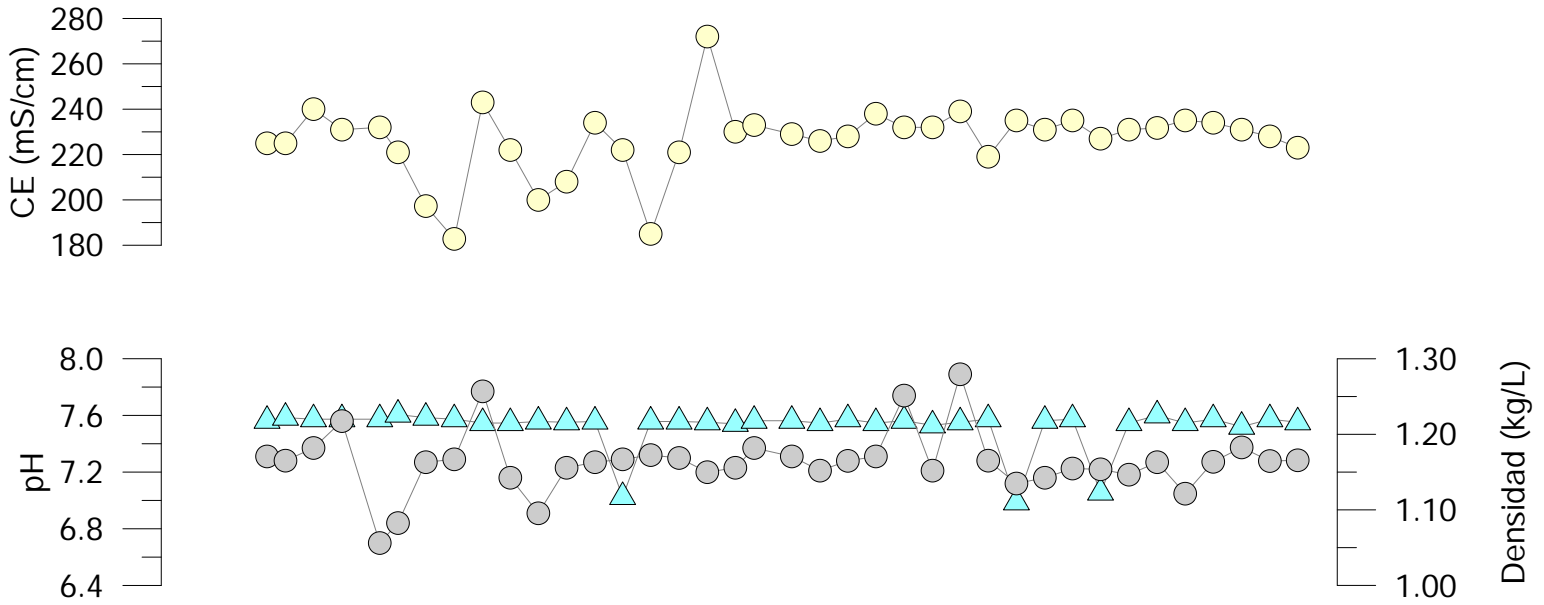
## SOPM-07 (terreno)



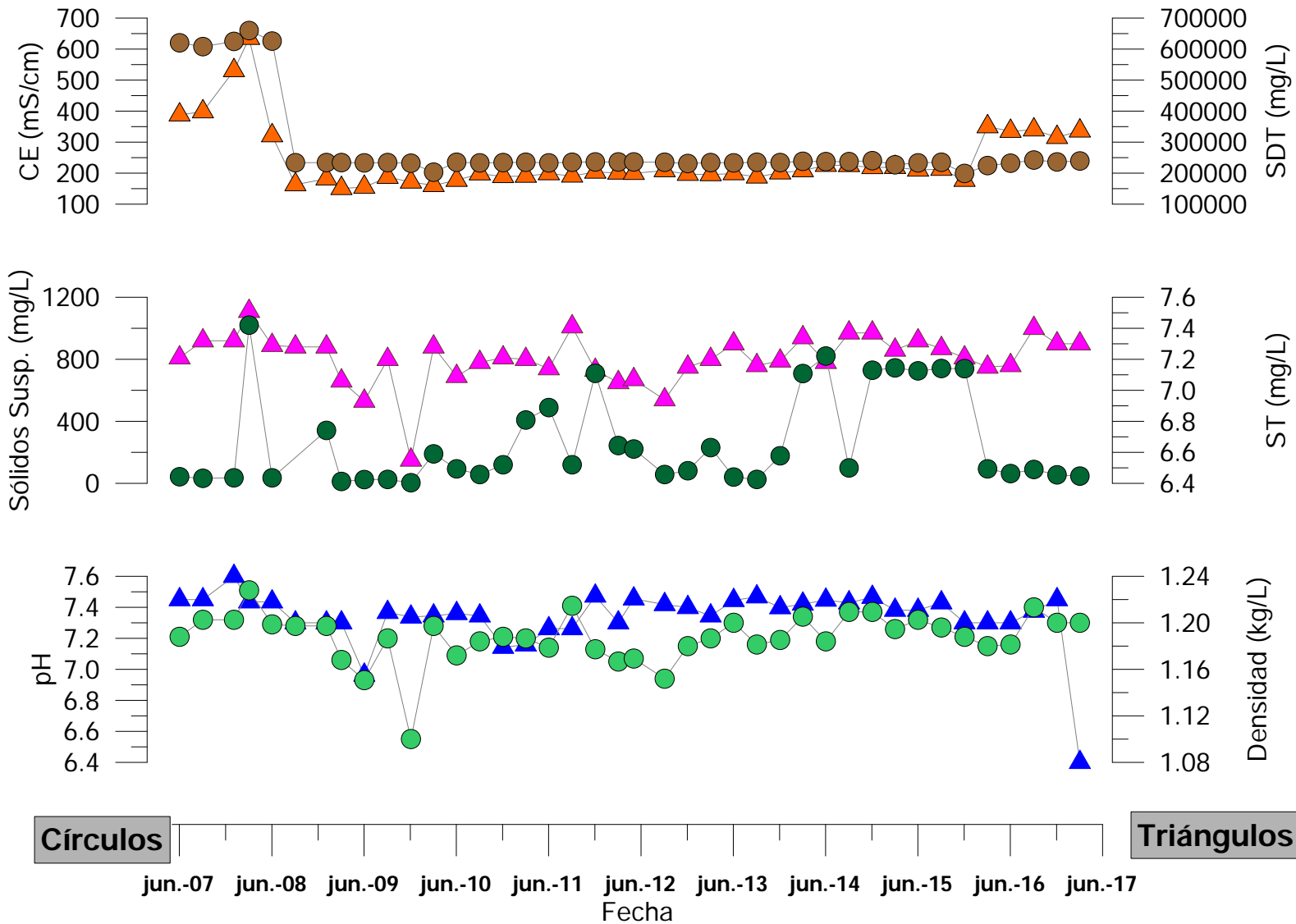
## SOPM-07 (laboratorio)



## SOPM-14 (terreno)



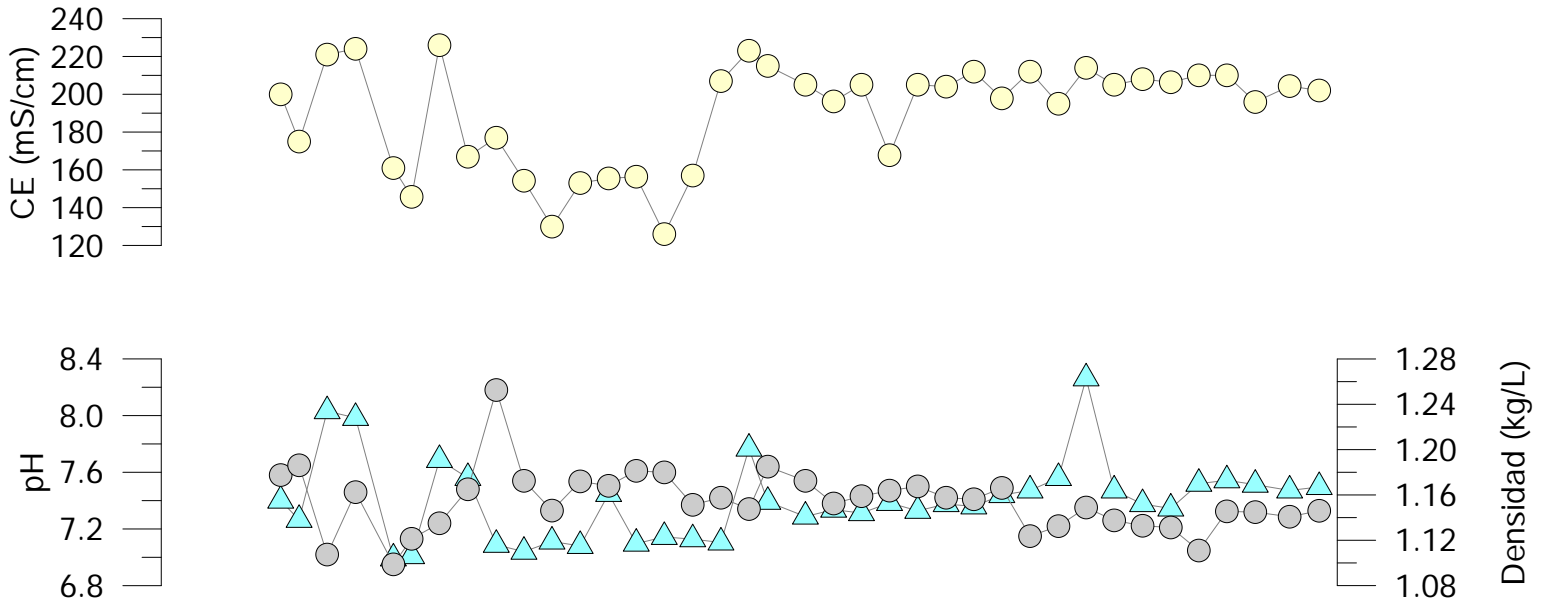
## SOPM-14 (laboratorio)



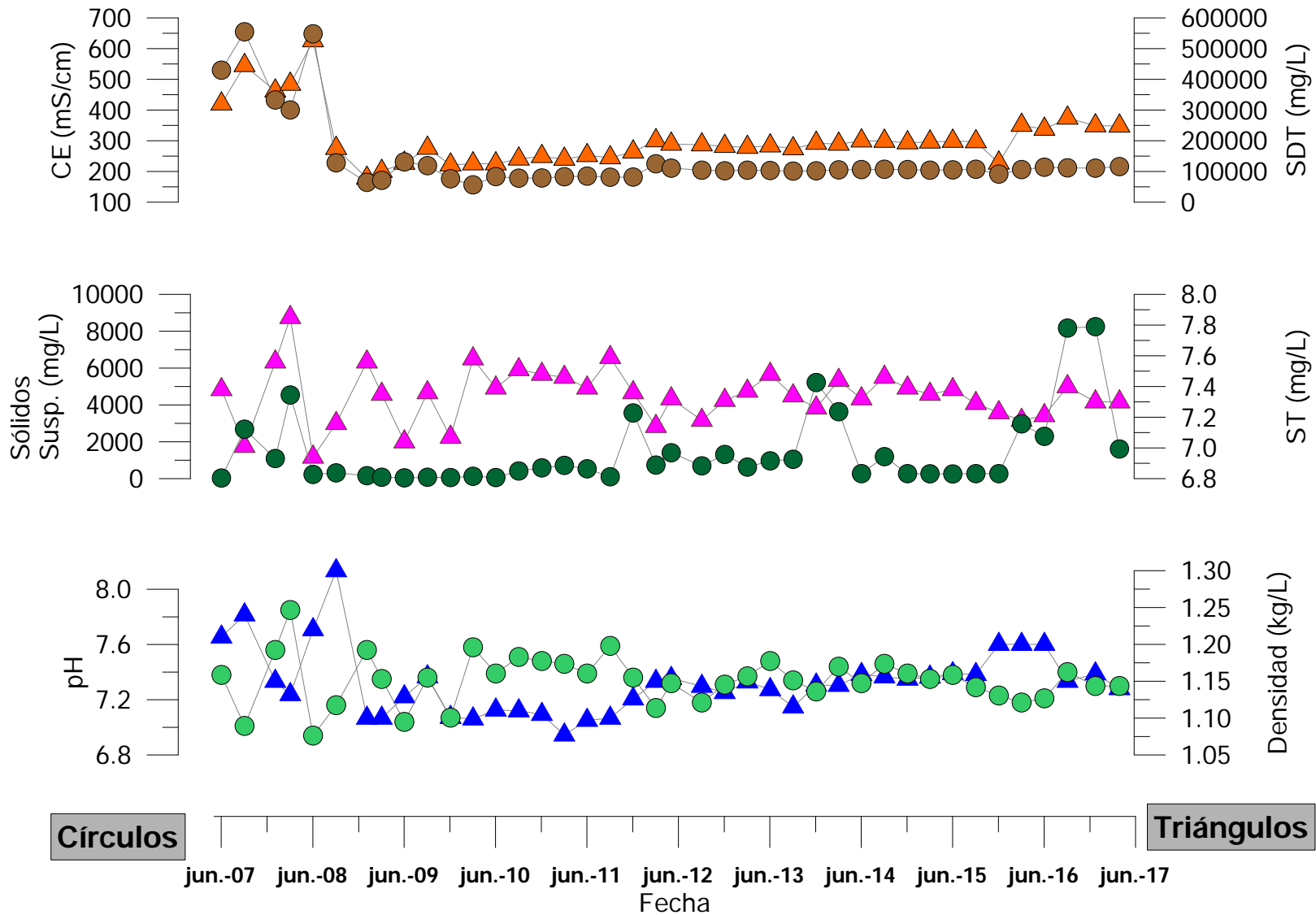
Círculos

Triángulos

## L1-G4 (terreno)



## L1-G4 (laboratorio)

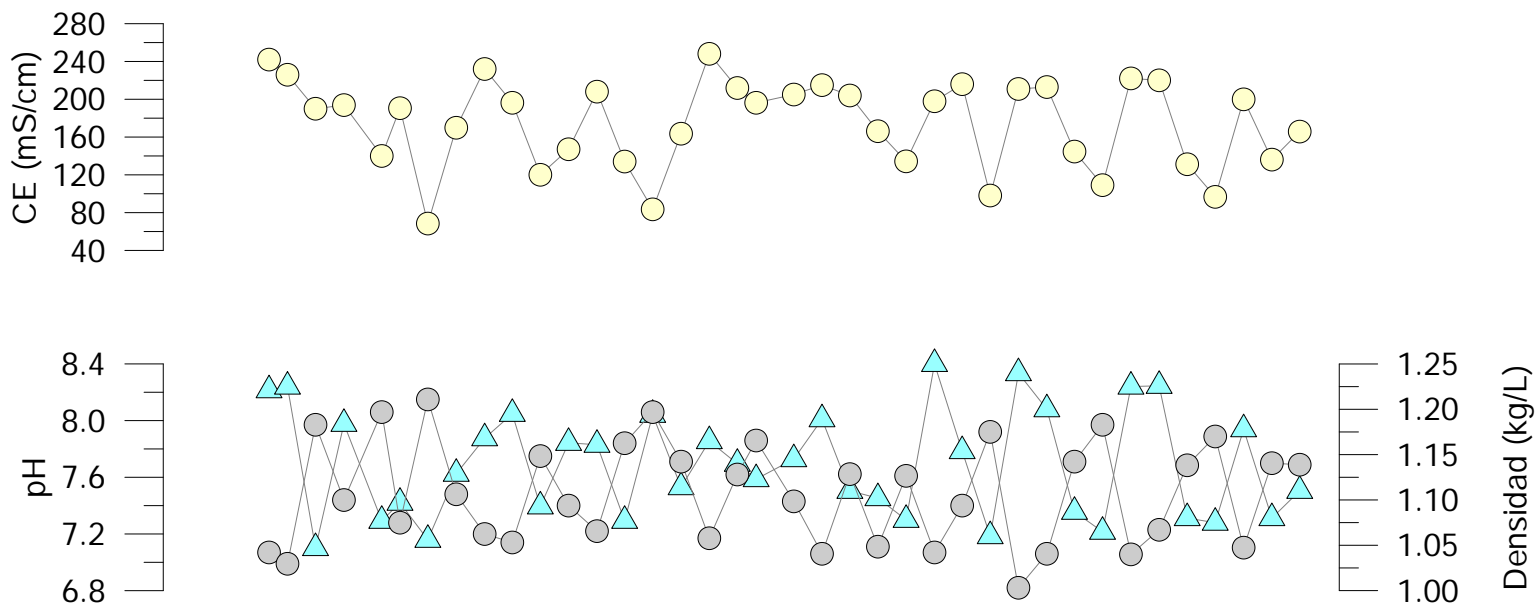


Círculos

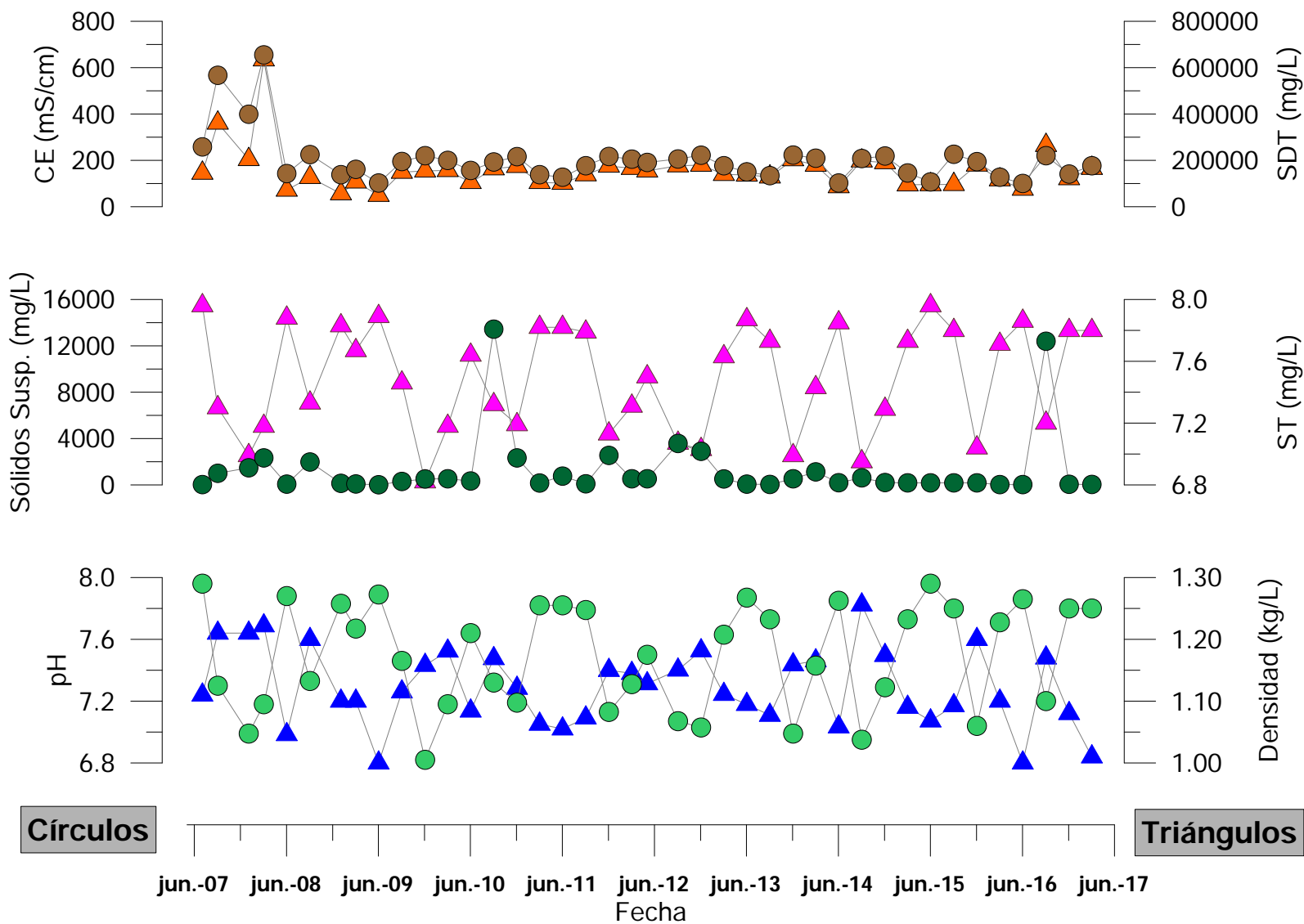
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## L7-G1 (terreno)



## L7-G1 (laboratorio)

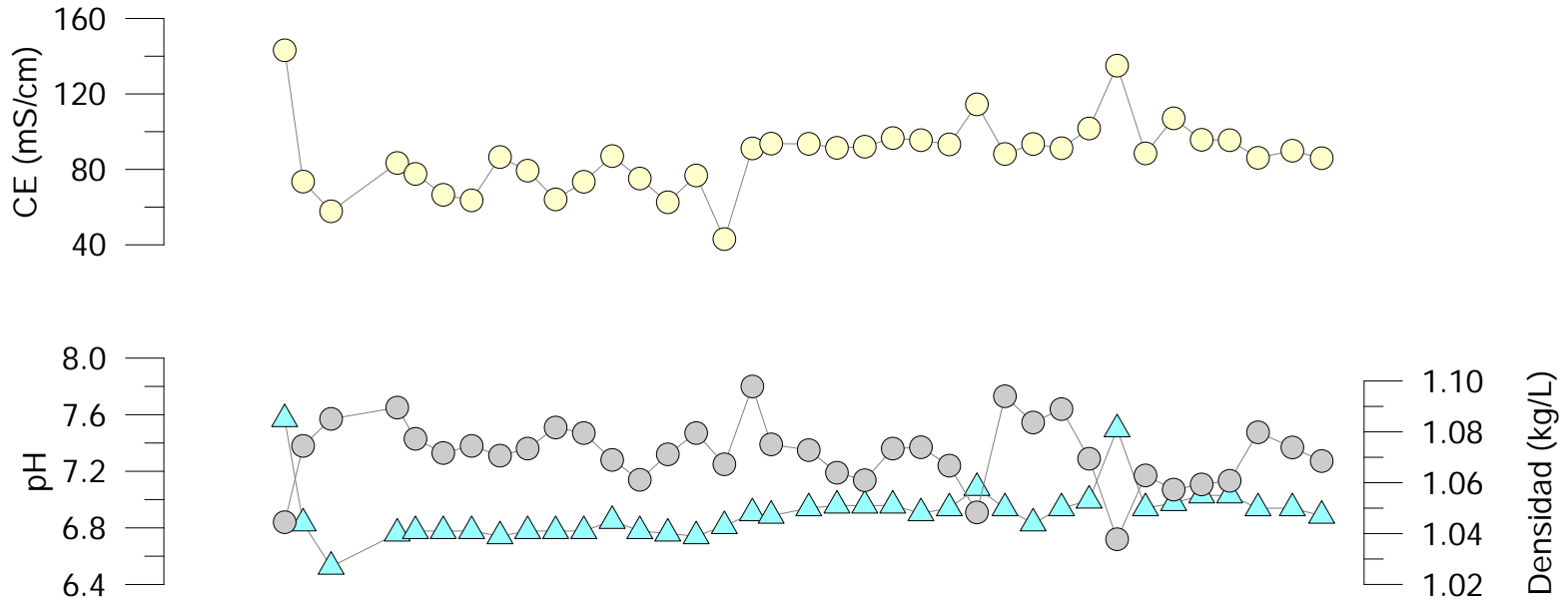


Círculos

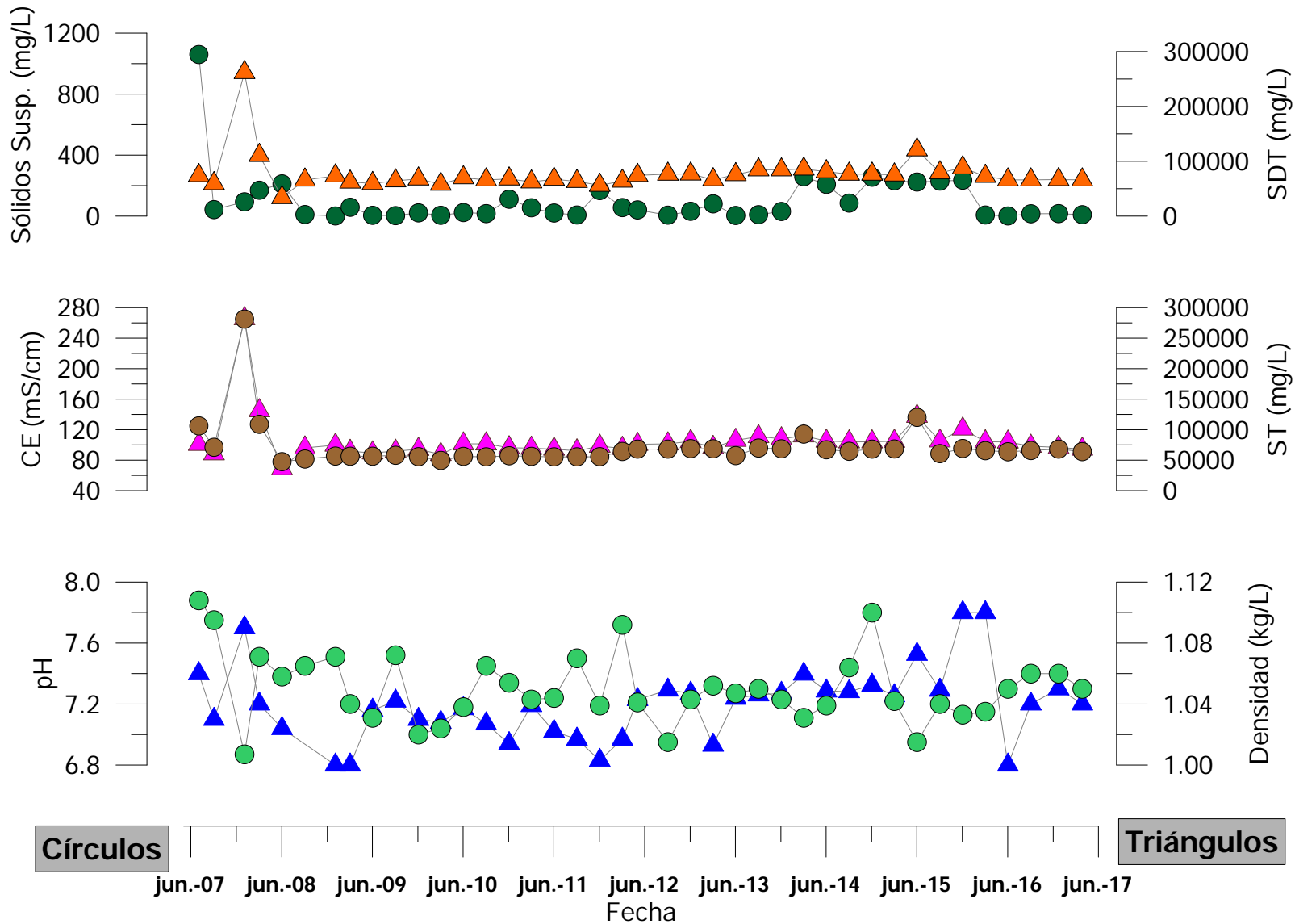
Triángulos



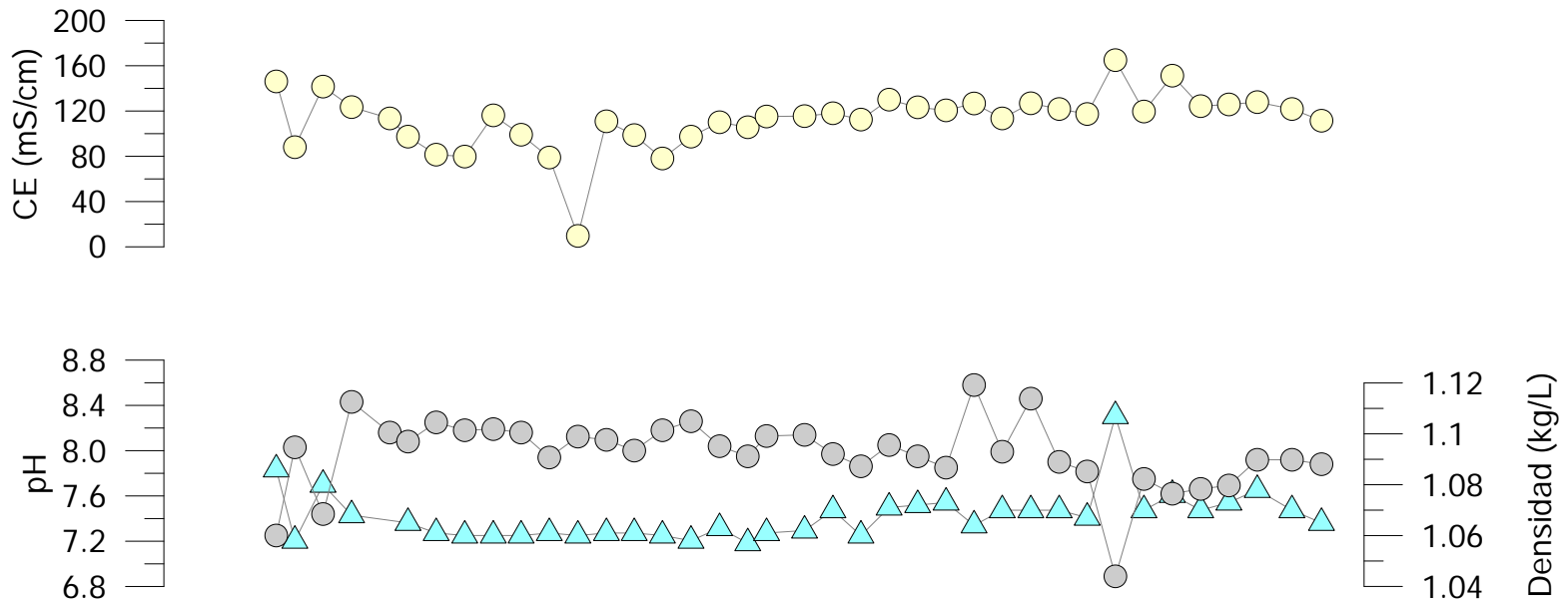
## L4-8 (terreno)



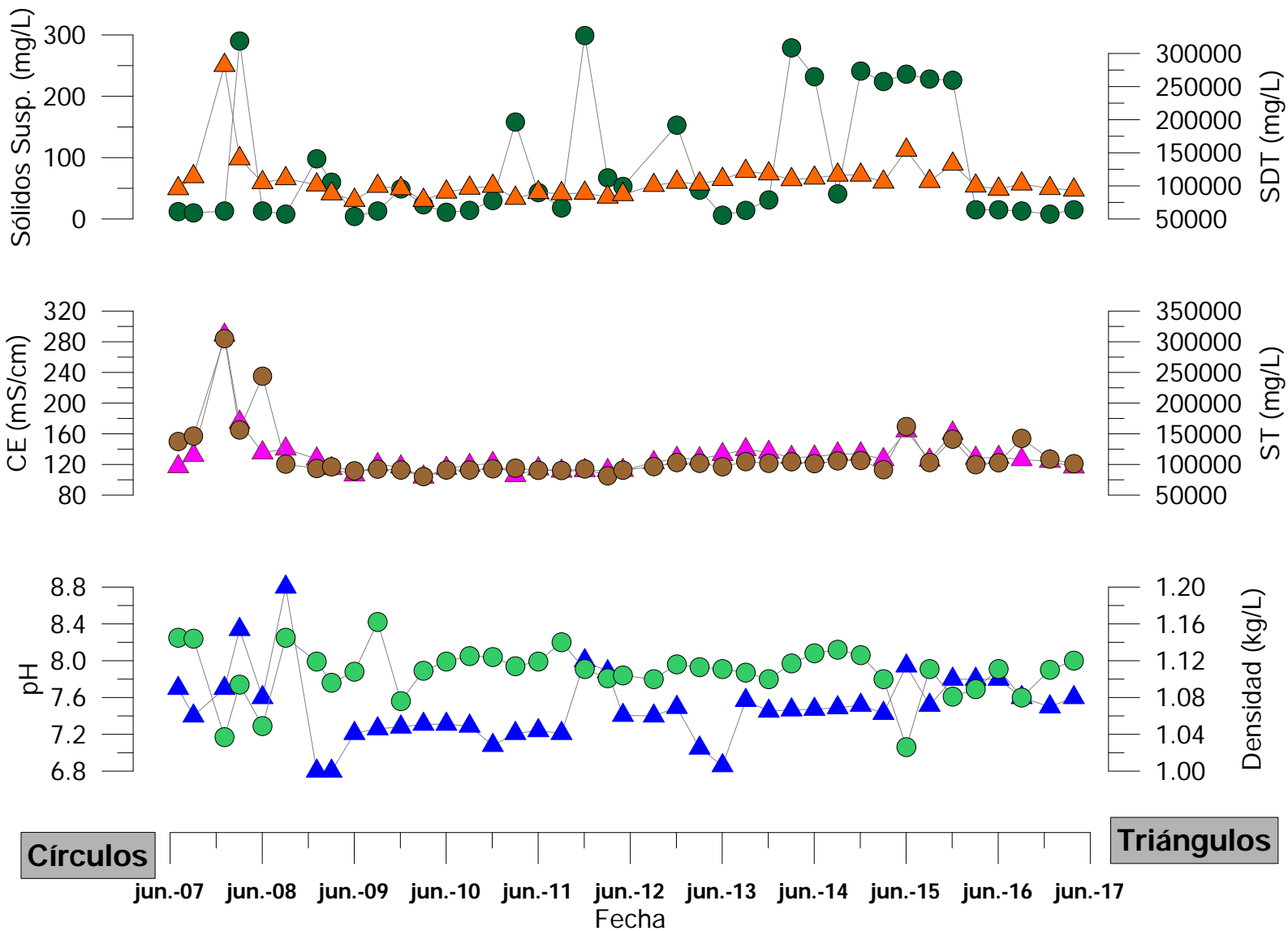
## L4-8 (laboratorio)



## L4-9 (terreno)



## L4-9 (laboratorio)

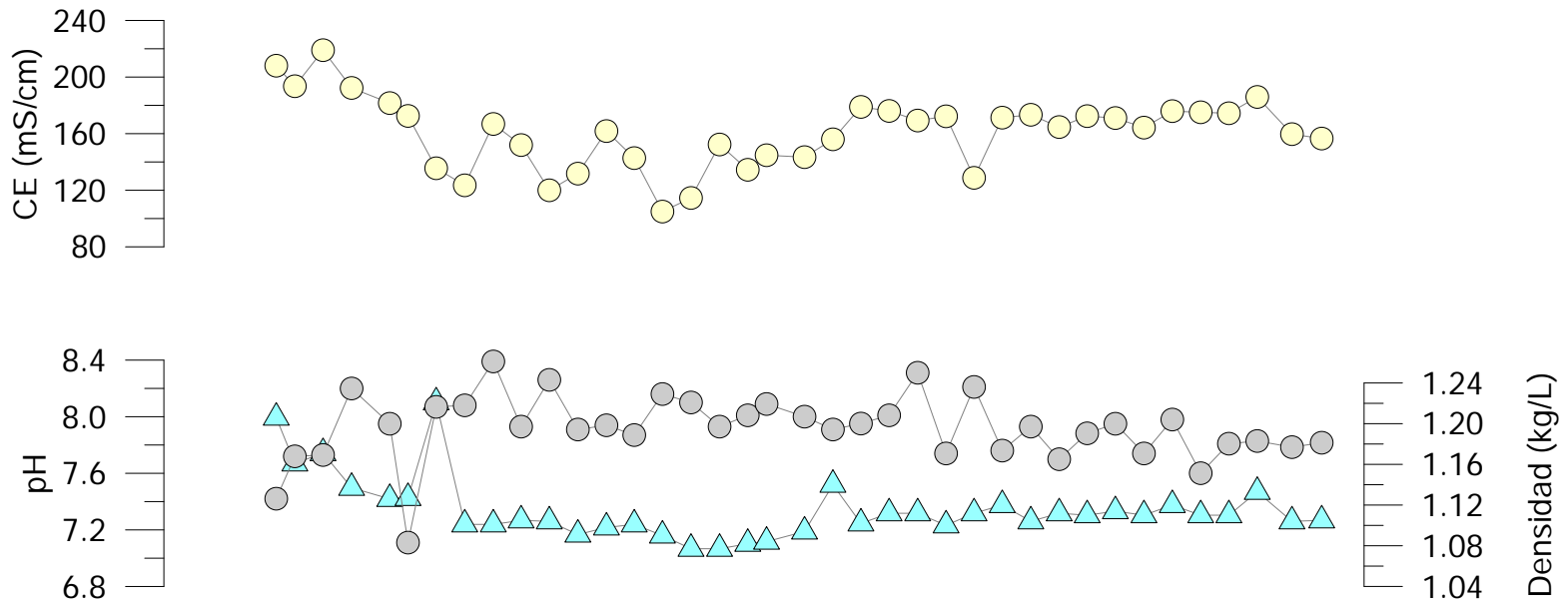


Círculos

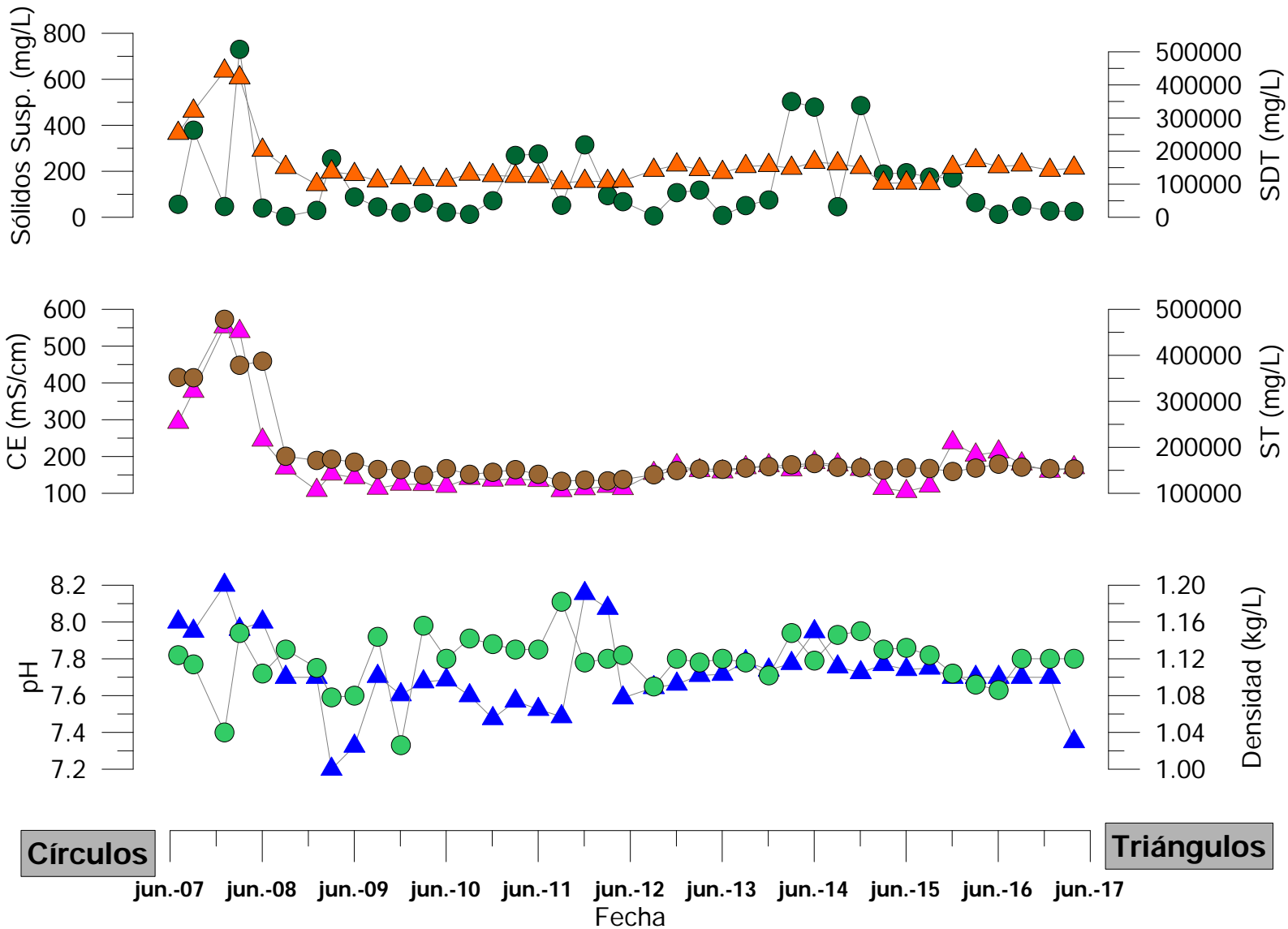
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

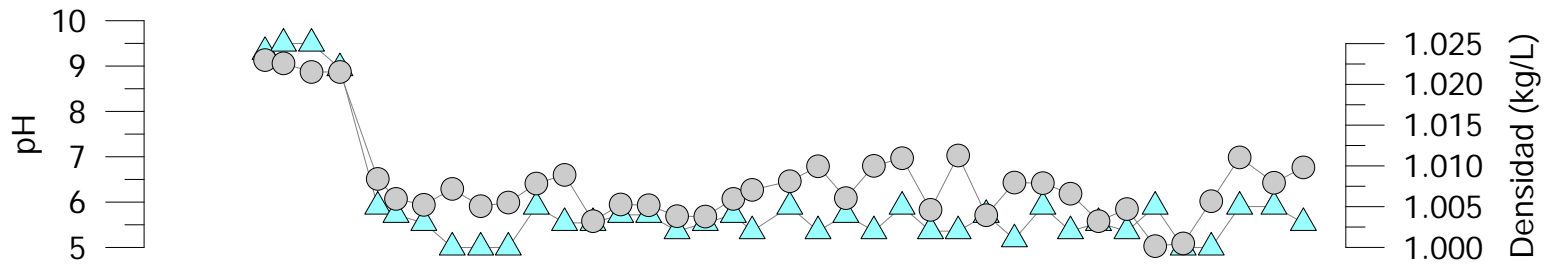
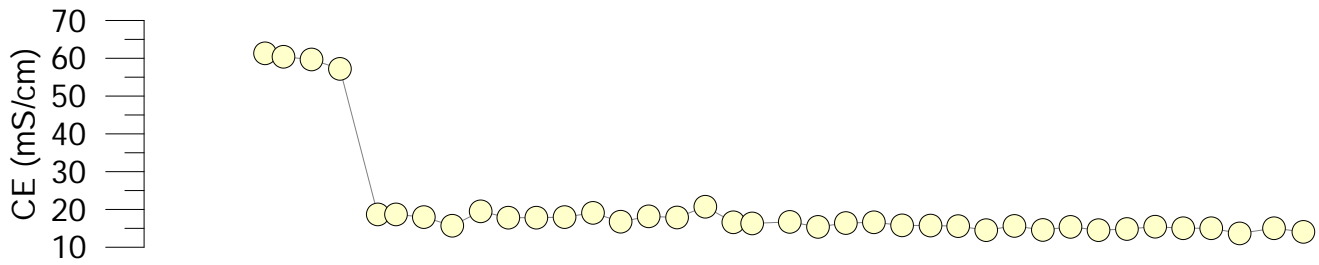
## L4-12 (terreno)



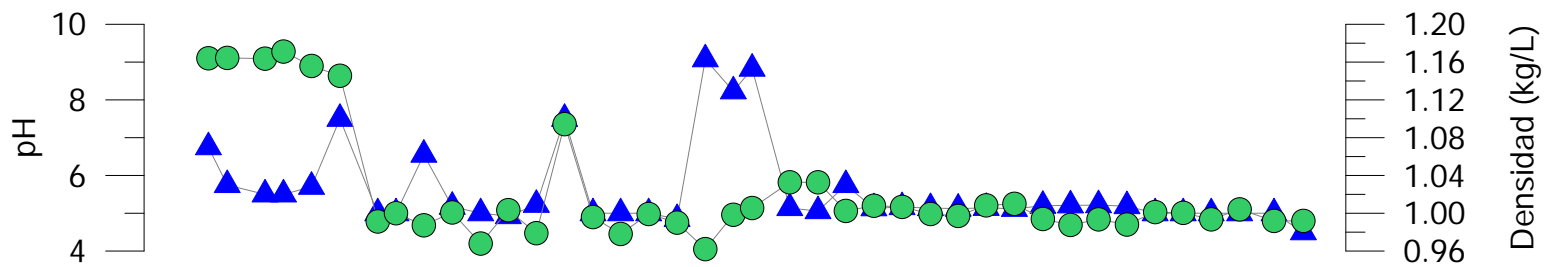
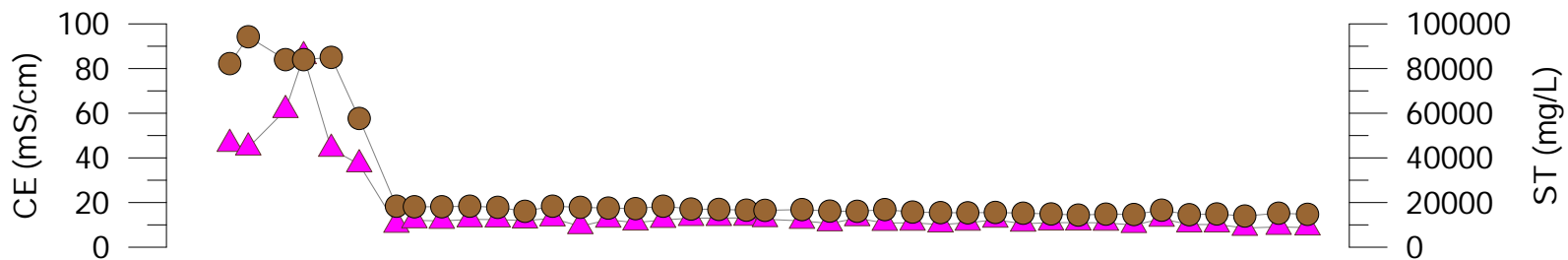
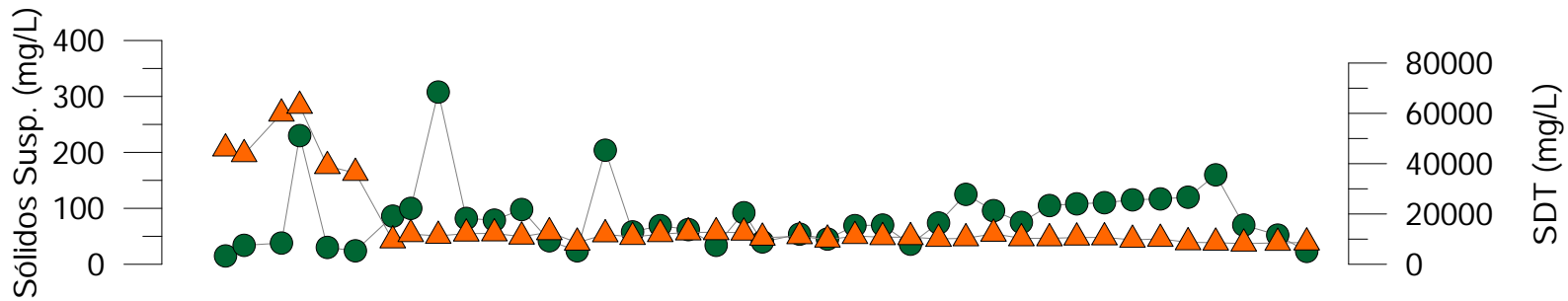
## L4-12 (laboratorio)



## L4-3 (terreno)



## L4-3 (laboratorio)



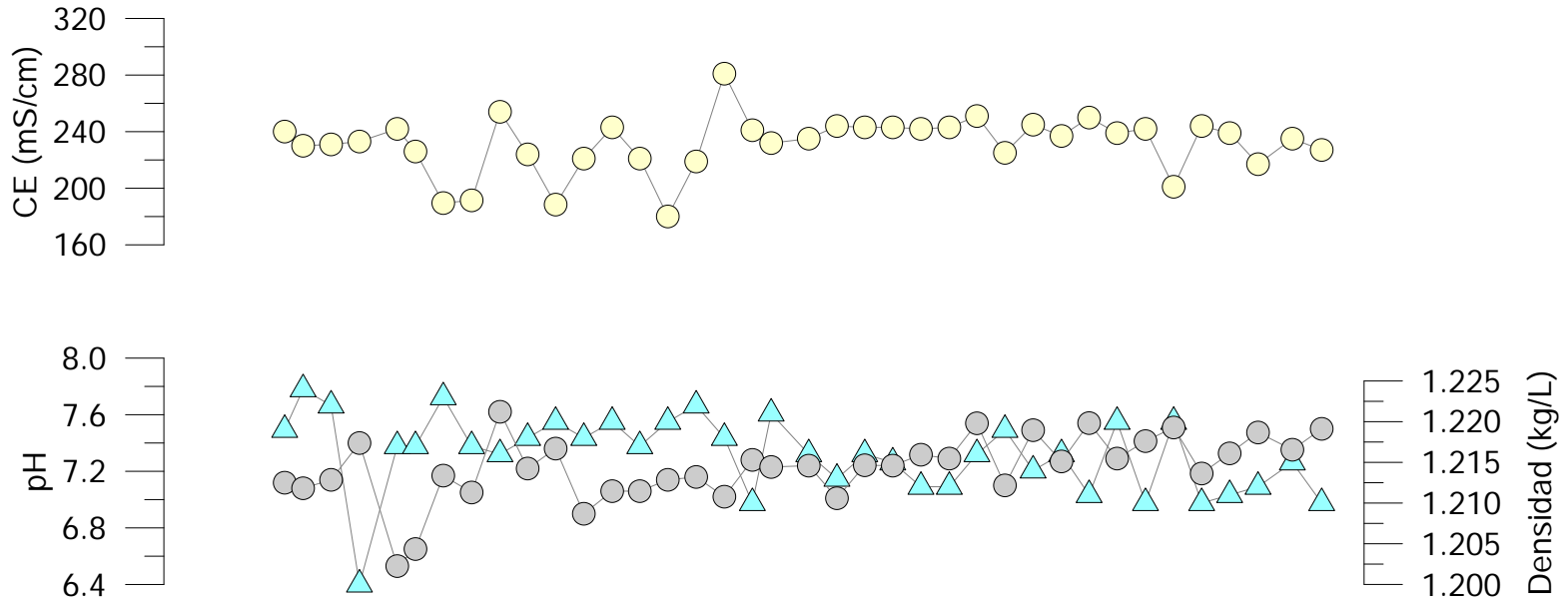
Círculos

Triángulos

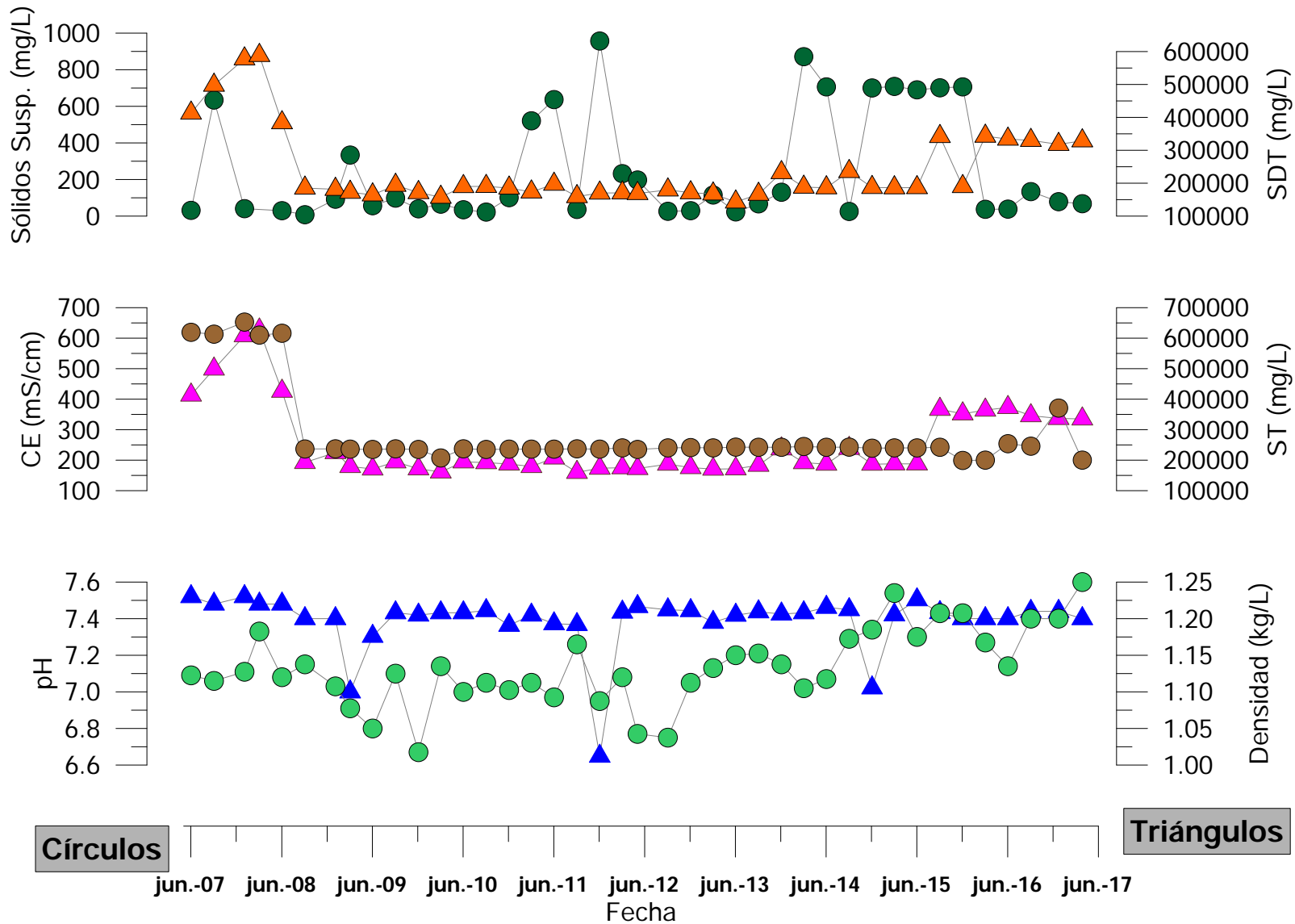
jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17

Fecha

## L4-6 (terreno)



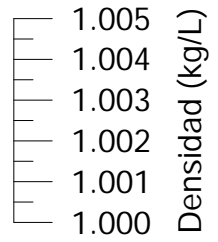
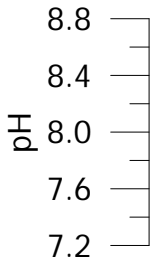
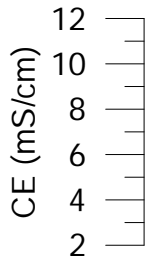
## L4-6 (laboratorio)



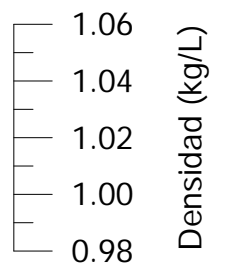
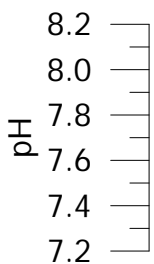
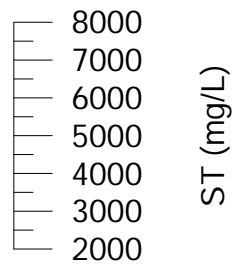
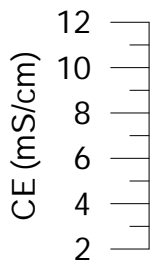
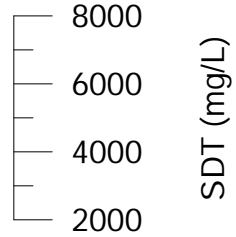
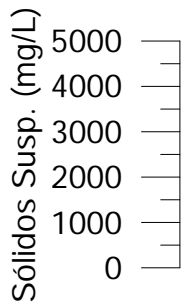
Círculos

Triángulos

## L5-3 (terreno)



## L5-3 (laboratorio)

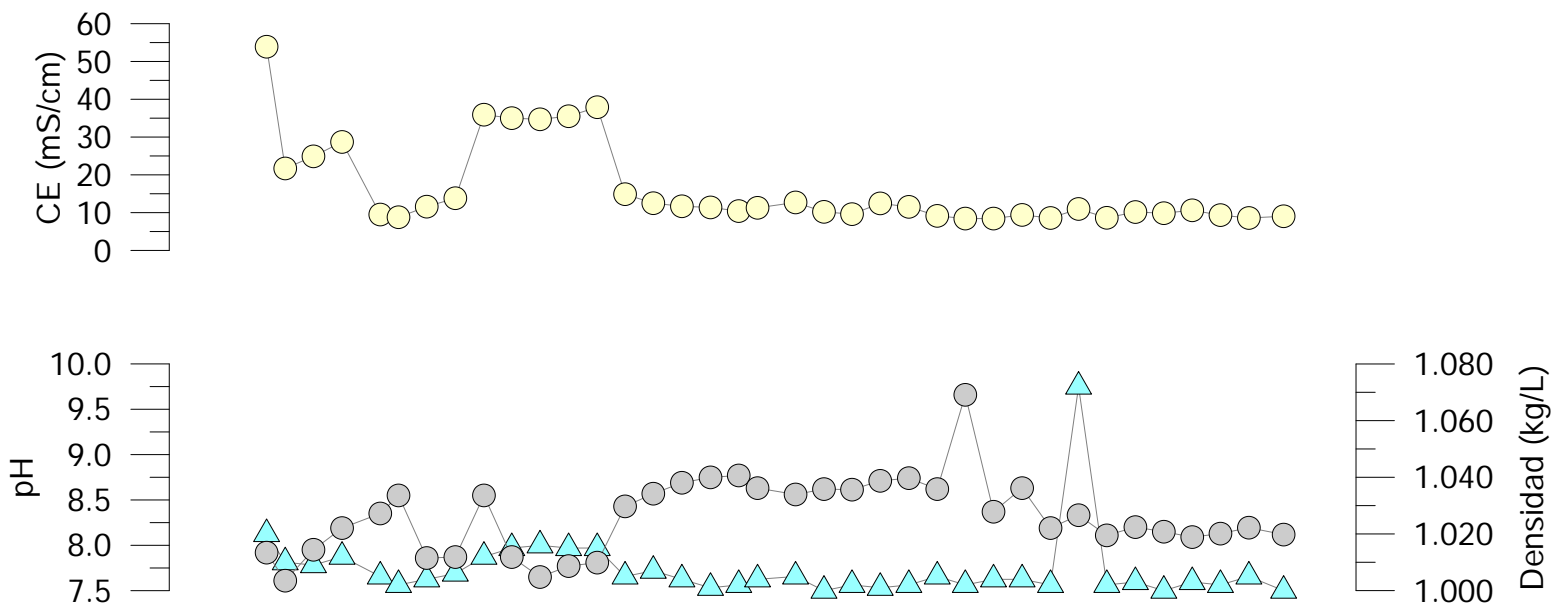


Círculos

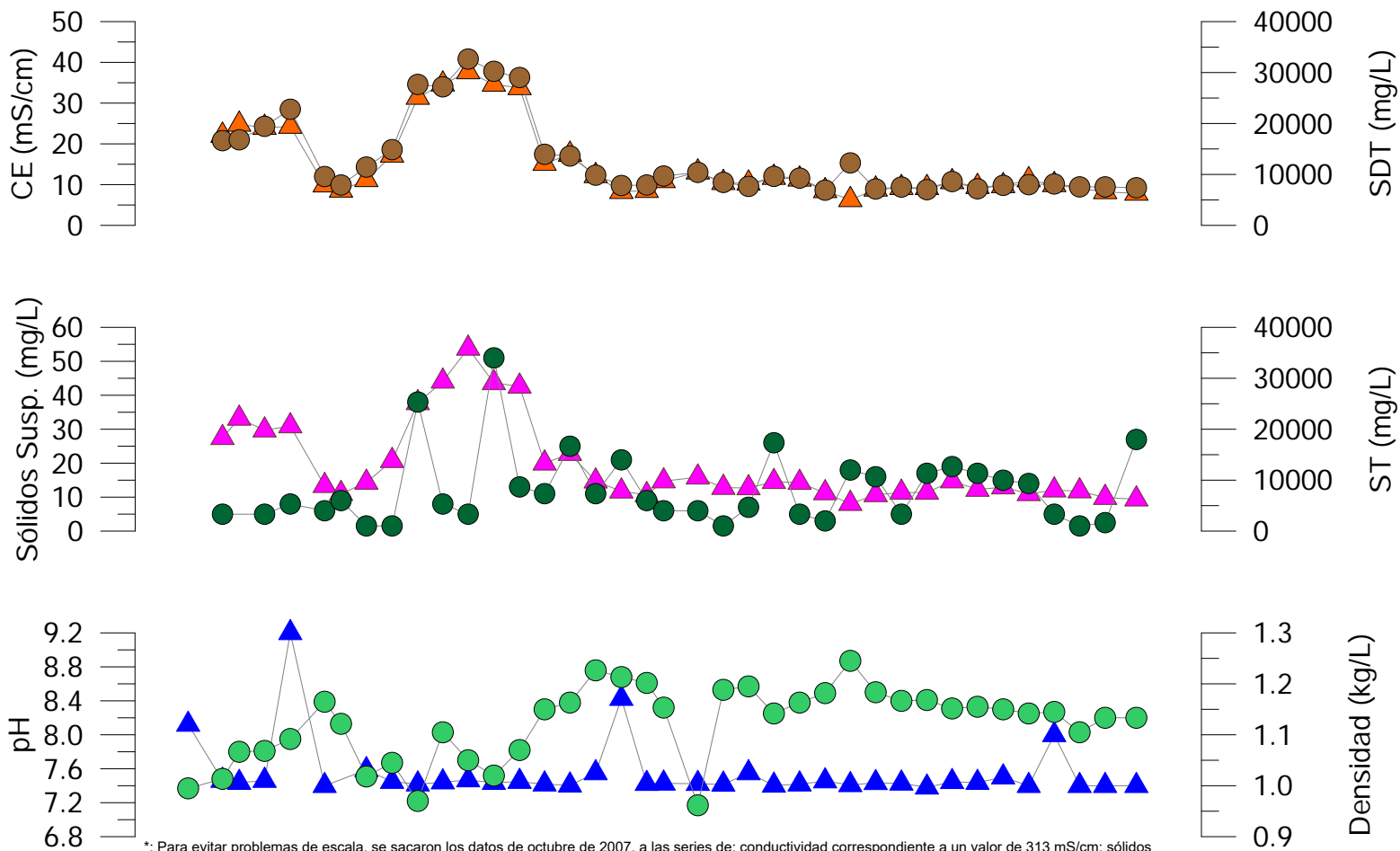
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## L10-1\* (terreno)



## L10-1 (laboratorio)



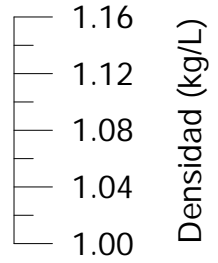
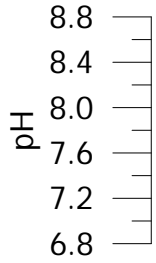
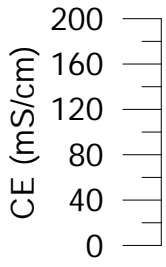
\*: Para evitar problemas de escala, se sacaron los datos de octubre de 2007, a las series de: conductividad correspondiente a un valor de 313 mS/cm; sólidos disueltos totales correspondiente a un valor de 244.000 mg/L; sólidos suspendidos correspondiente a un valor de 442 mg/L; sólidos totales correspondiente a un valor de 244.800 mg/L.

Círculos

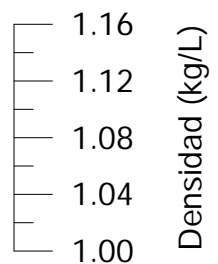
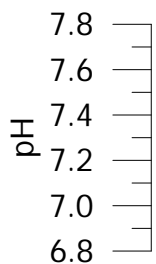
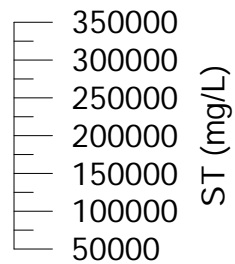
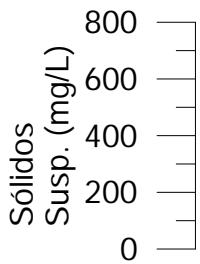
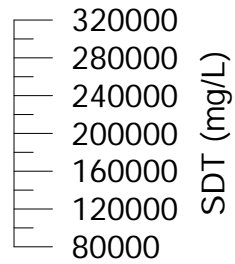
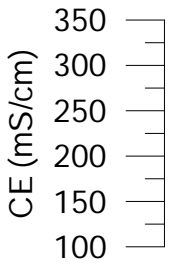
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## L10-4 (terreno)



## L10-4 (laboratorio)



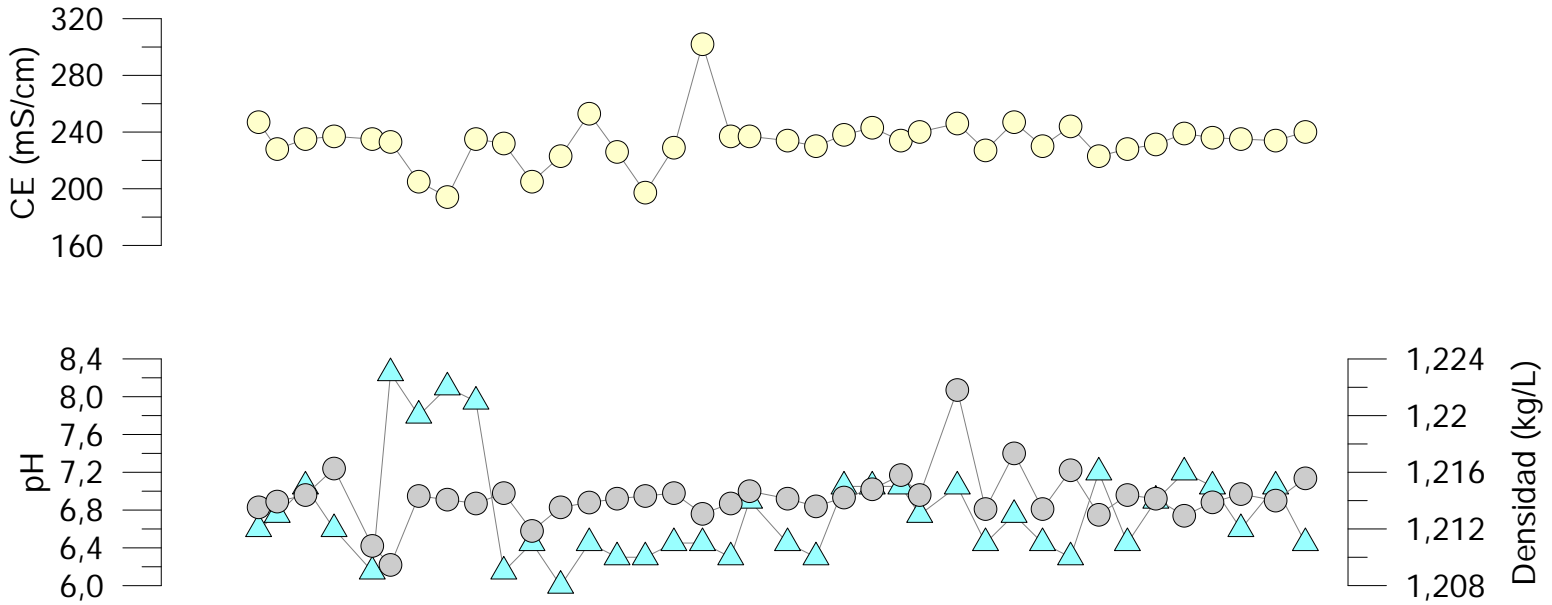
Círculos

Triángulos

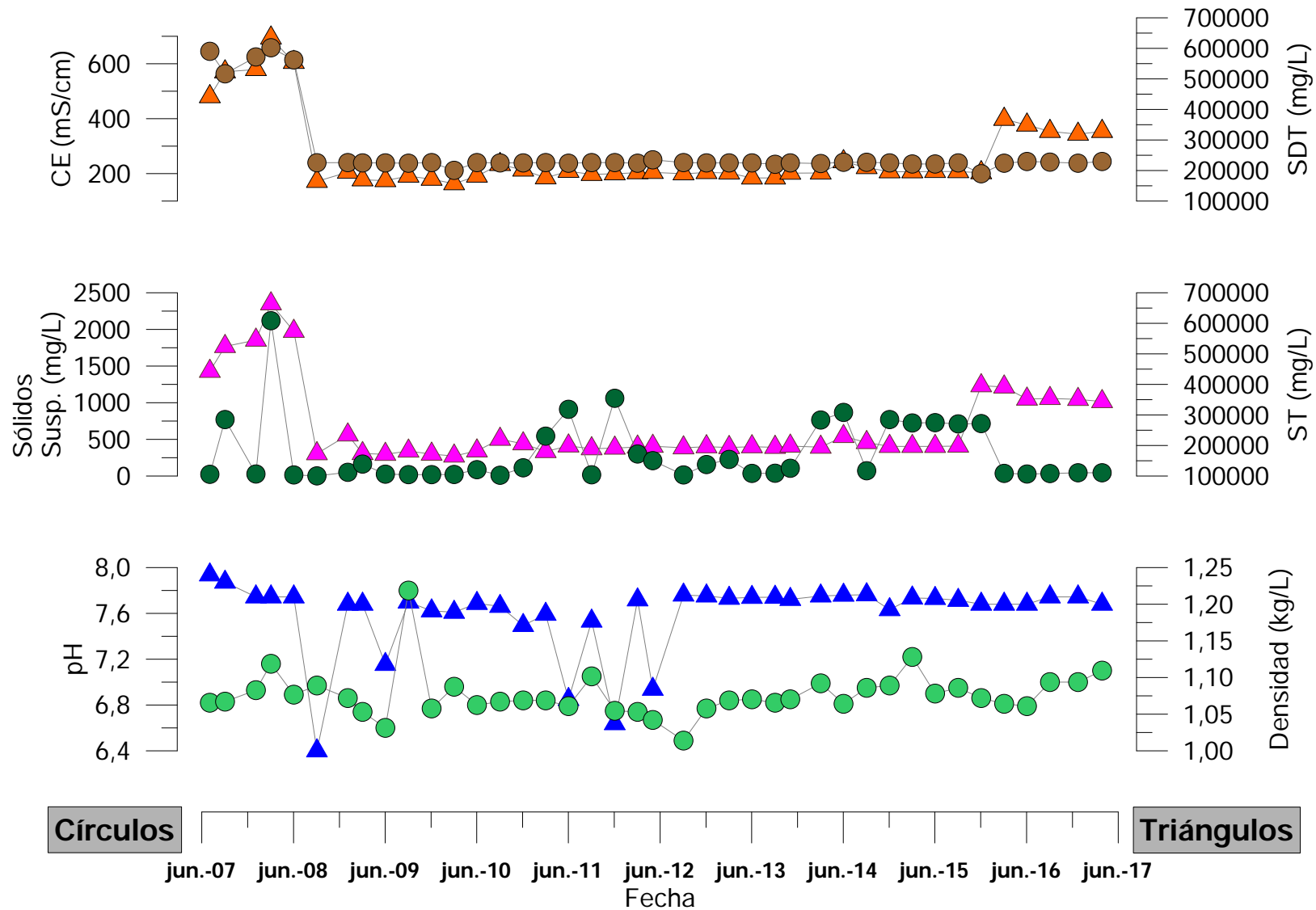
jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha



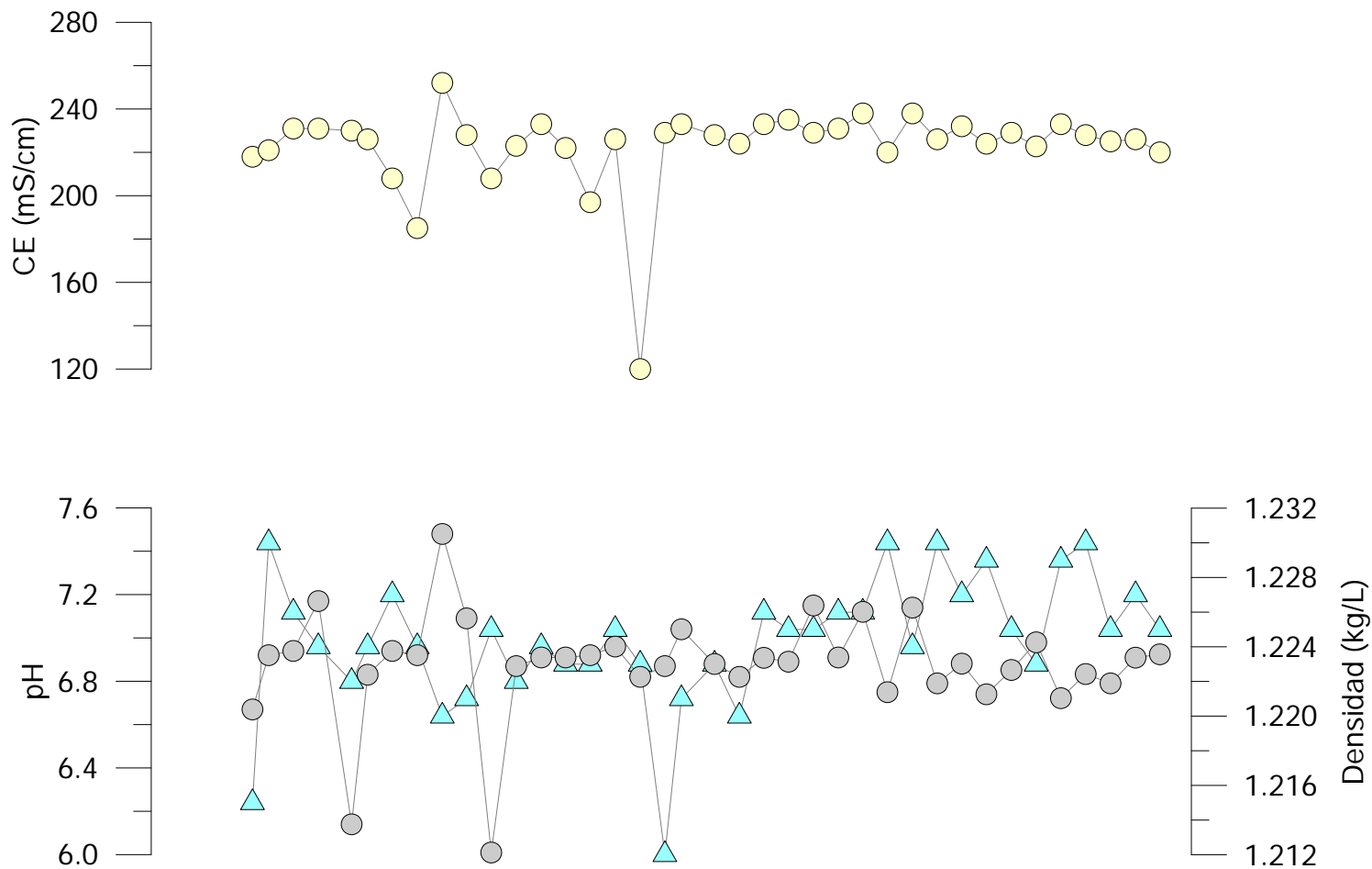
## 1028 (terreno)



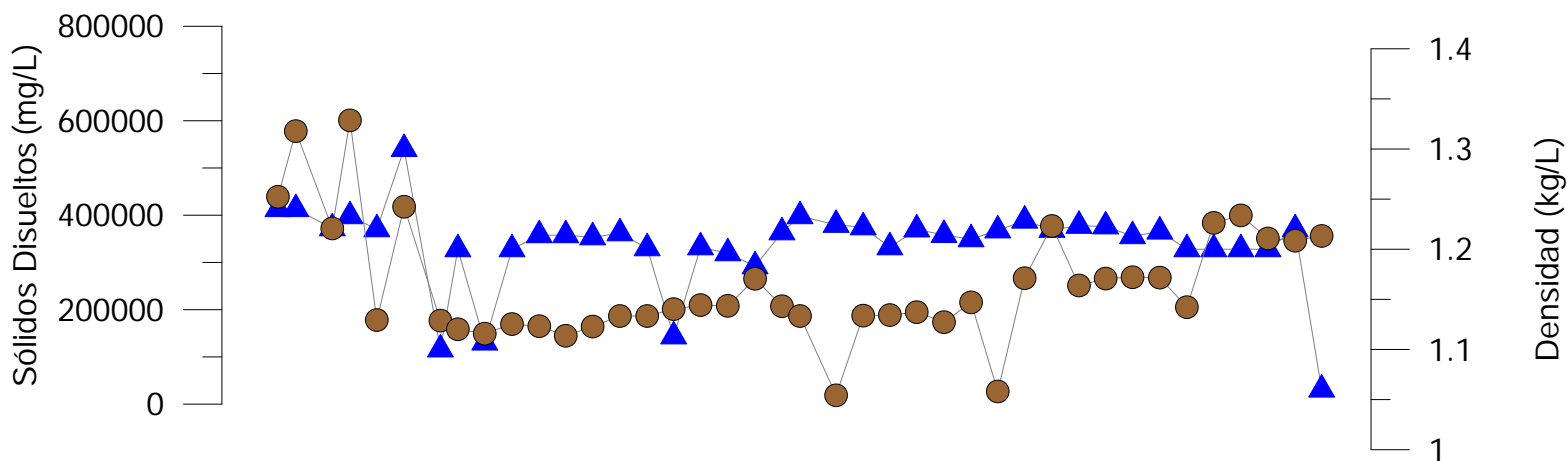
## 1028 (laboratorio)



## SOPM-12c (terreno)



## SOPM-12c (laboratorio)

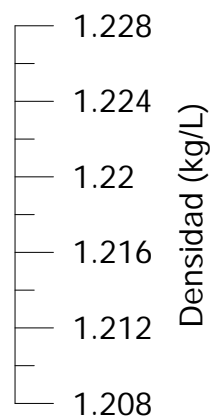
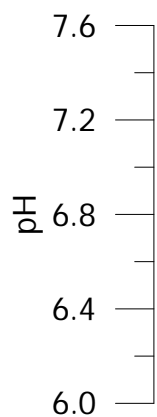
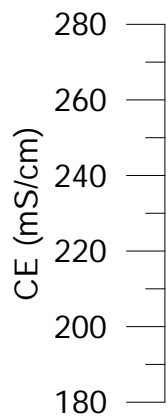


Círculos

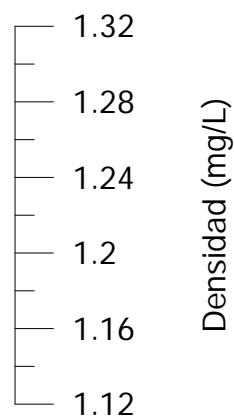
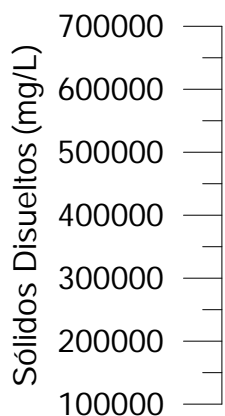
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

# 1001 (terreno)



# 1001 (laboratorio)

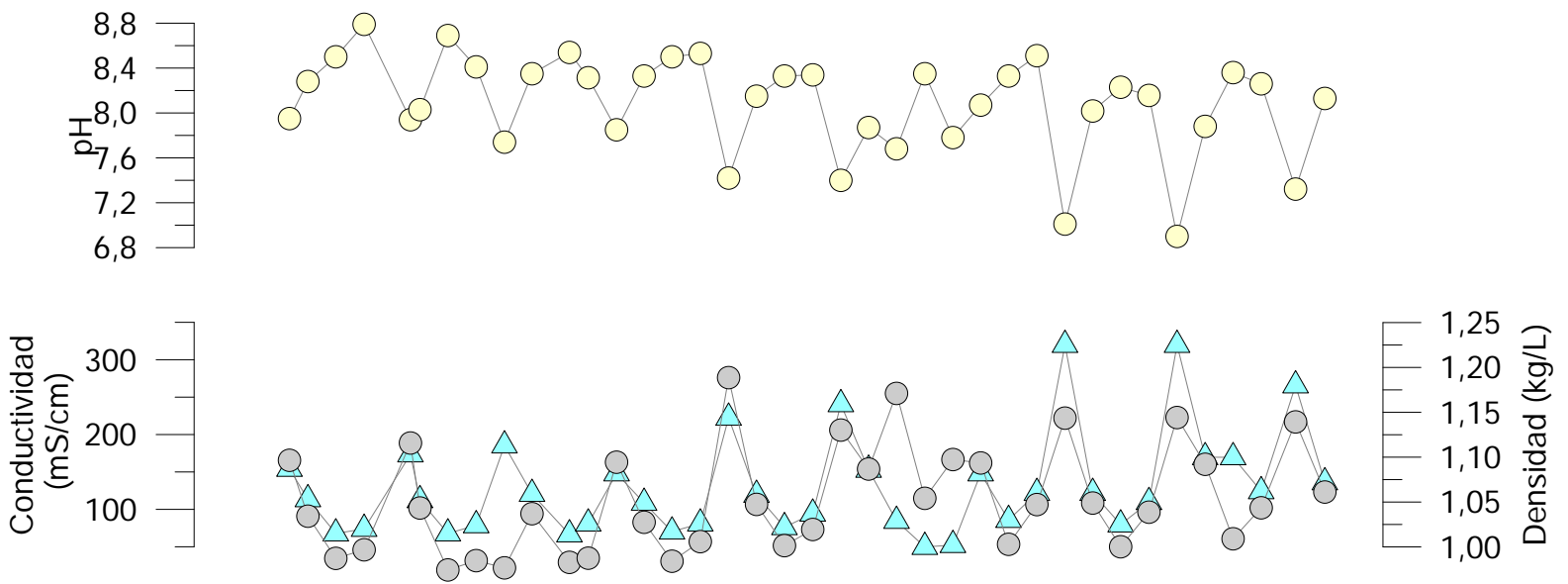


Círculos

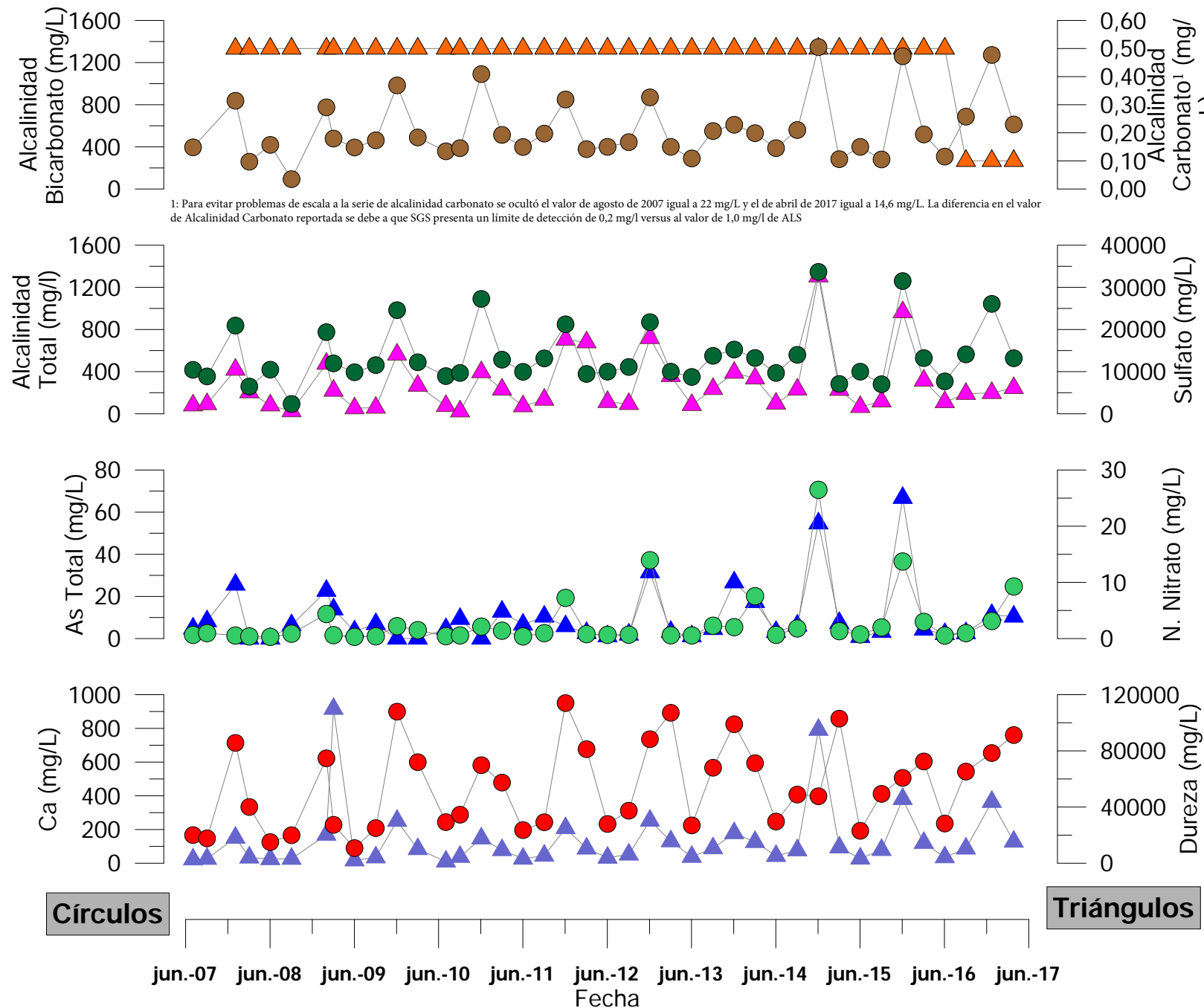
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

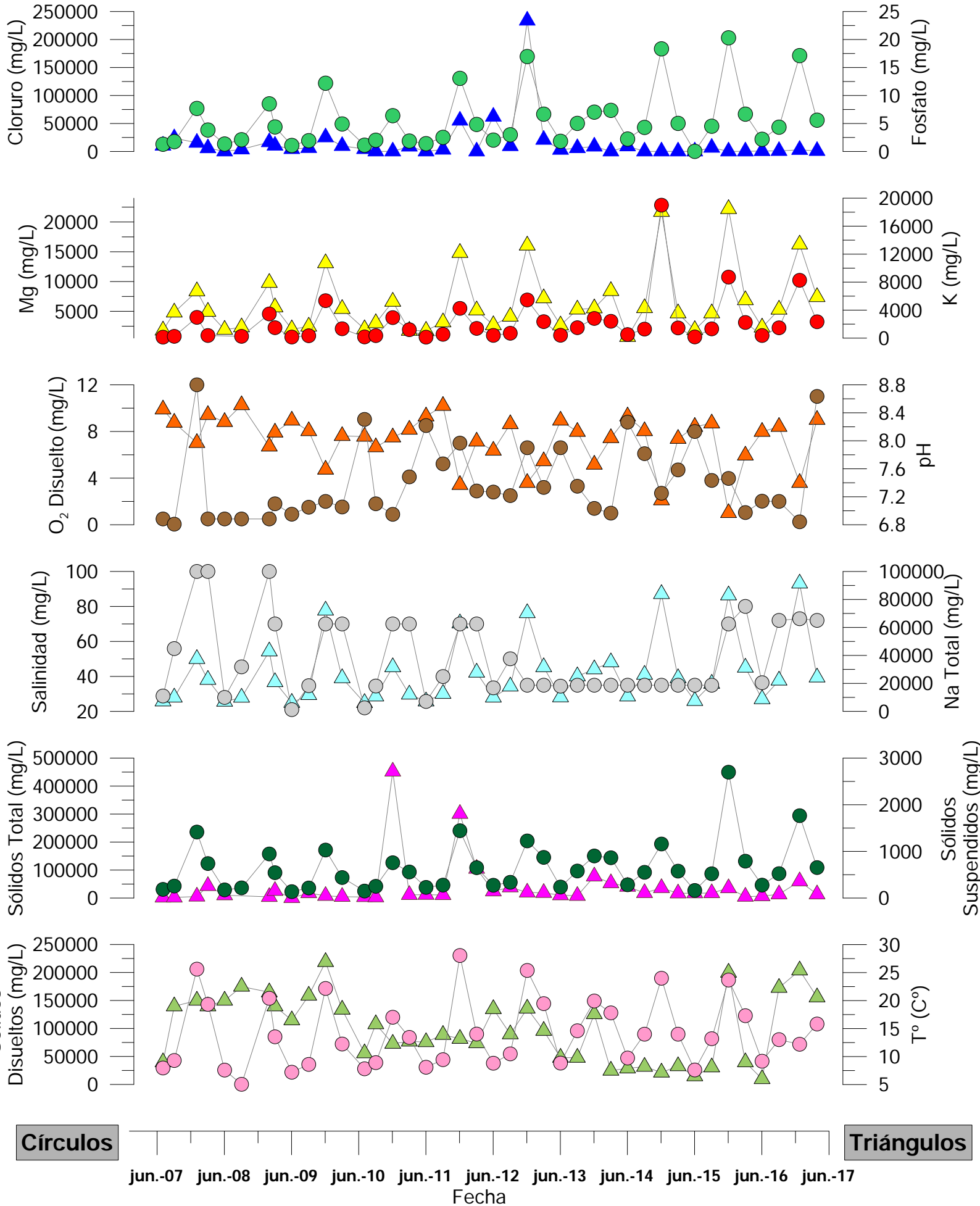
## L4-10 (terreno)



## L4-10 (laboratorio)

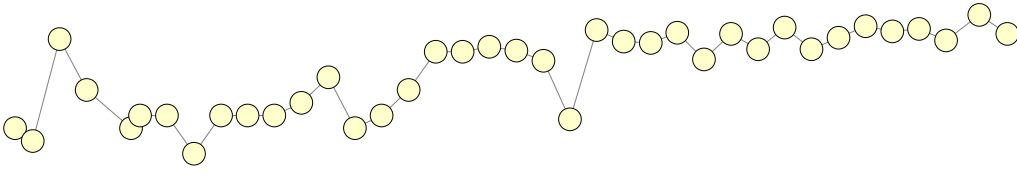


# L4-10 (laboratorio) Continuación

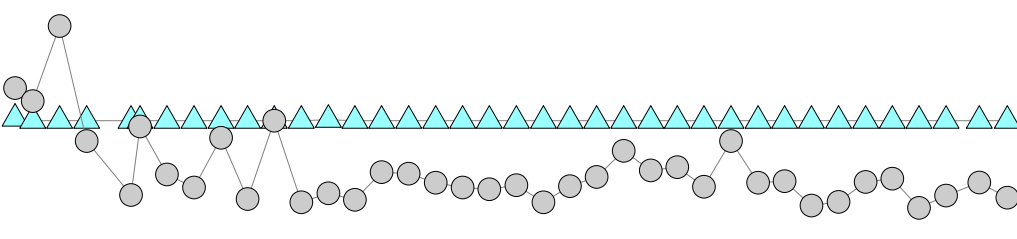


## Mullay (terreno)

Conduct. (mS/cm)



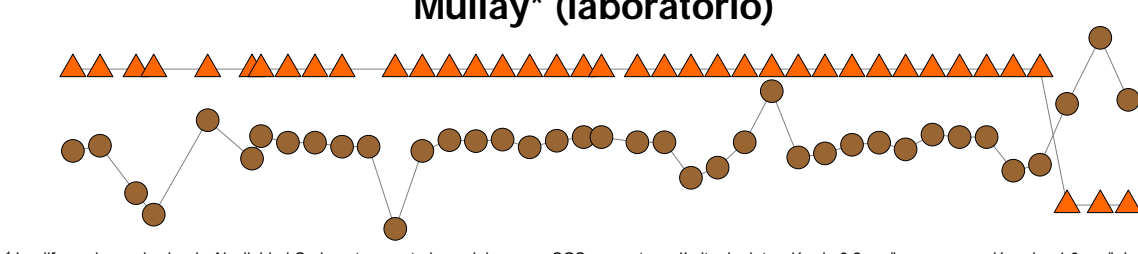
pH



Densidad (mg/L)

## Mullay\* (laboratorio)

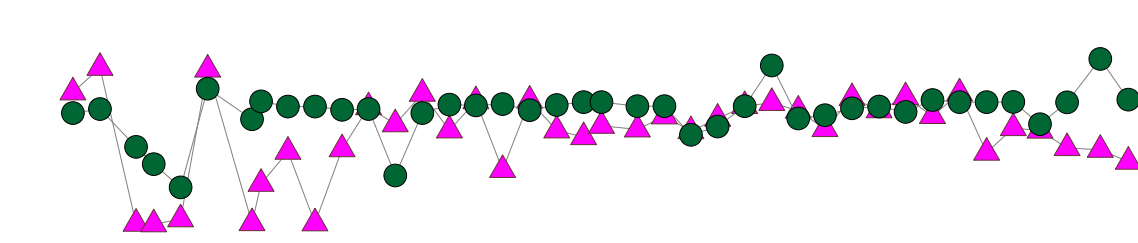
Alcalinidad  
Bicarbonato (mg/L)



<sup>1</sup>:La diferencia en el valor de Alcalinidad Carbonato reportada se debe a que SGS presenta un límite de detección de 0,2 mg/l en comparación a los 1,0 mg/l de ALS.

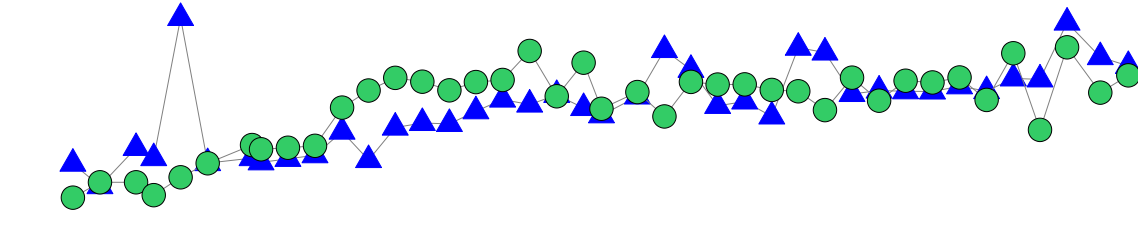
Alcalinidad  
Carbonato (mg/l)

Alcalinidad  
Total (mg/l)



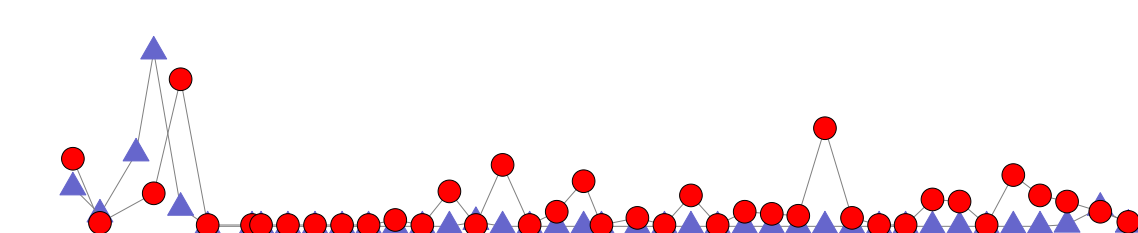
As Total (mg/l)

Ca Total (mg/l)



Cloruro (mg/l)

Hierro<sup>2</sup>  
Total (mg/l)



Mn Total (mg/l)

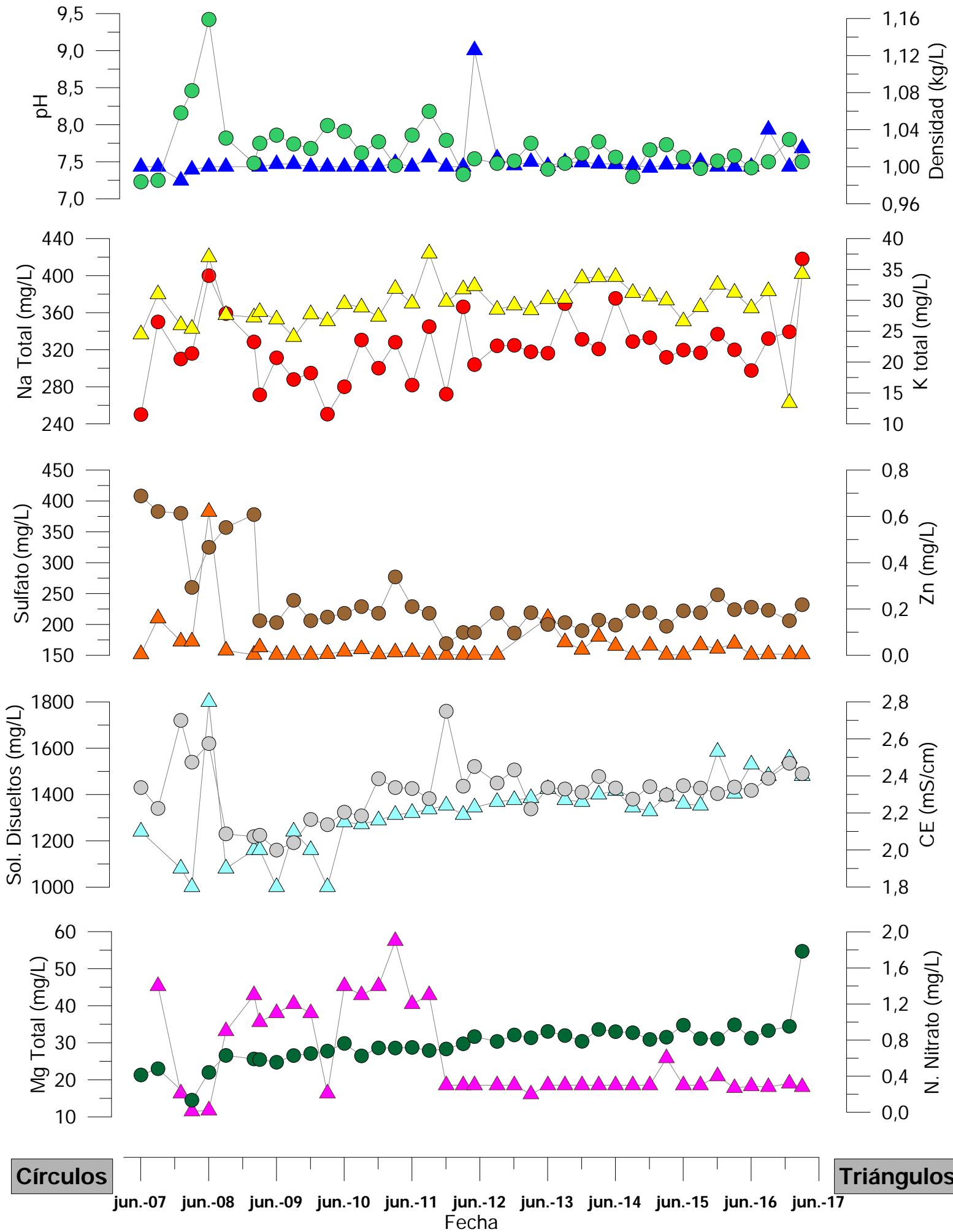
<sup>2</sup>:Para evitar problemas de escala en la serie del Hierro Total se ocultó el valor de febrero de 2008 correspondiente a un valor de 88.2 mg/L.

Círculos

Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

# Mullay (laboratorio) Continuación



## Allana (terreno)

Conduct. (mS/cm)

pH

Densidad (mg/L)

## Allana (laboratorio)

Alcalinidad Bicarbonato (mg/L)

Alcalinidad Total (mg/l)

Ca Total (mg/l)

Hierro<sup>2</sup> Total (mg/l)

Alcalinidad Carbonato<sup>1</sup> (mg/l)

As Total (mg/l)

Cloruro (mg/l)

Mn Total (mg/l)

<sup>1</sup>: La diferencia en el valor de Alcalinidad Carbonato reportada se debe a que SGS presenta un límite de detección de 0,2 mg/l en comparación a los 0,5 mg/l de ALS. Además, para evitar problemas de escala se extrajo el registro de julio y octubre de 2007 correspondientes a 8 y 9 mg/L respectivamente.

<sup>2</sup>: Para evitar problemas de escala se ocultaron los registros de octubre de 2007, febrero y julio de 2008 correspondientes a un valor de 4; 24,5 y 4,4 mg/L.

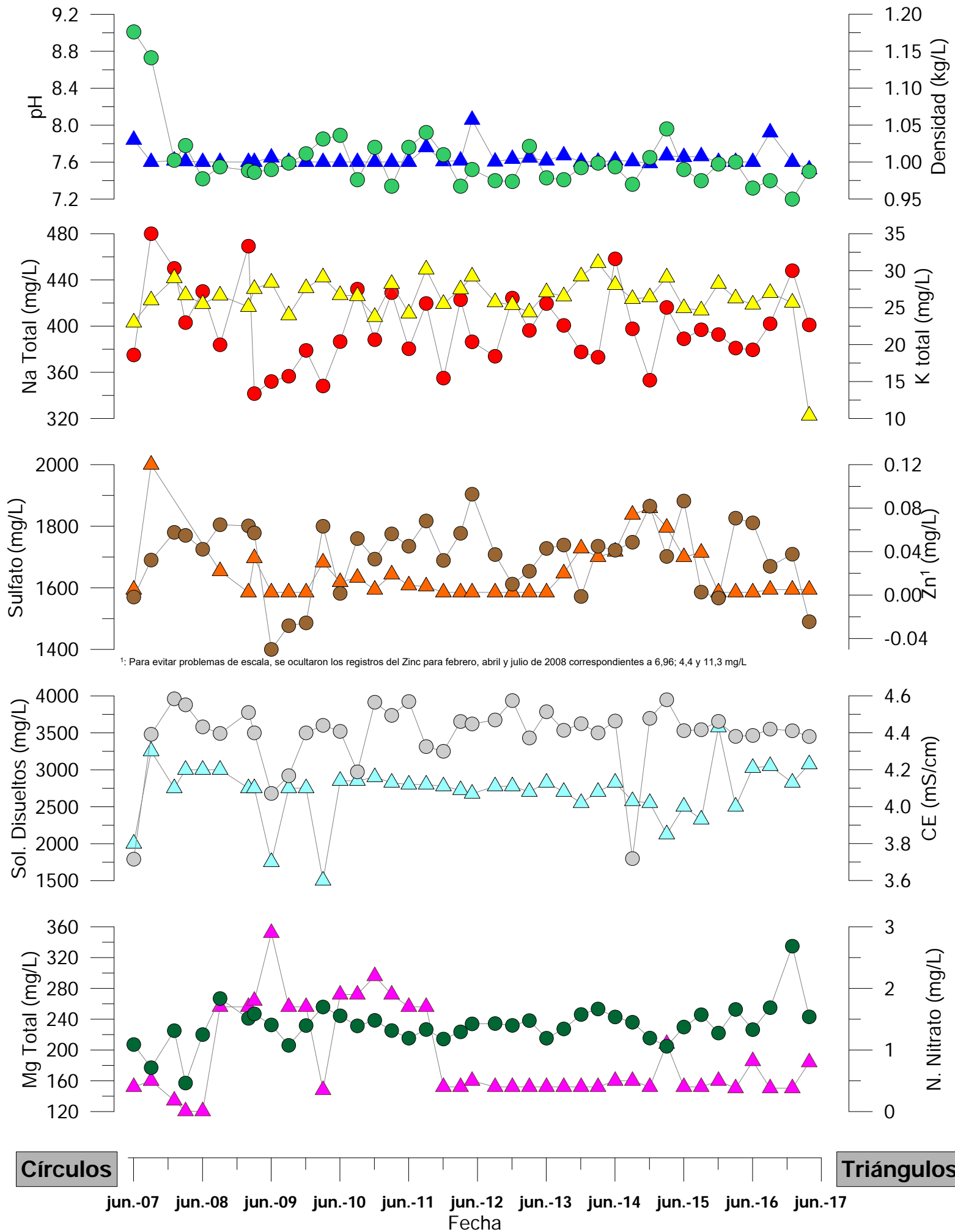
Círculos

Triángulos

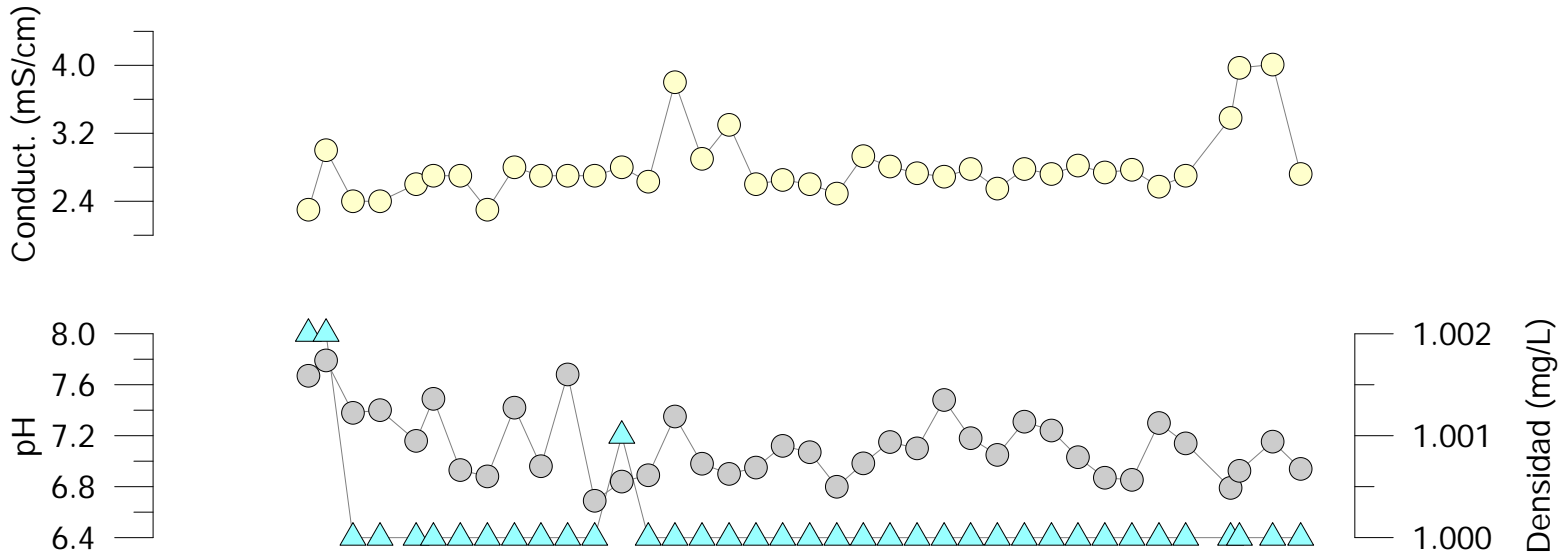
jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha



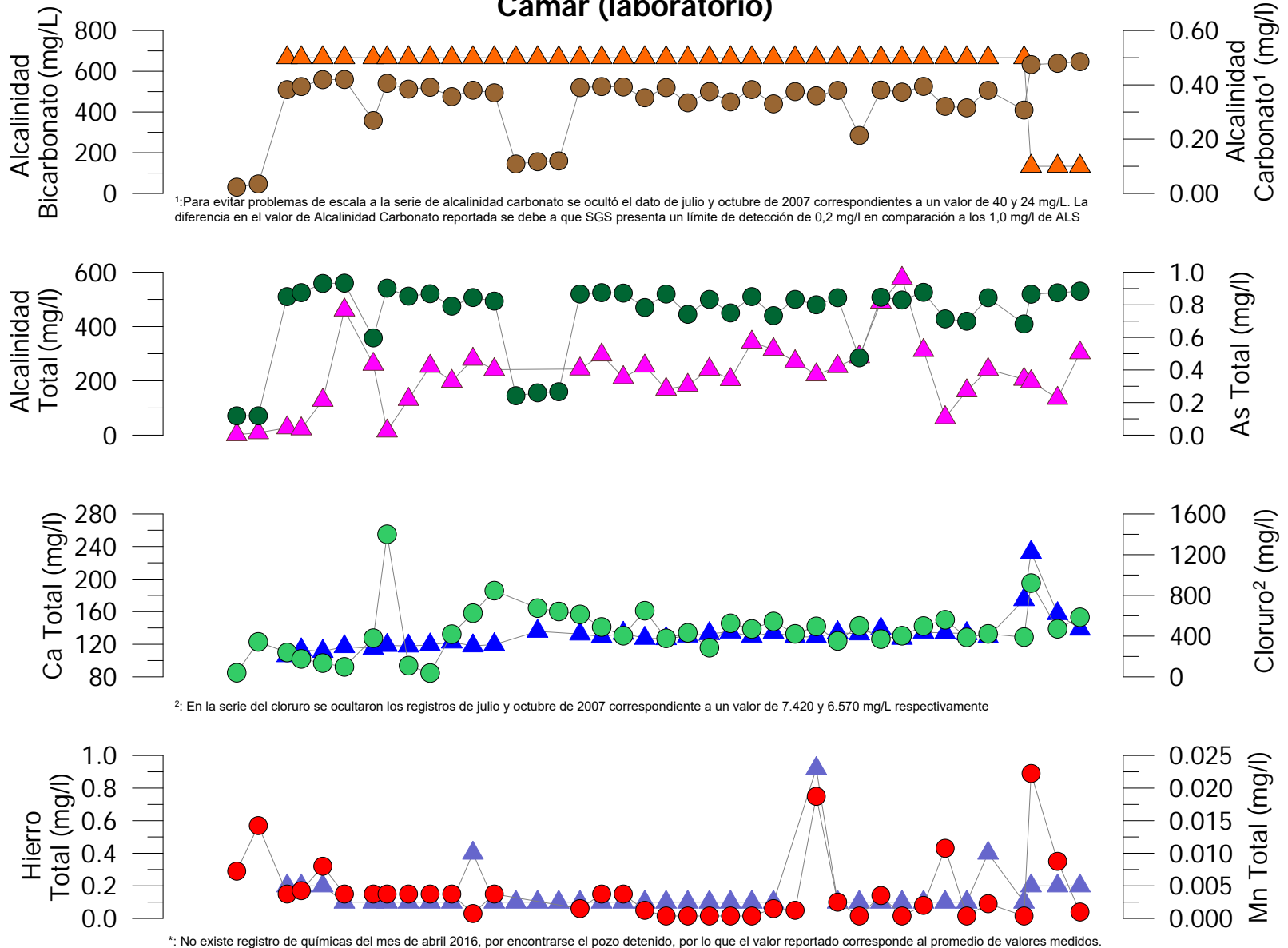
# Allana (laboratorio) Continuación



## Camar\* (terreno)



## Camar (laboratorio)



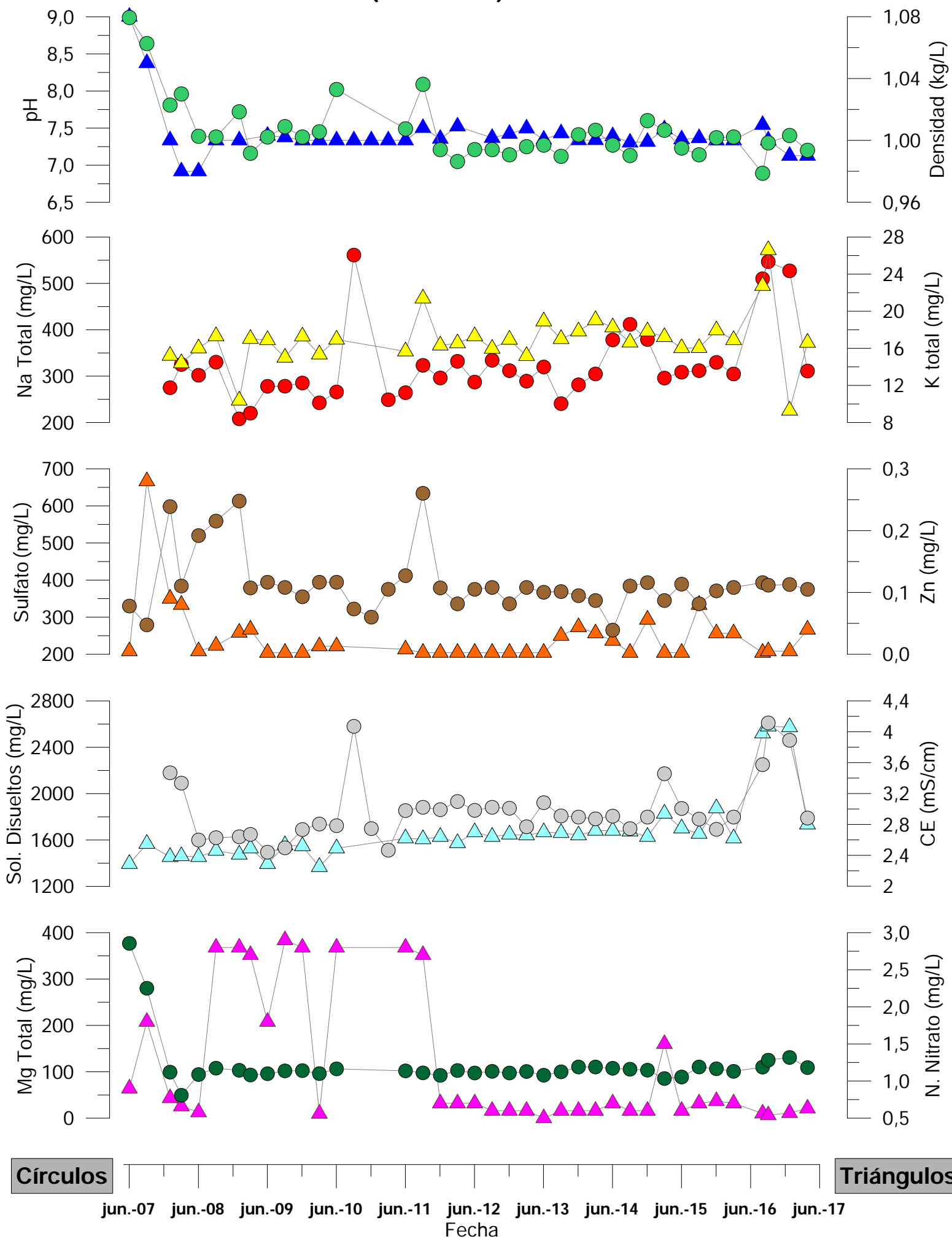
Círculos

Triángulos

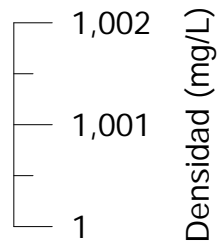
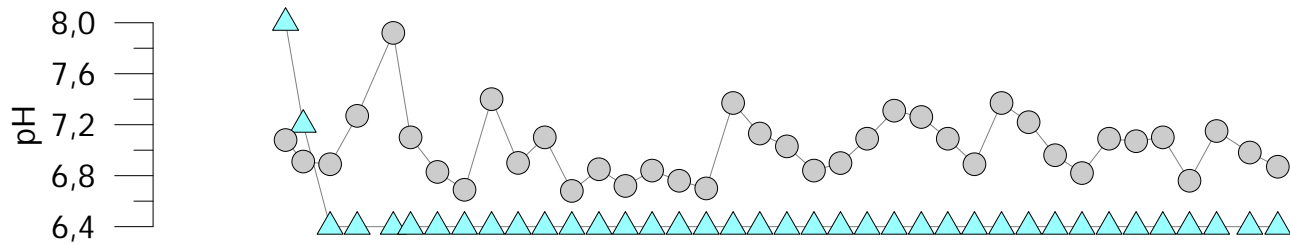
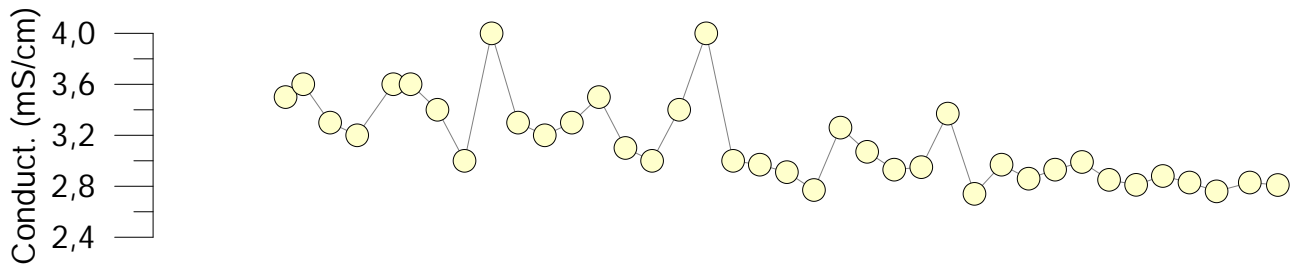
jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17

Fecha

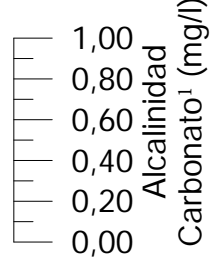
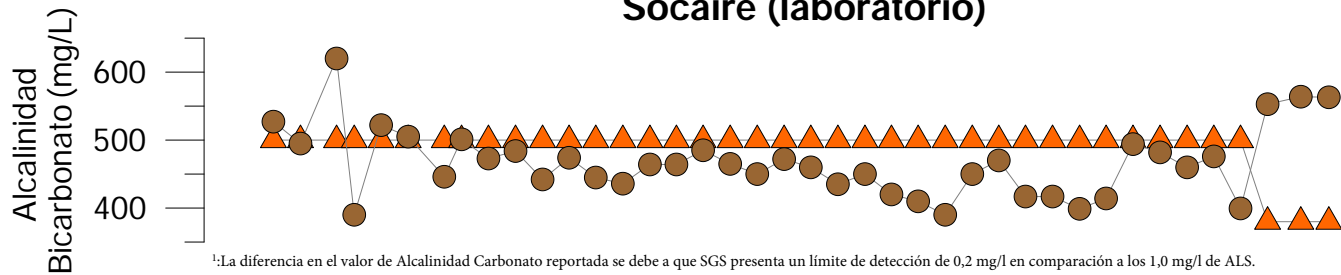
# Camar (laboratorio) Continuación



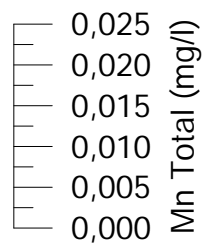
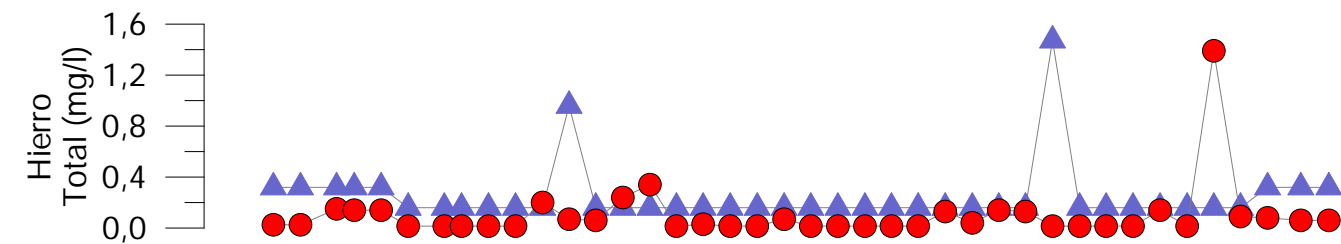
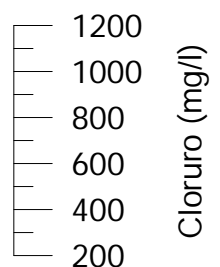
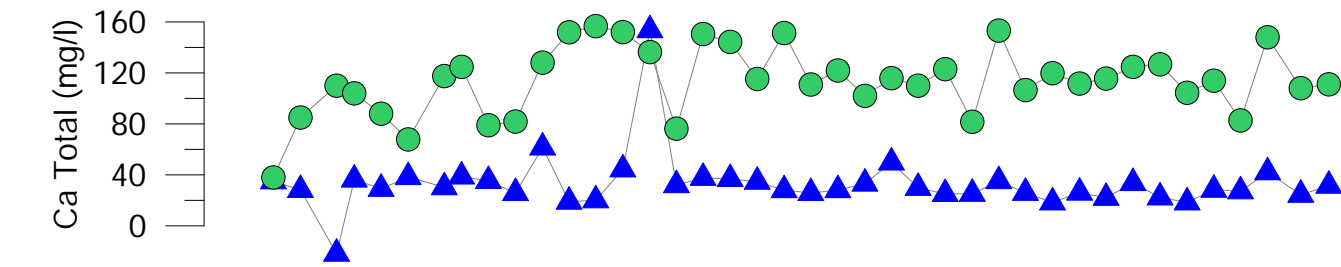
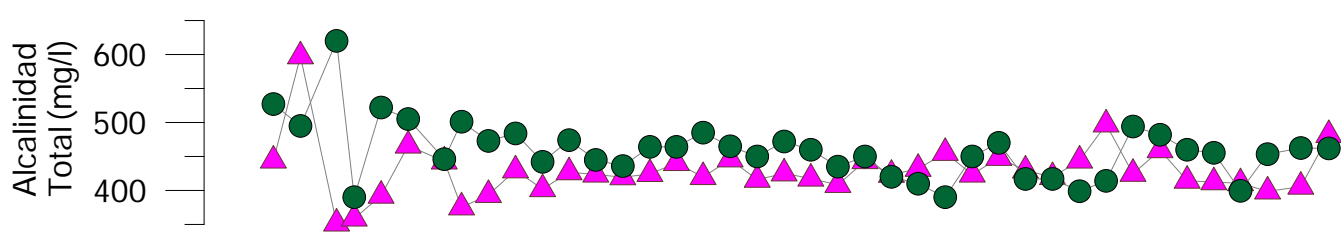
## Socaire (terreno)



## Socaire (laboratorio)



<sup>1</sup>:La diferencia en el valor de Alkalinidad Carbonato reportada se debe a que SGS presenta un límite de detección de 0,2 mg/l en comparación a los 1,0 mg/l de ALS.

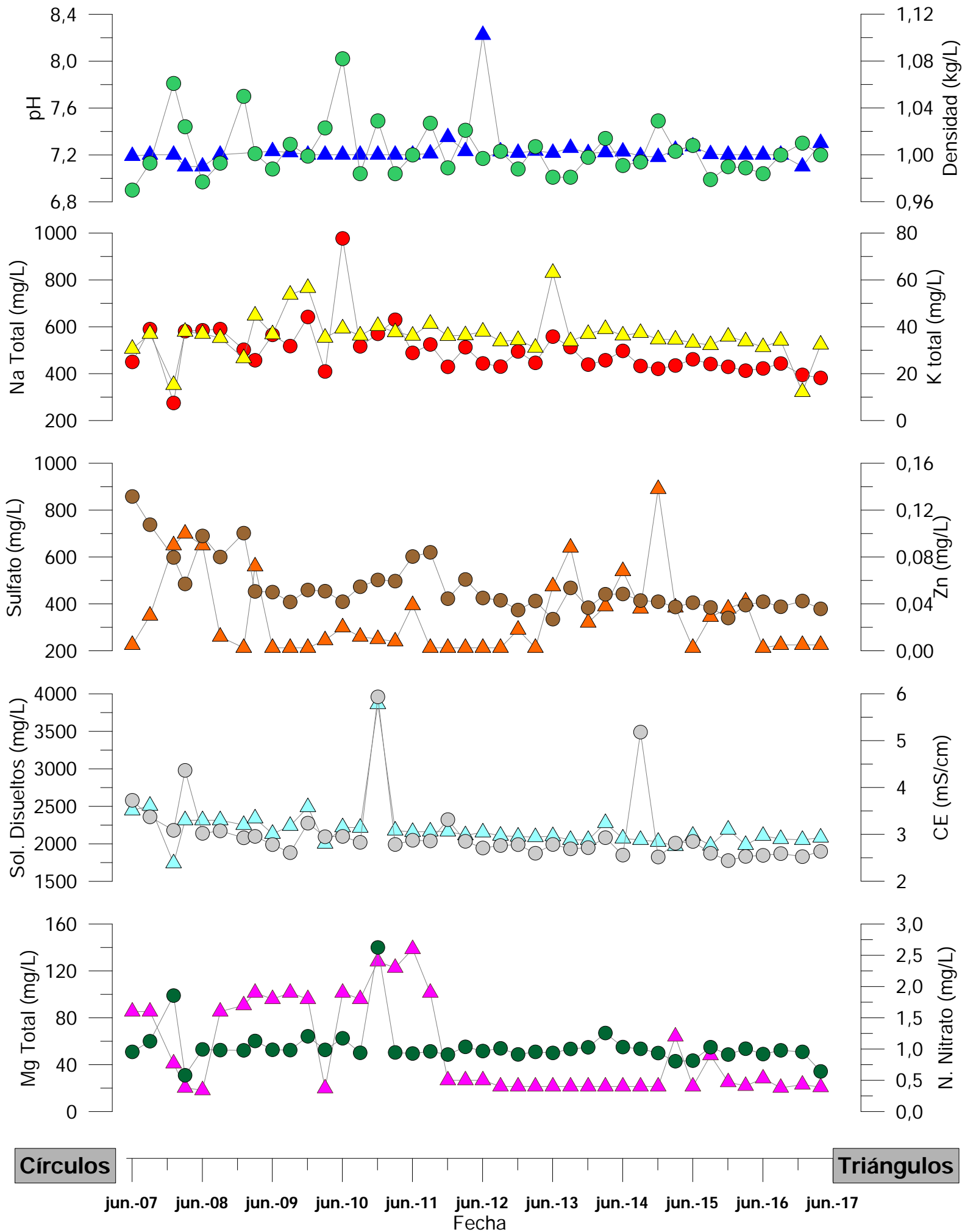


Círculos

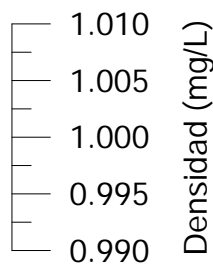
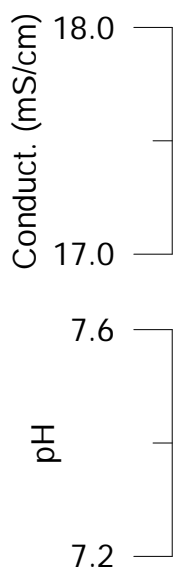
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

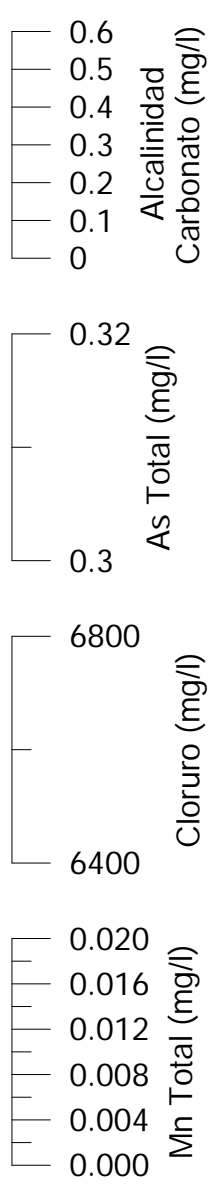
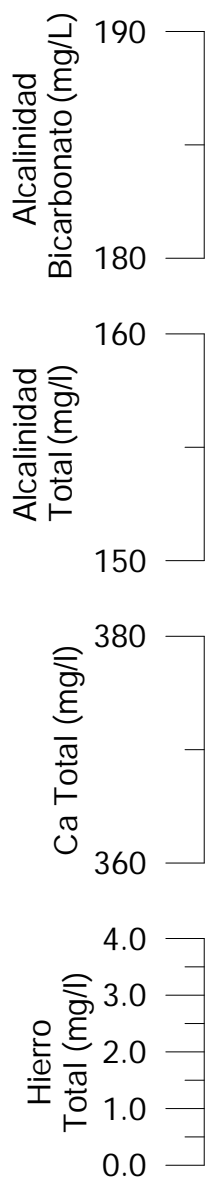
# Socaire (laboratorio) Continuación



# CA-2015 (terreno)



# CA-2015 (laboratorio)

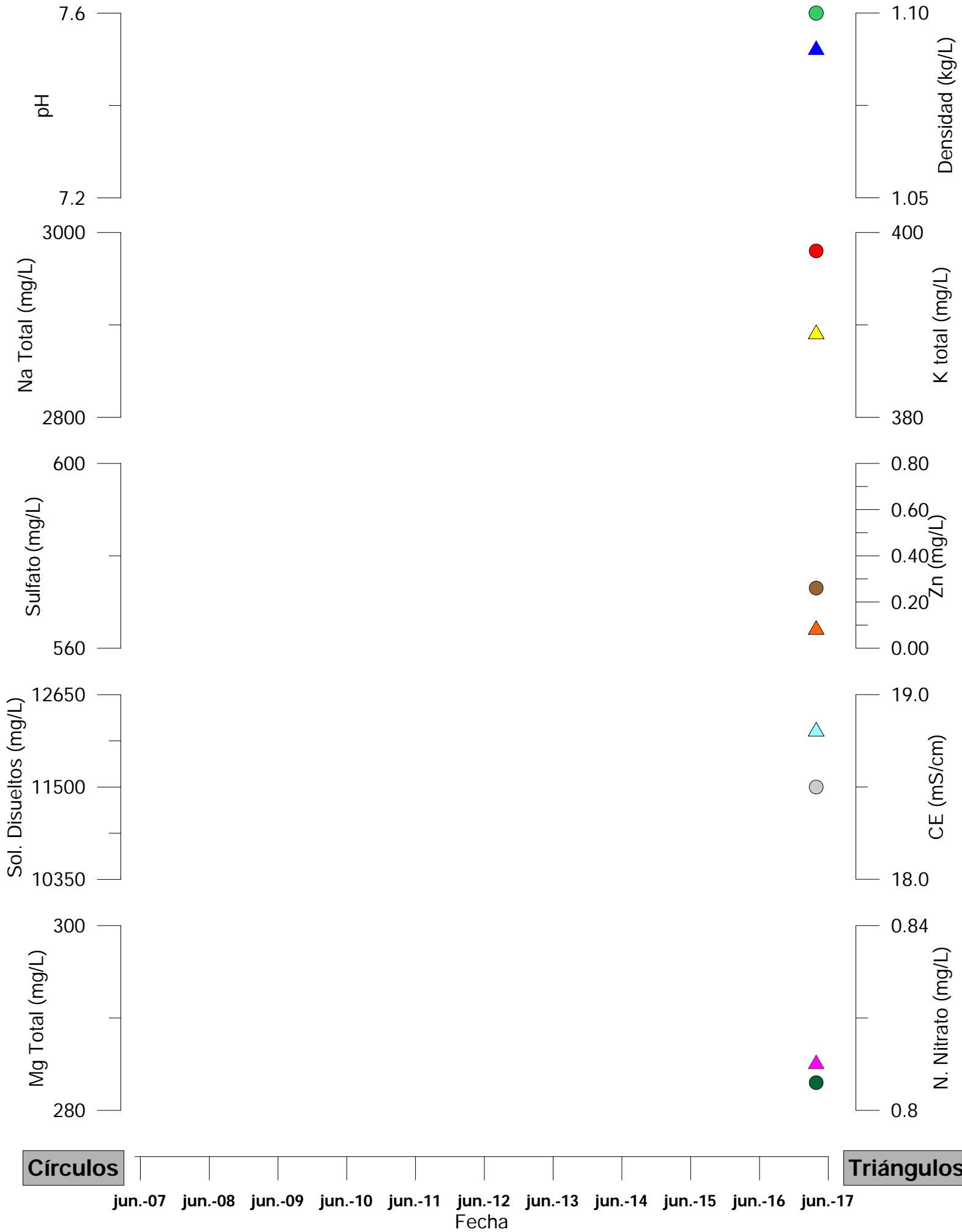


Círculos

Triángulos



CA-2015 (laboratorio) Continuación



## P2 (terreno)

Conduct. (mS/cm)

pH

Densidad (mg/L)

## P2 (laboratorio)

Alcalinidad Bicarbonato (mg/L)

Alcalinidad Carbonato<sup>1</sup> (mg/l)

Alcalinidad Total (mg/l)

As Total (mg/l)

Ca Total (mg/l)

Cloruro (mg/l)

Hierro Total (mg/l)

Mn Total (mg/l)

Círculos

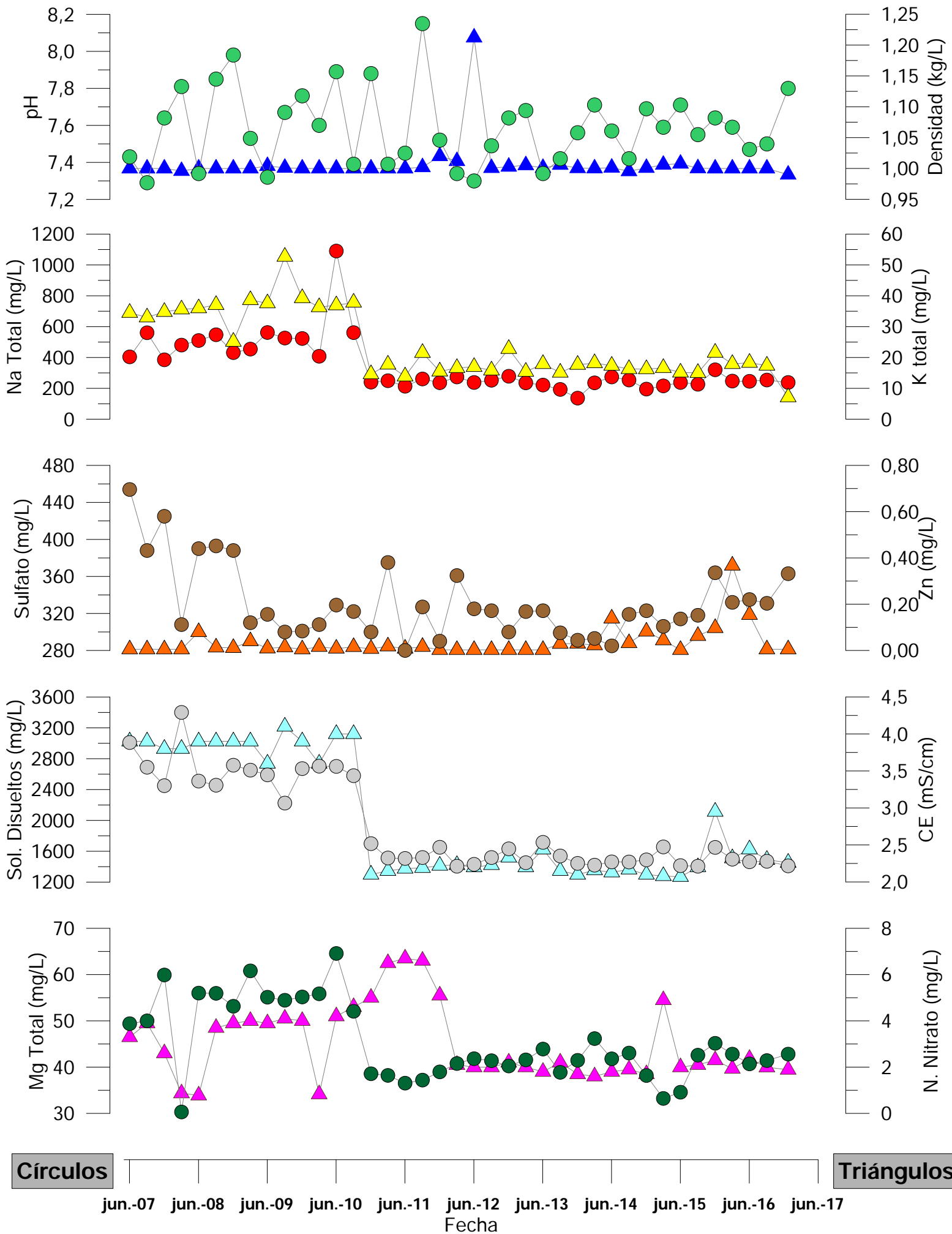
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

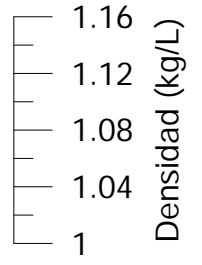
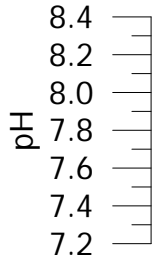
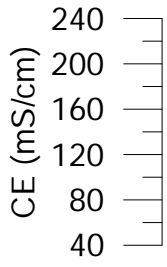
<sup>1</sup>: La diferencia en el valor de Alcalinidad Carbonato reportada se debe a que SGS presenta un límite de detección de 0,2 mg/l en comparación a los 1,0 mg/l de ALS.



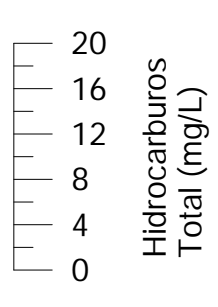
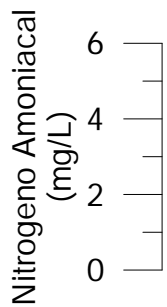
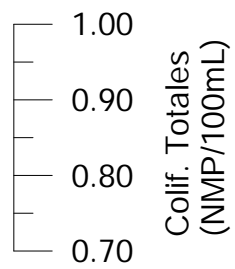
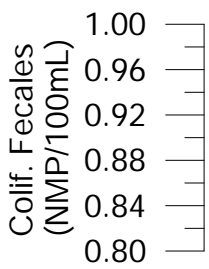
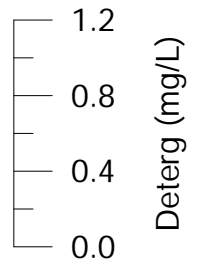
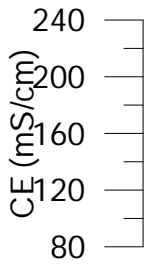
## P2 (laboratorio) Continuación



## Chaxa (terreno)



## Chaxa (laboratorio)

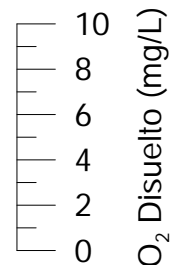
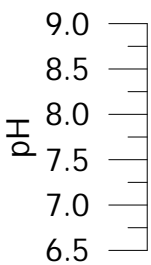
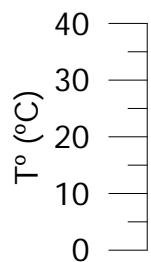


Círculos

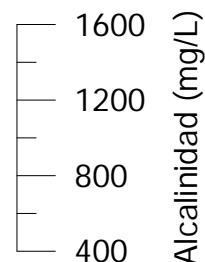
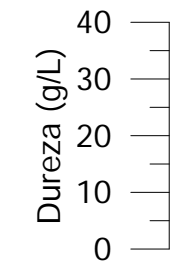
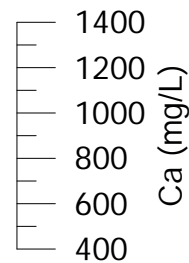
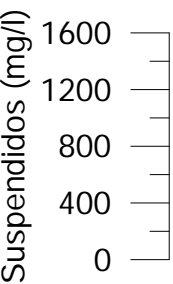
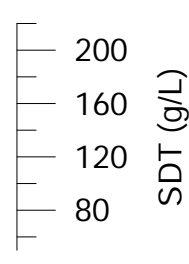
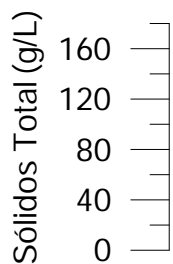
Triángulos

jun.-06 jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## Chaxa Conaf (terreno)



## Chaxa Conaf (laboratorio)

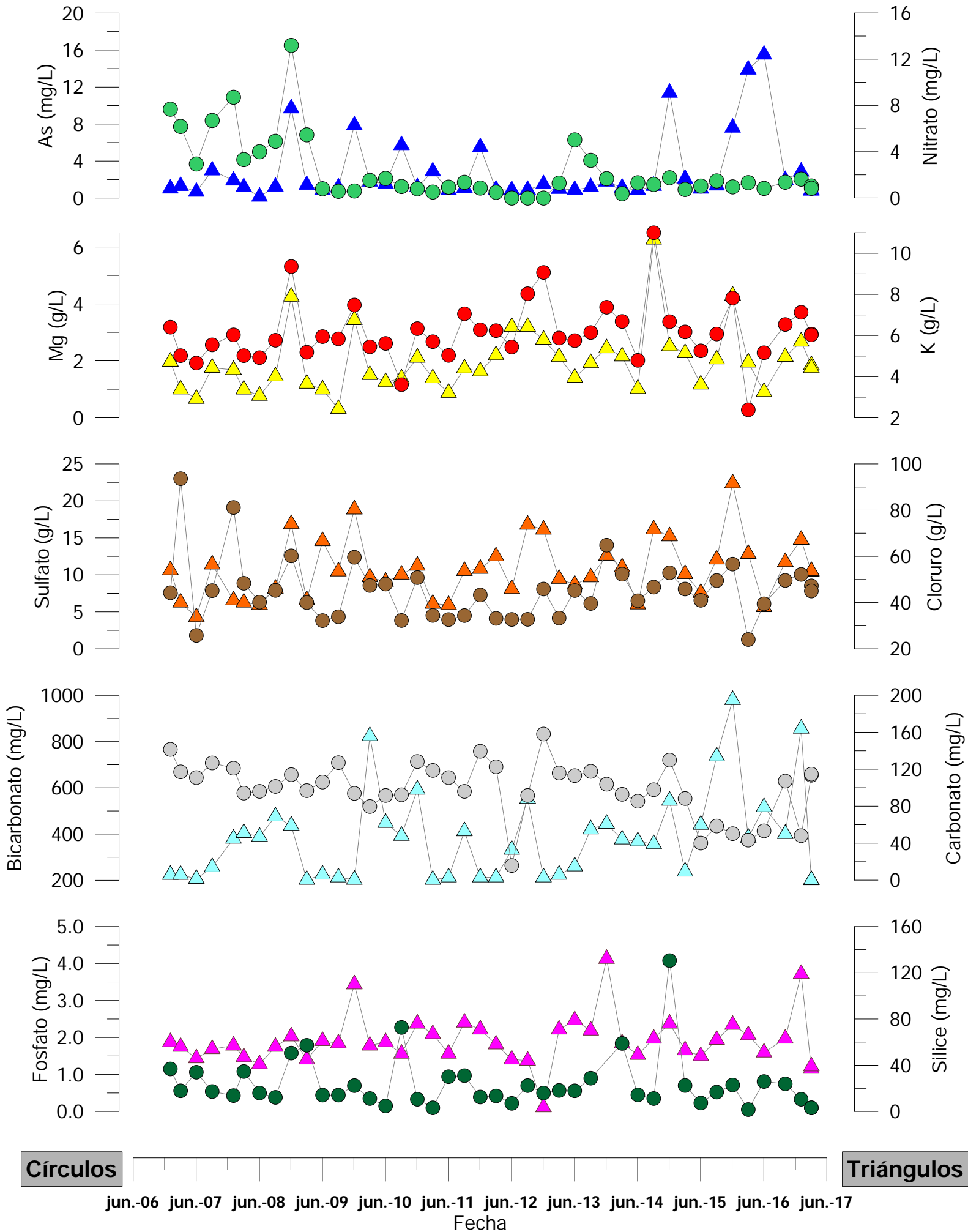


**Círculos**

**Triángulos**

jun.-06 jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

# Chaxa Conaf (laboratorio) Continuación

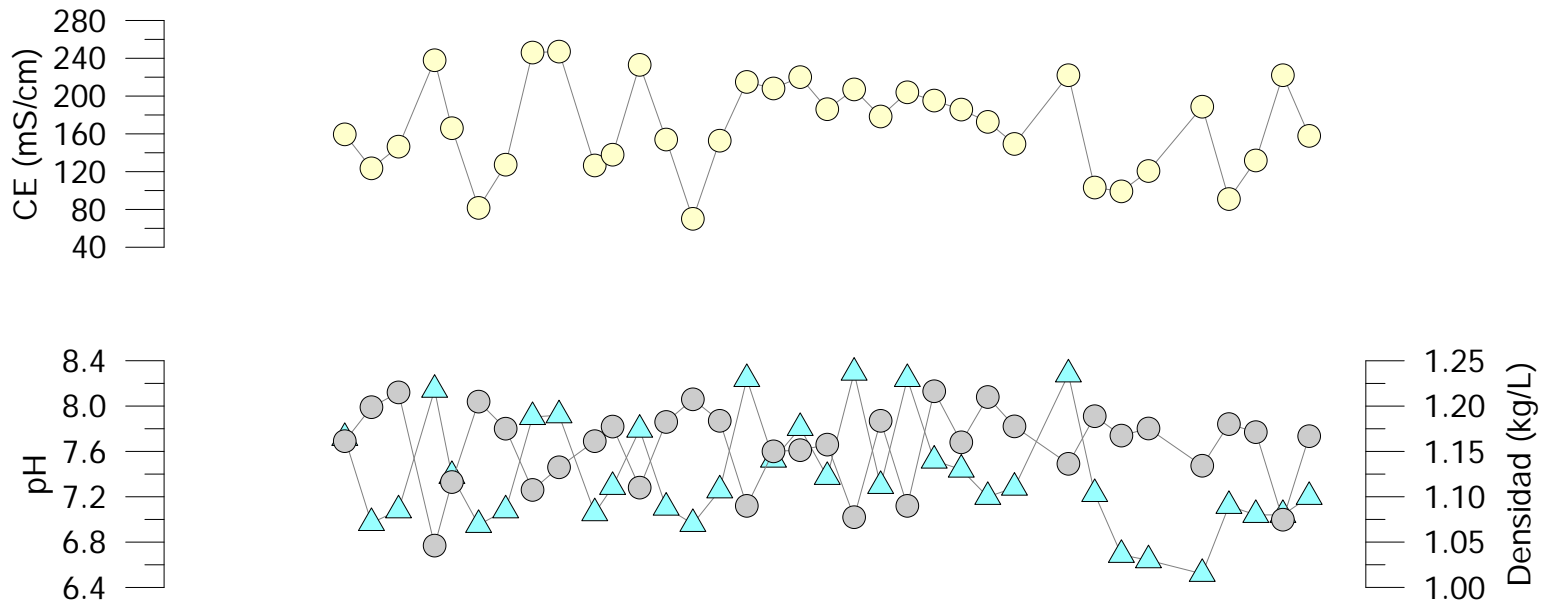


## Barros Negros (terreno)

CE (mS/cm)

pH

Densidad (kg/L)



## Barros Negros (laboratorio)

CE (mS/cm)

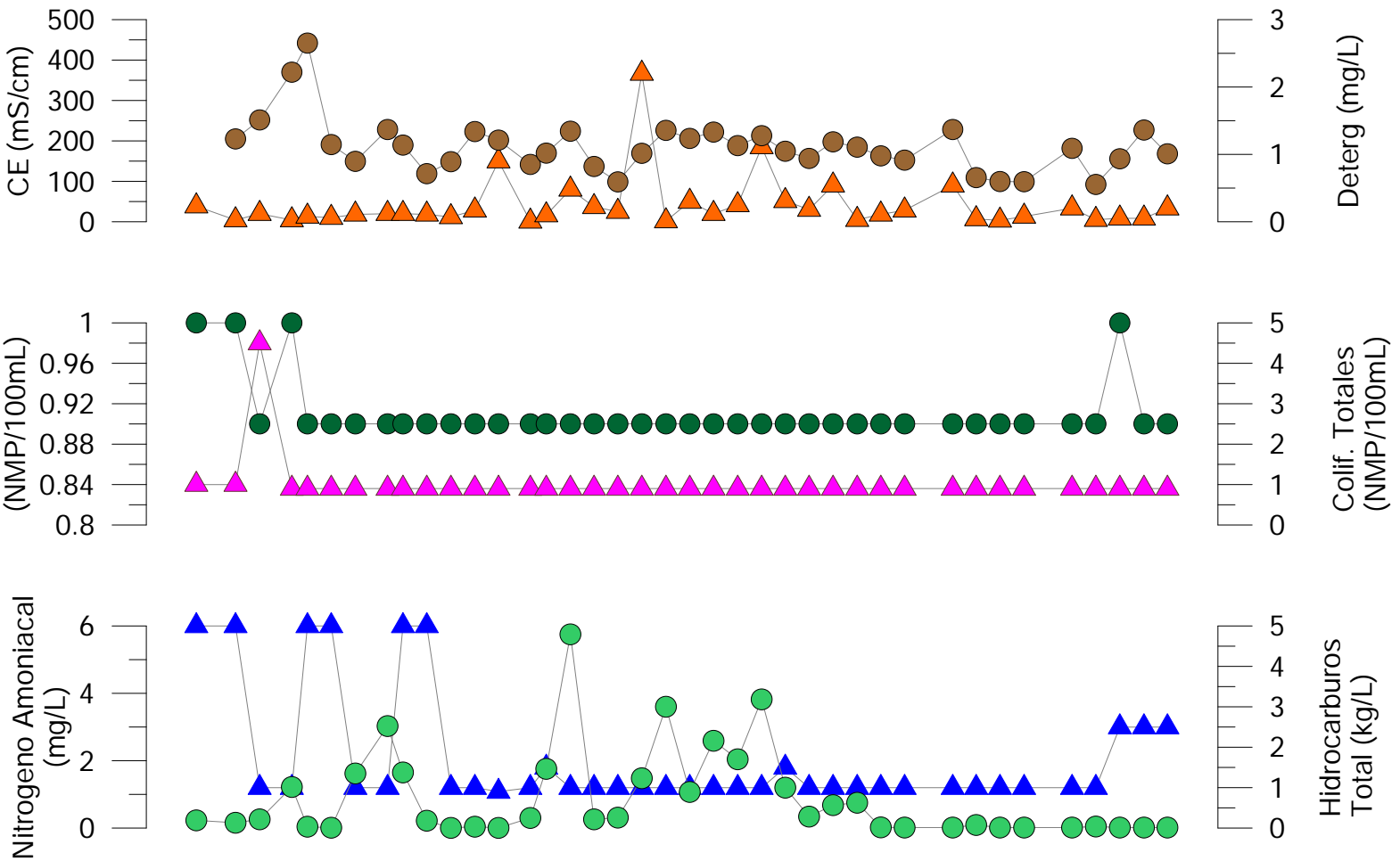
Deterg (mg/L)

Colif. Fecales  
(NMP/100mL)

Colif. Totales  
(NMP/100mL)

Nitrogeno Amoniacal  
(mg/L)

Hidrocarburos  
Total (kg/L)

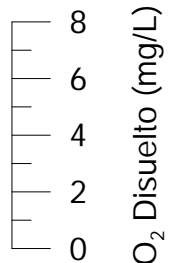
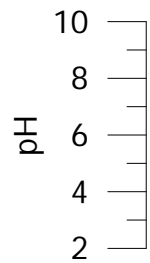
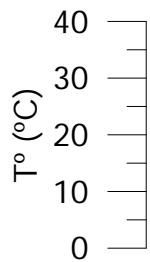


Círculos

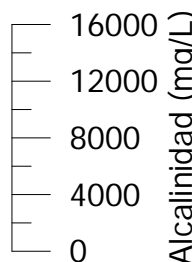
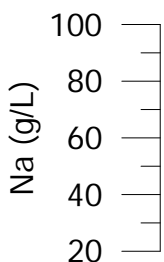
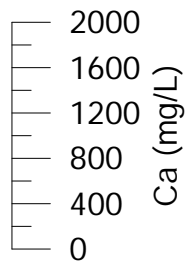
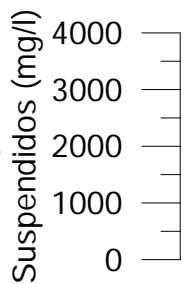
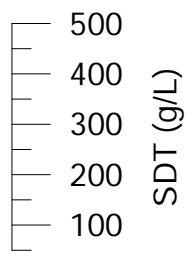
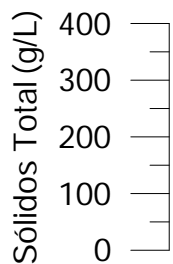
Triángulos

jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17  
Fecha

## Barros Negros Conaf (terreno)



## Barros Negros Conaf (laboratorio)



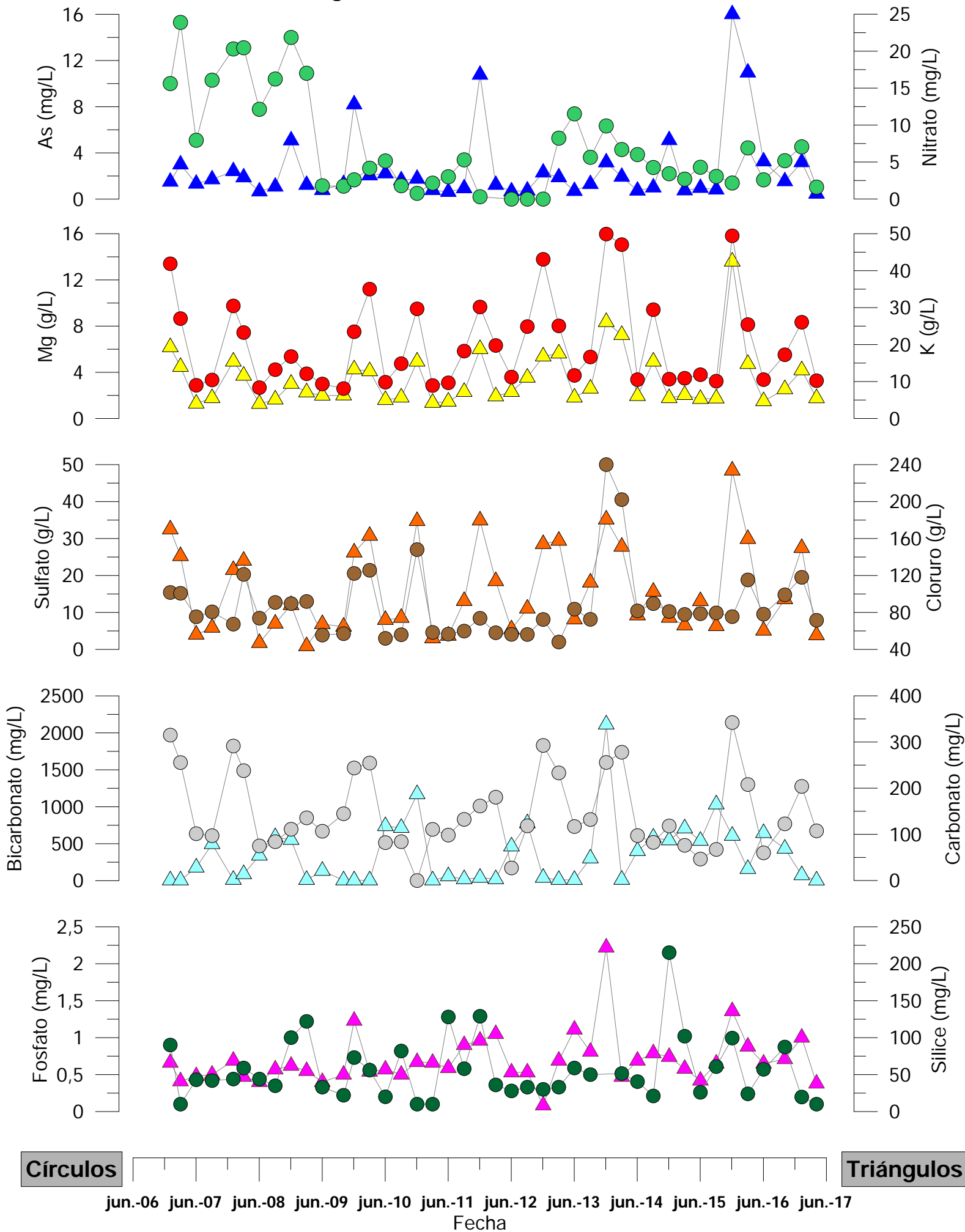
Círculos

Triángulos

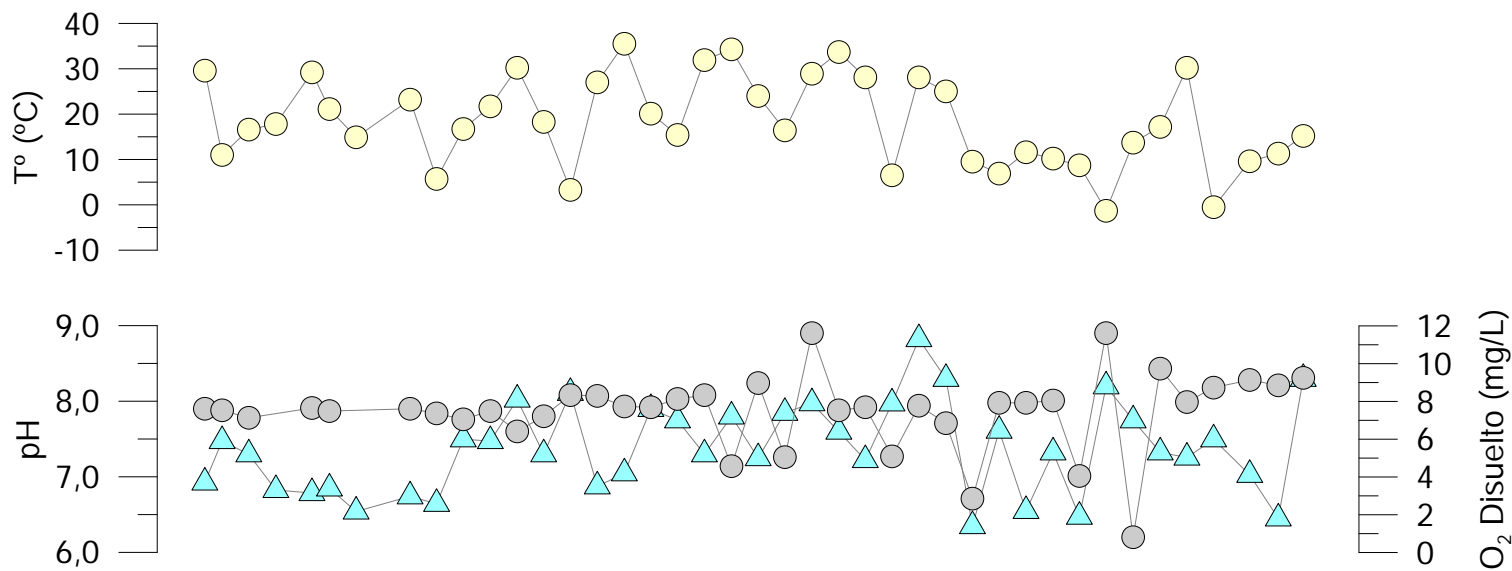
jun.-06 jun.-07 jun.-08 jun.-09 jun.-10 jun.-11 jun.-12 jun.-13 jun.-14 jun.-15 jun.-16 jun.-17

Fecha

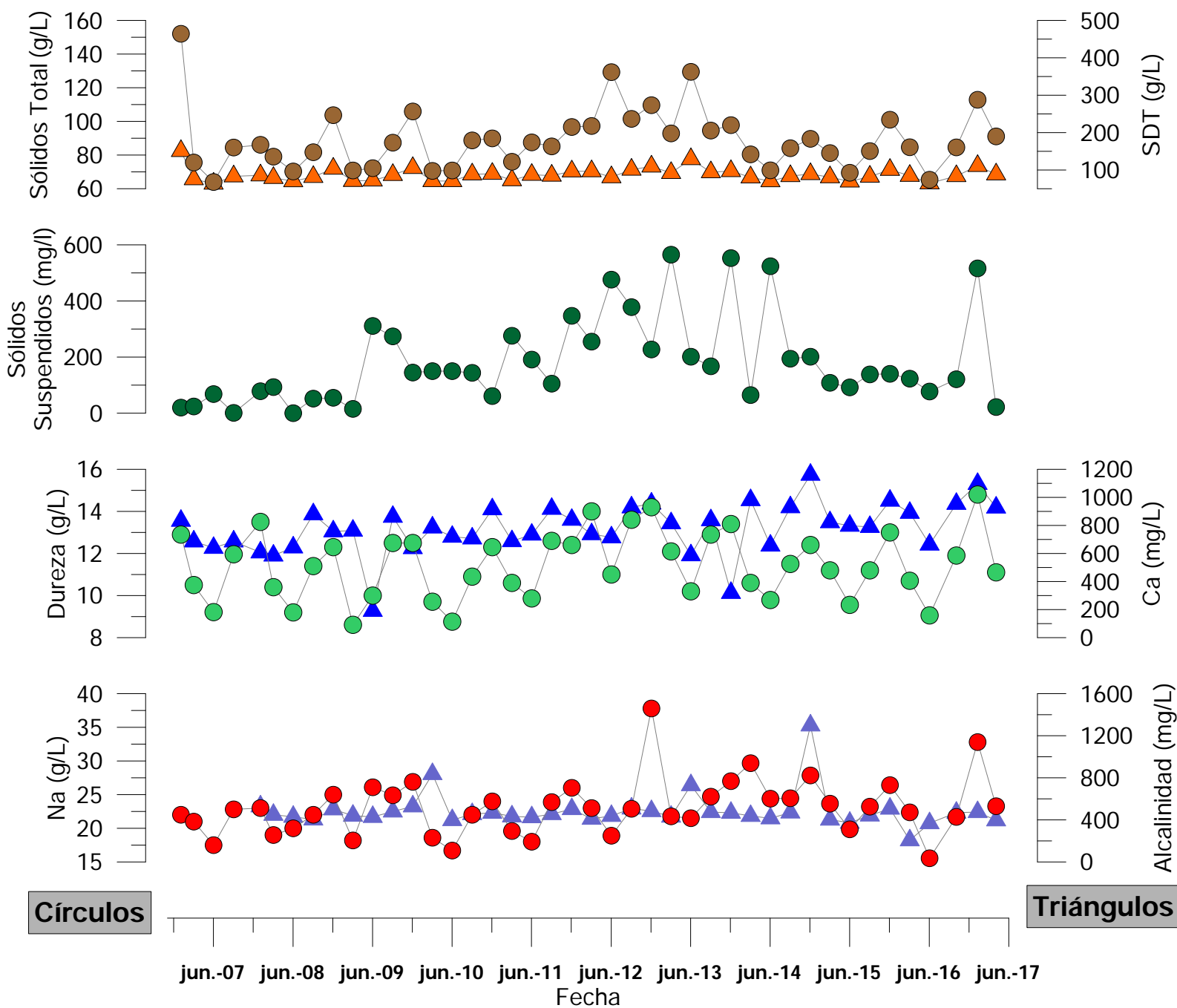
# Barros Negros Conaf (laboratorio) Continuación



## Burro Muerto Conaf (terreno)

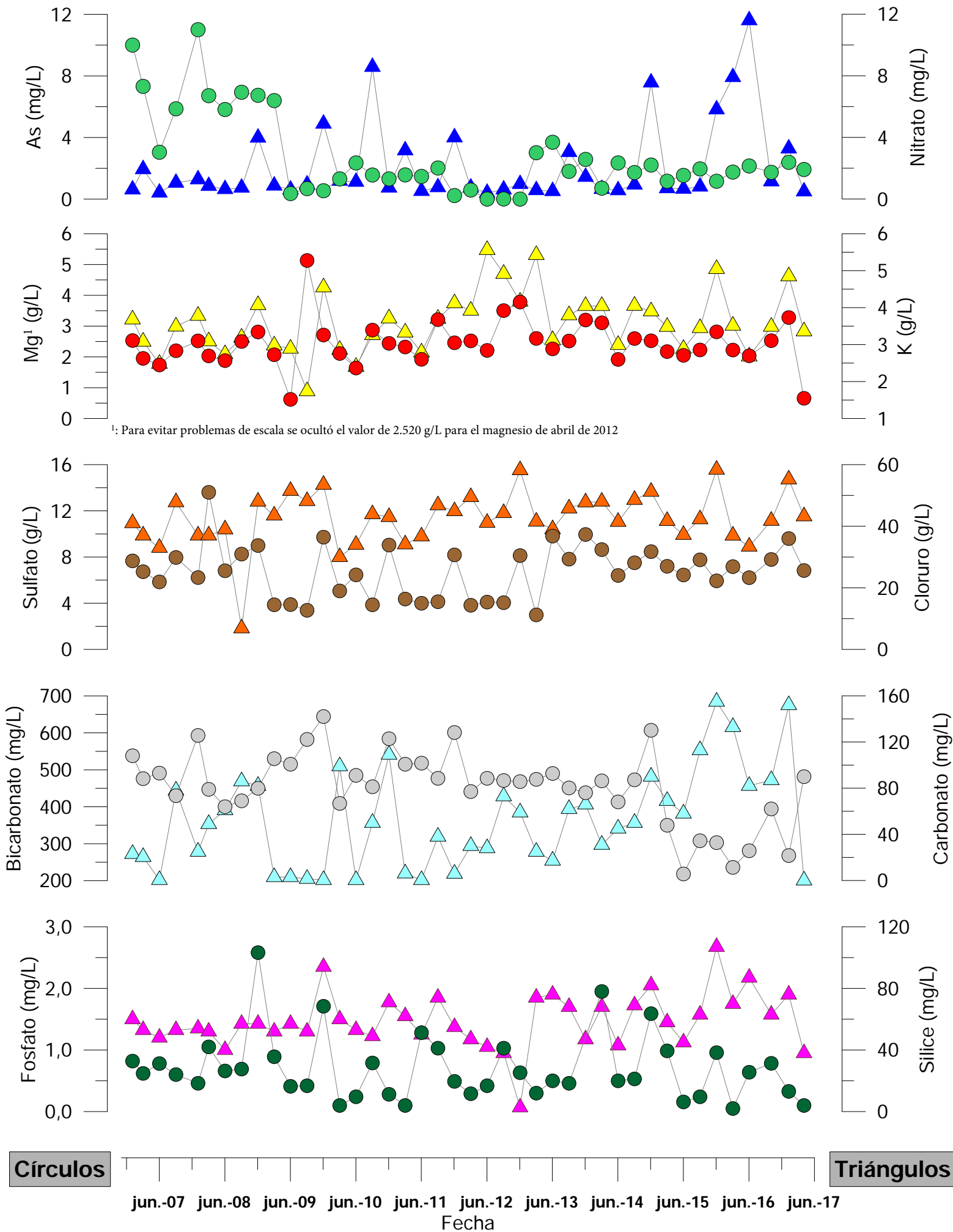


## Burro Muerto Conaf (laboratorio)

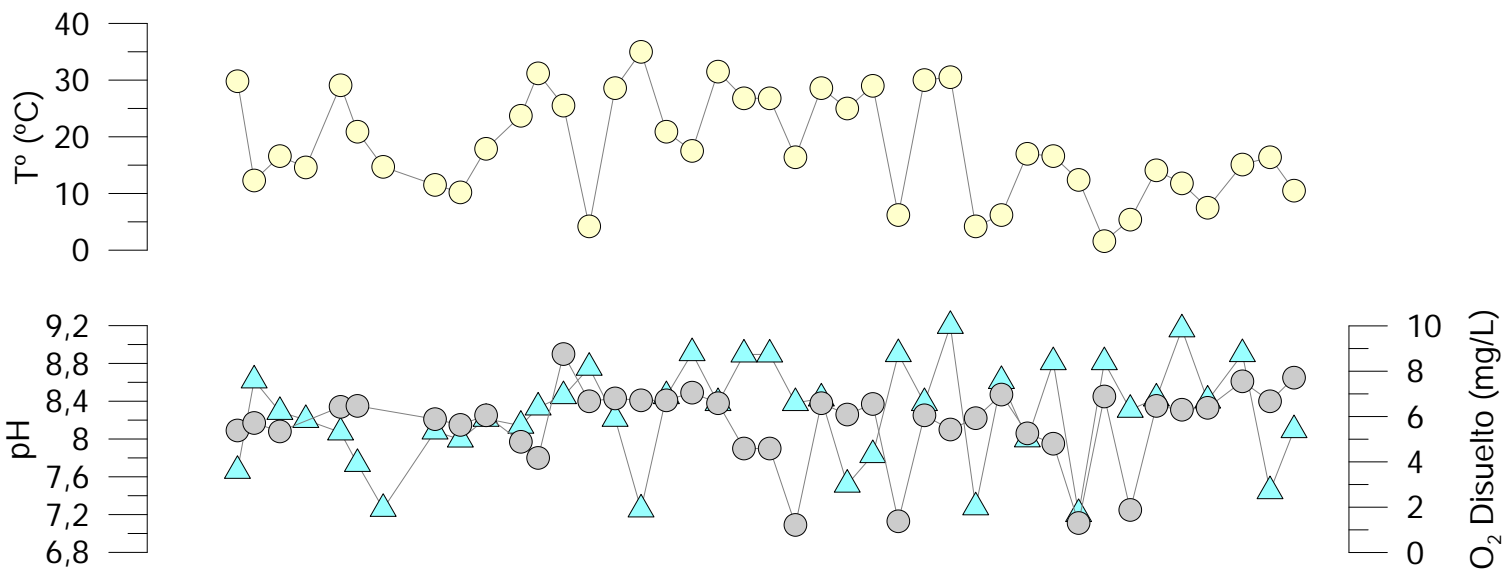




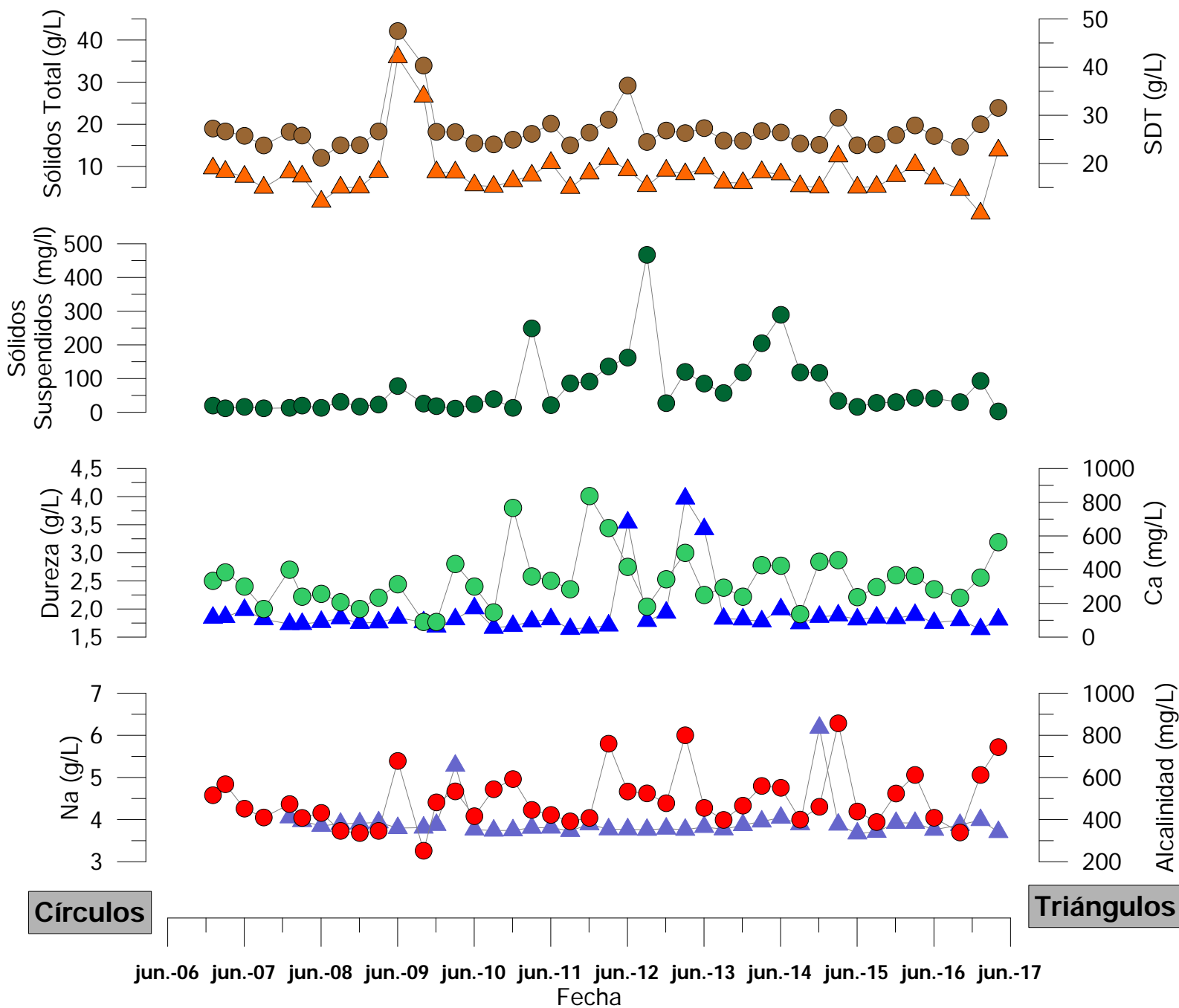
# Burro Muerto Conaf (laboratorio) Continuación



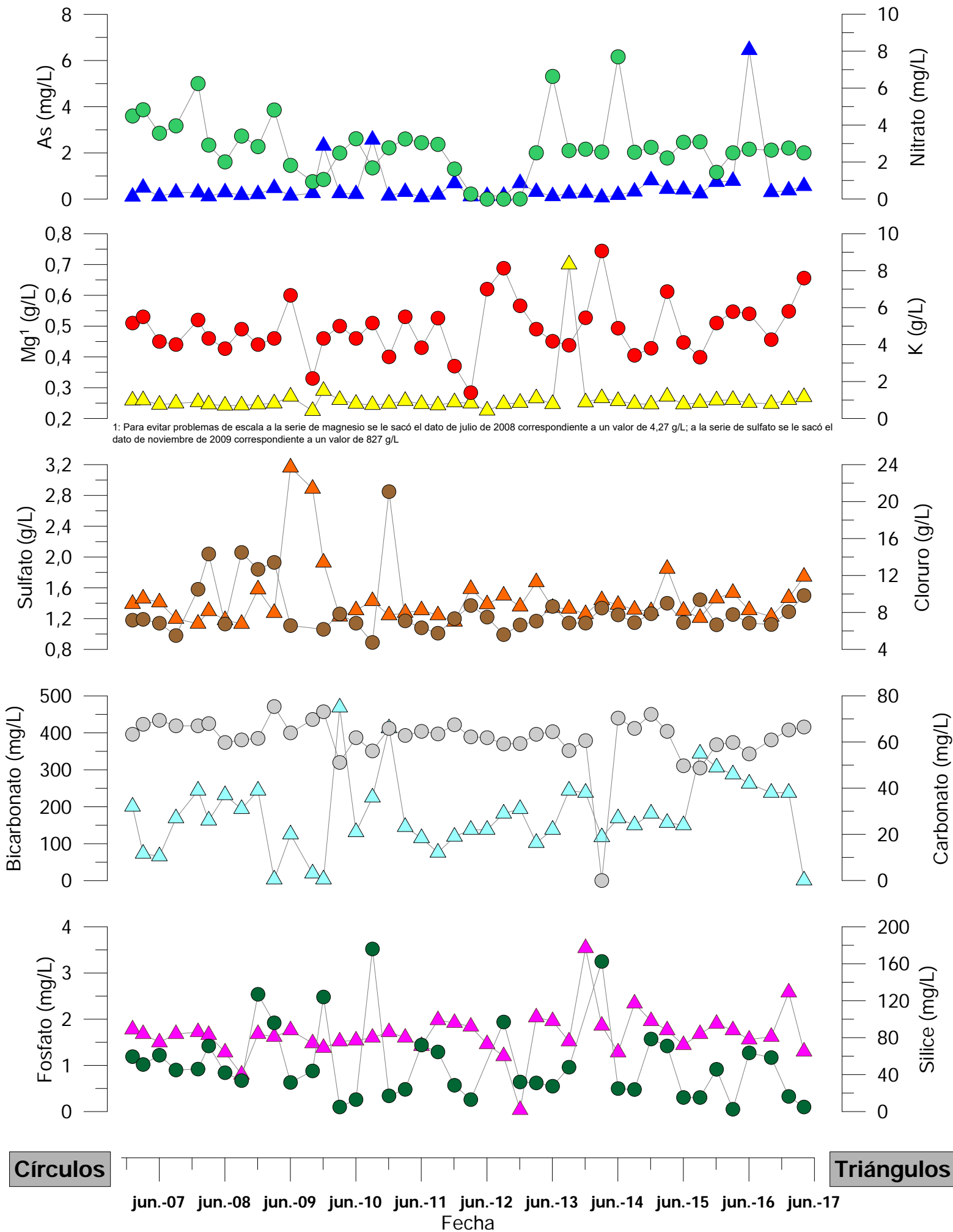
## Puilar Conaf (terreno)



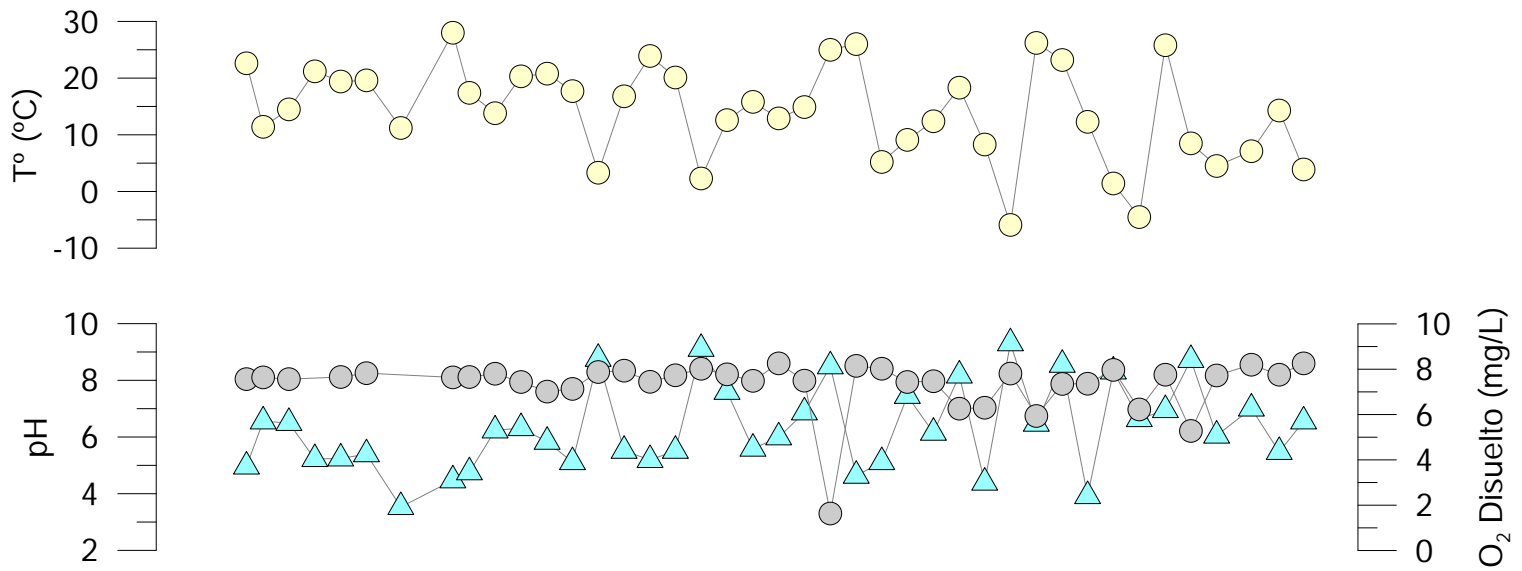
## Puilar Conaf (laboratorio)



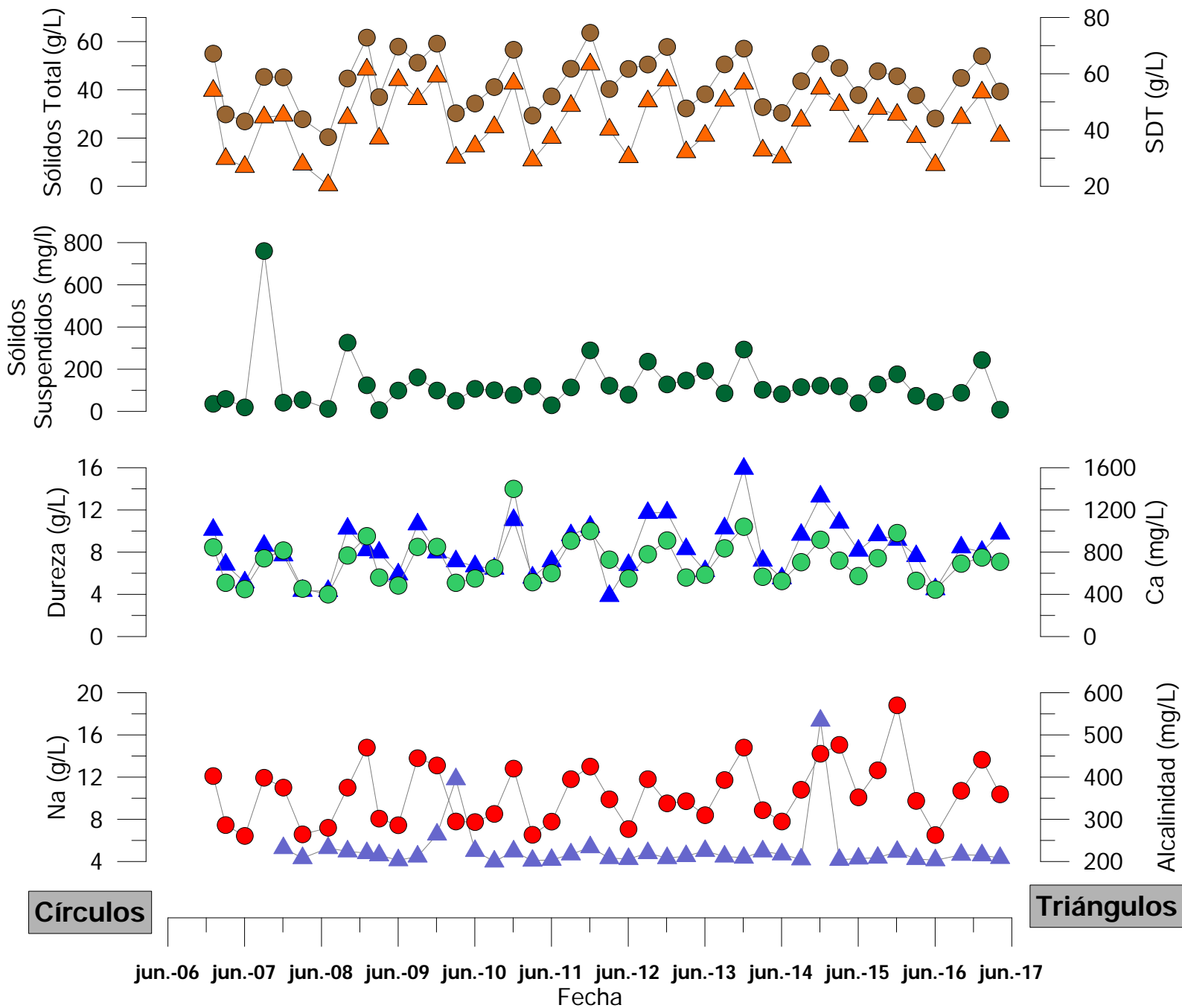
# Puilar Conaf (laboratorio) Continuación



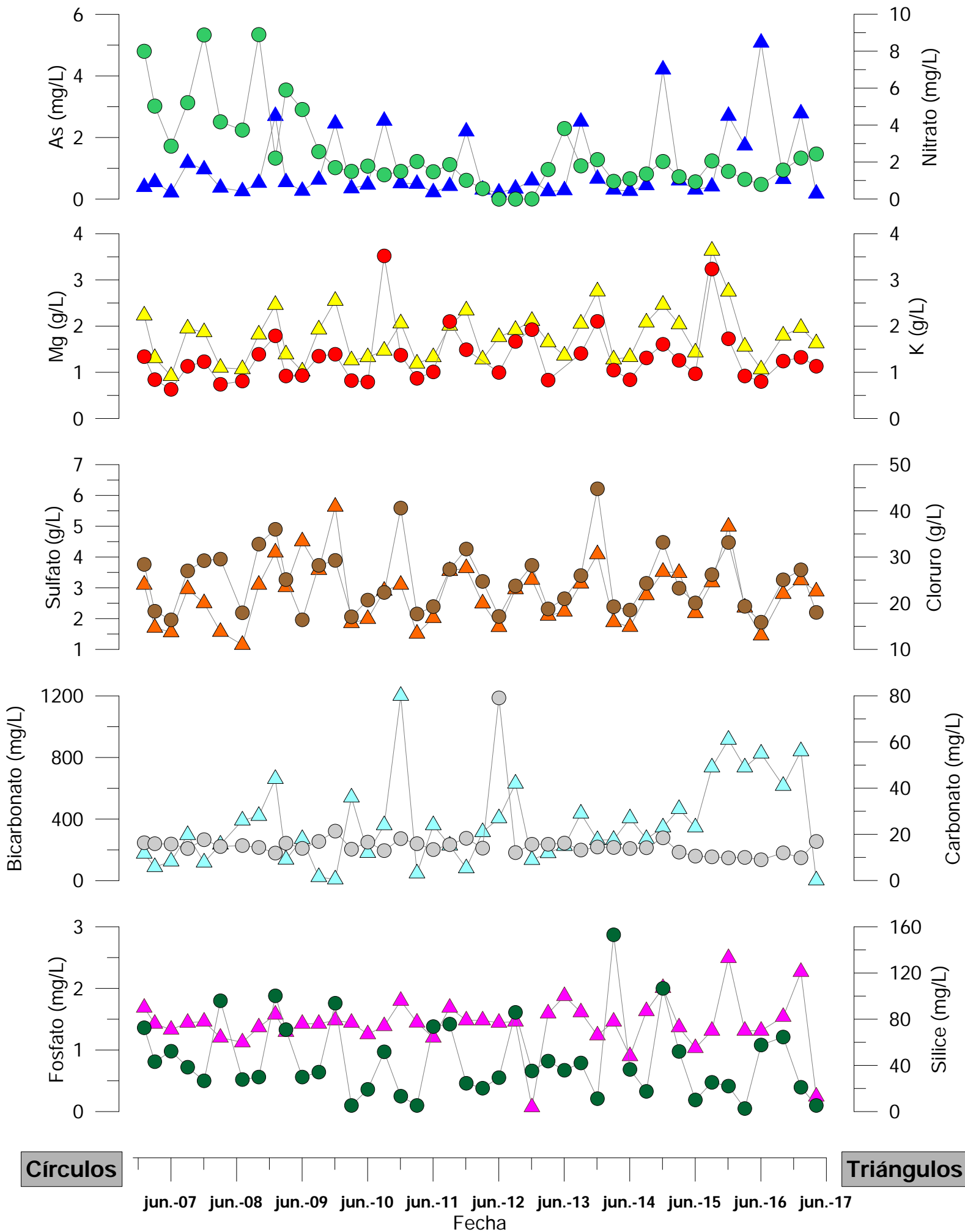
## Interna Conaf (terreno)



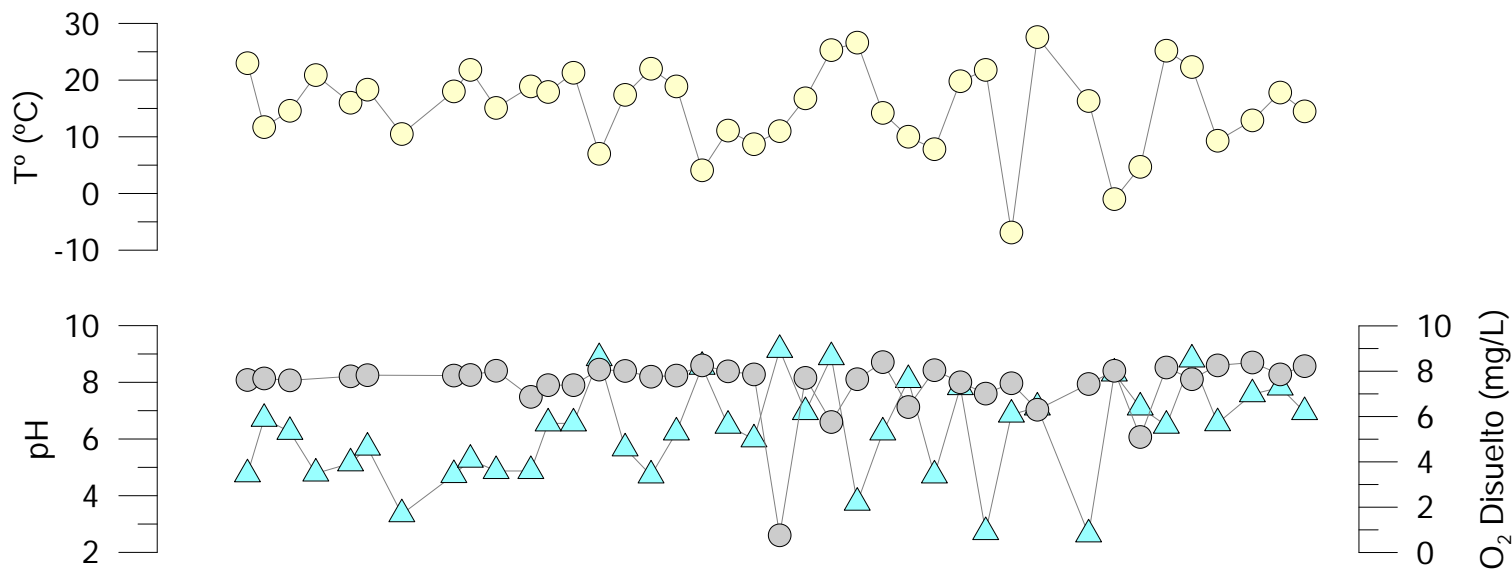
## Interna Conaf (laboratorio)



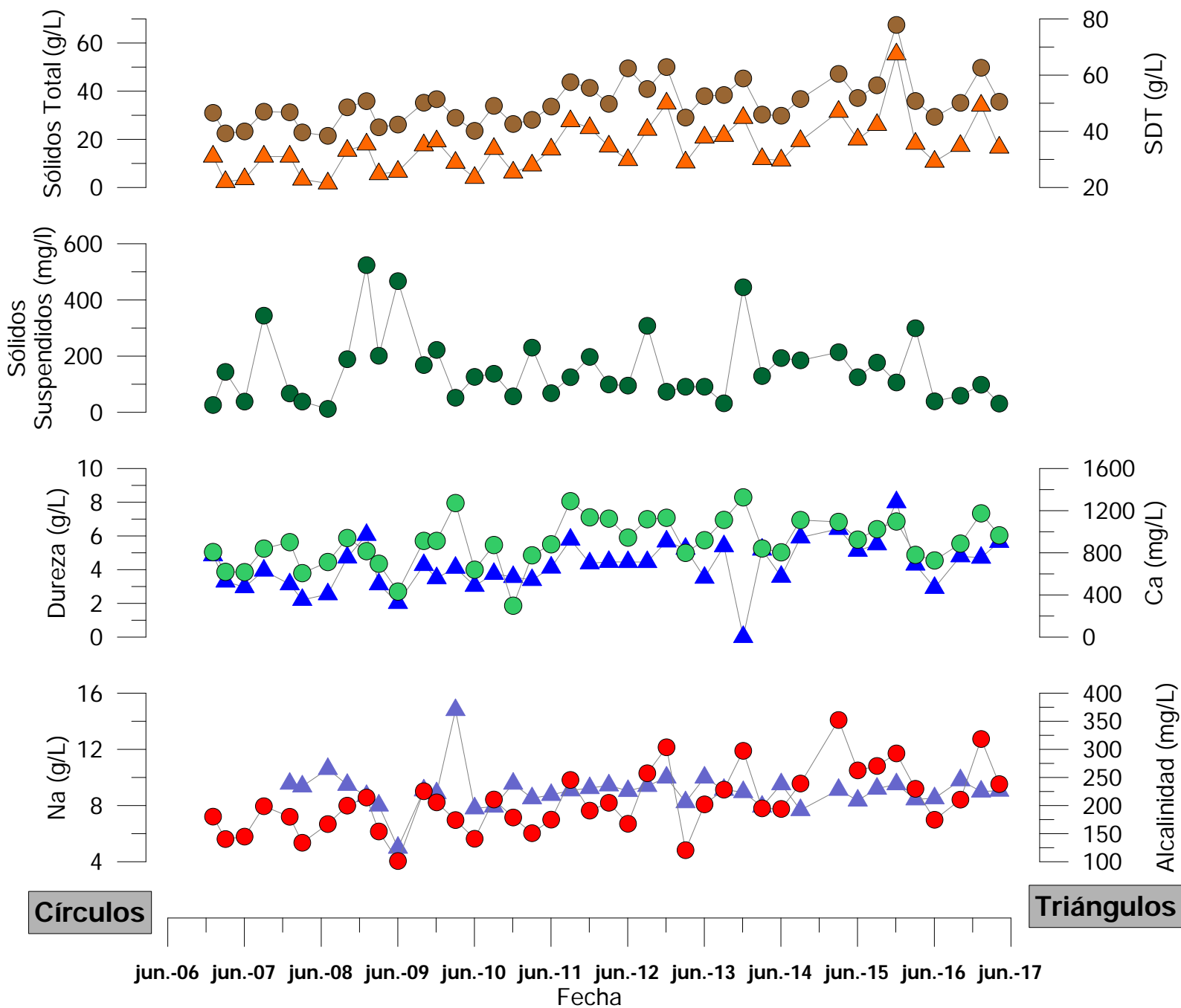
# Interna Conaf (laboratorio) Continuación



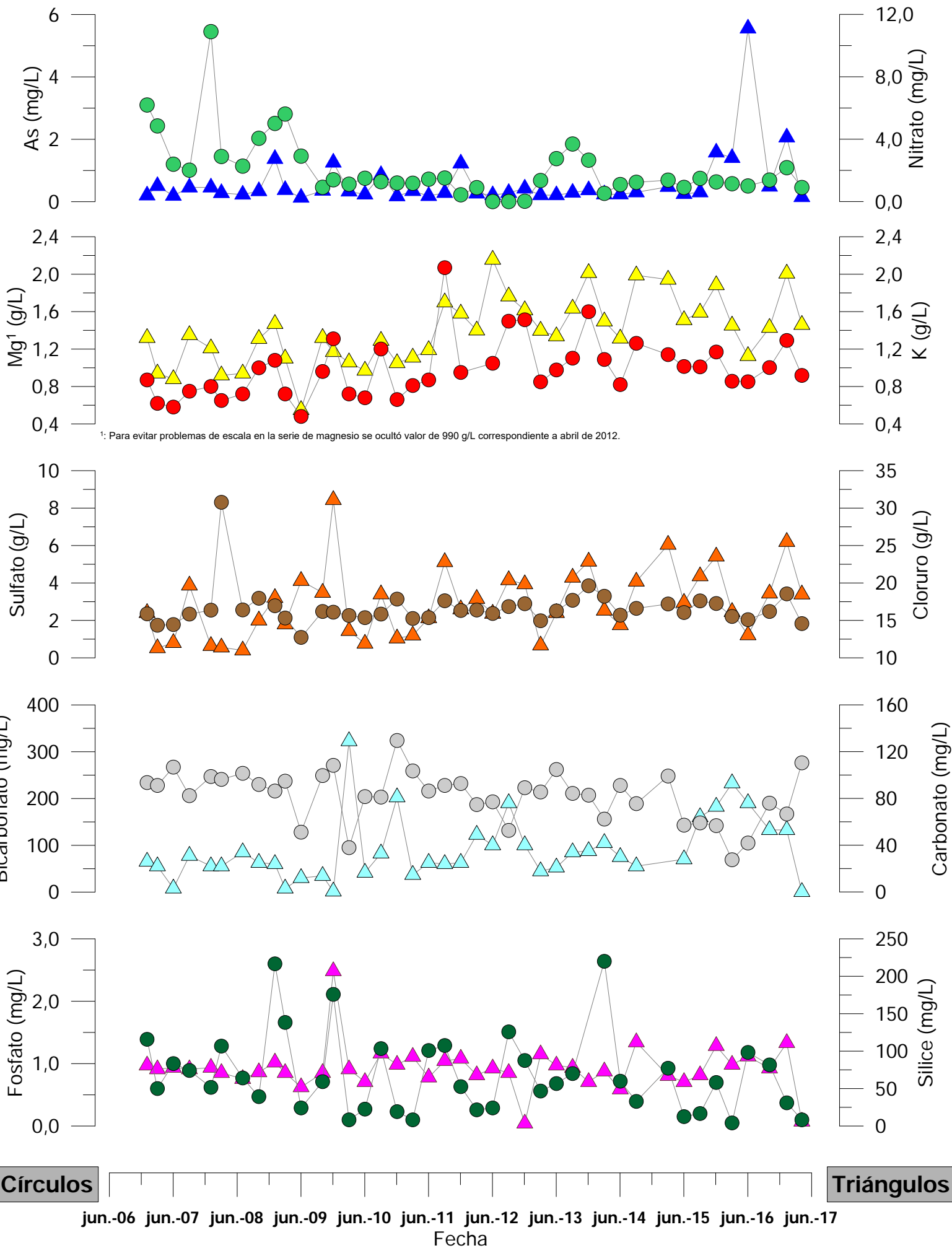
## Salada Conaf (terreno)



## Salada Conaf (laboratorio)

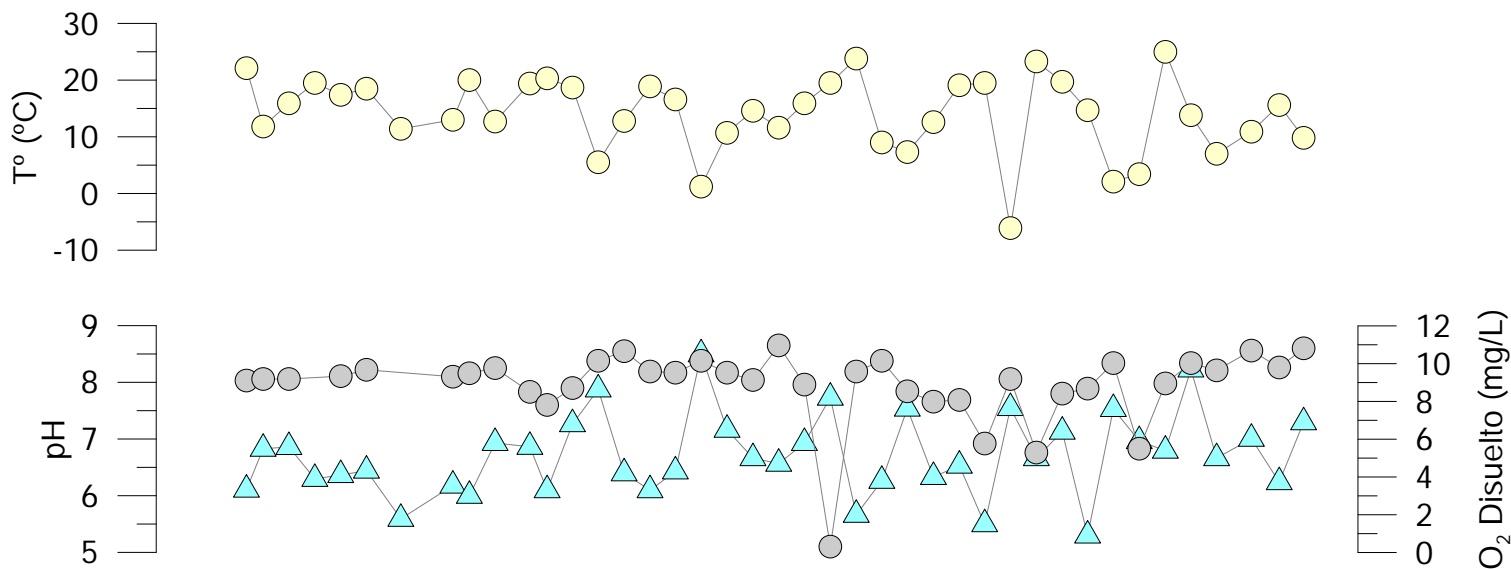


# Salada Conaf (laboratorio) Continuación

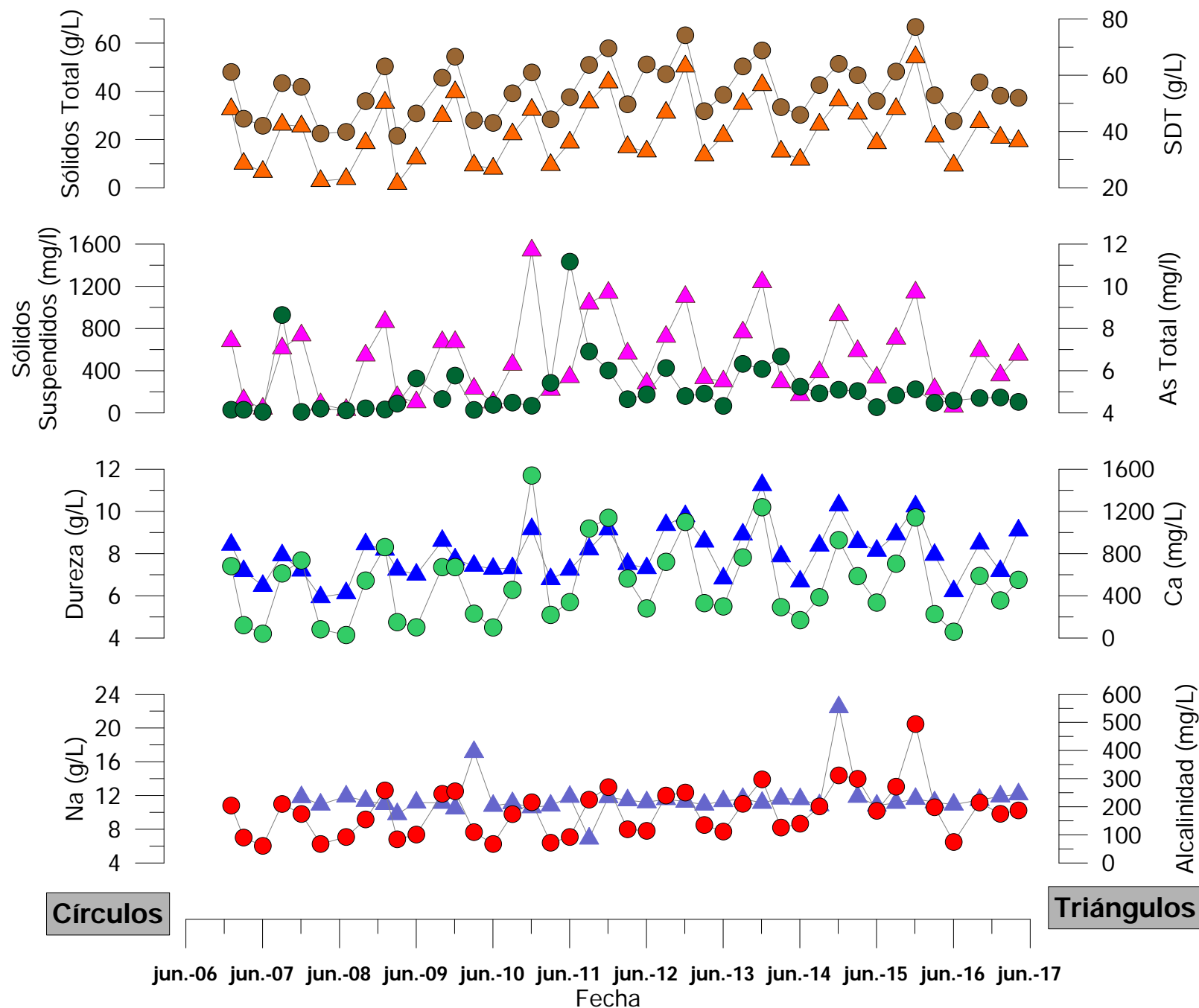




## Saladita Conaf (terreno)



## Saladita Conaf (laboratorio)





# Saladita Conaf (laboratorio) Continuación

