

# November 2020 SBO Signatures

#### Sentinel 2A November 11, 2020

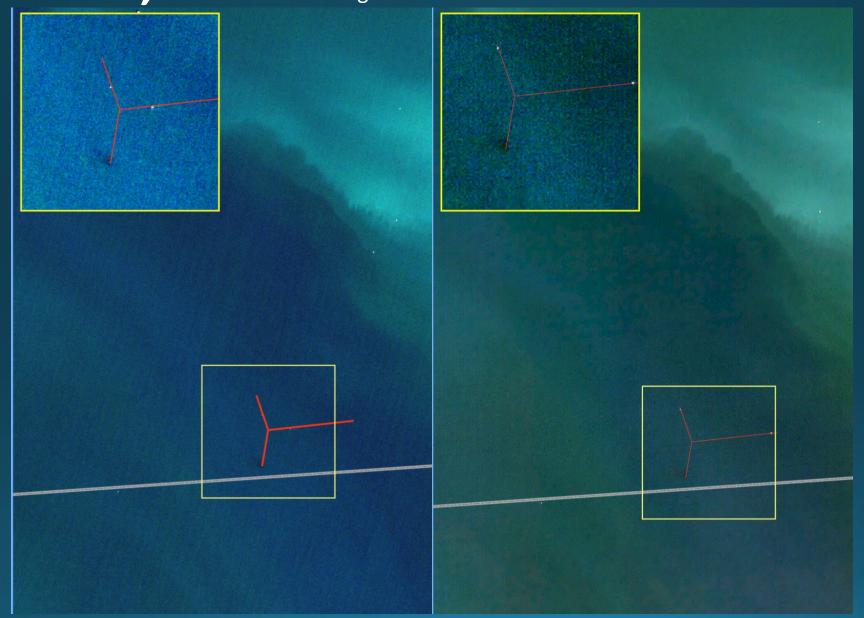
The first sighting for this time series, a signature was detected in the Sentinel 2A image coming from the South Bay Outfall wye.

Acquisition time: 10:26:21 AM PST



### November 29, 2020

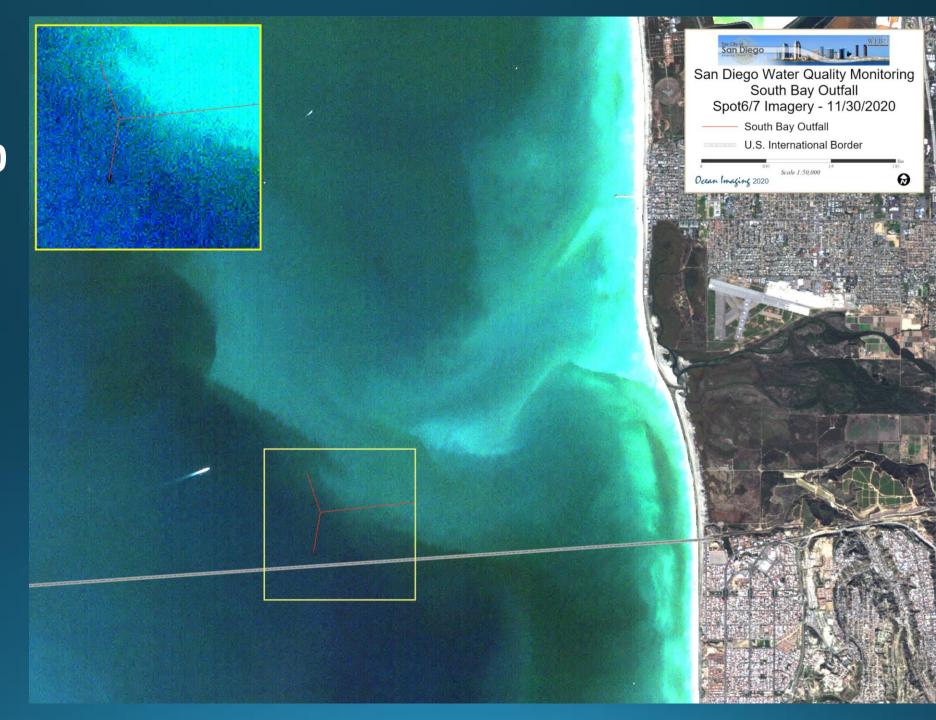
Sentinel 2B and SPOT 6/7 detected the SBO signature on 11/29/2020, both images were collected within 20 minutes of each other.



Sentinel 2B acquired at 10:37:59 AM PST

## **SPOT 6/7 November 30, 2020**

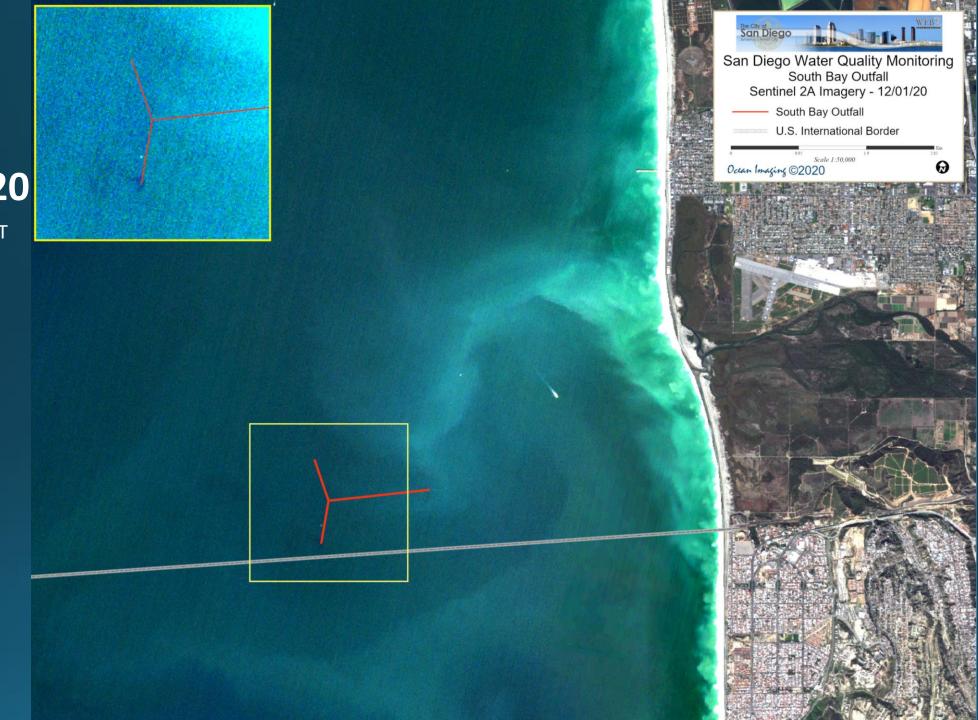
Acquisition time: 10:13:08 AM PST



## December 2020 SBO Signatures

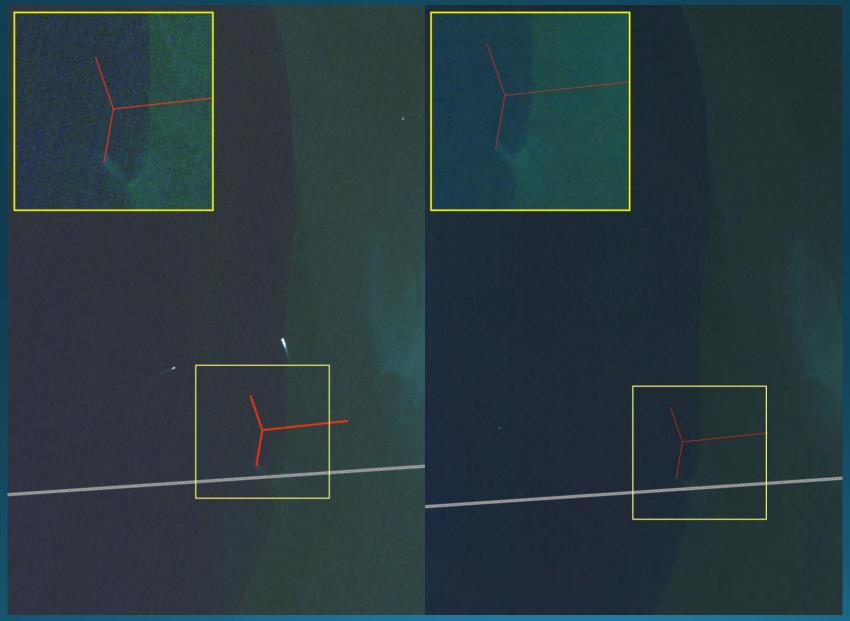
#### Sentinel 2A December 1, 2020

Acquisition time: 10:27:31 AM PST



### December 4, 2020

Sentinel 2A and Spot 6/7 detected the same signature from the SBO on 12/4/2020, both images were collected within 10 minutes of each other.

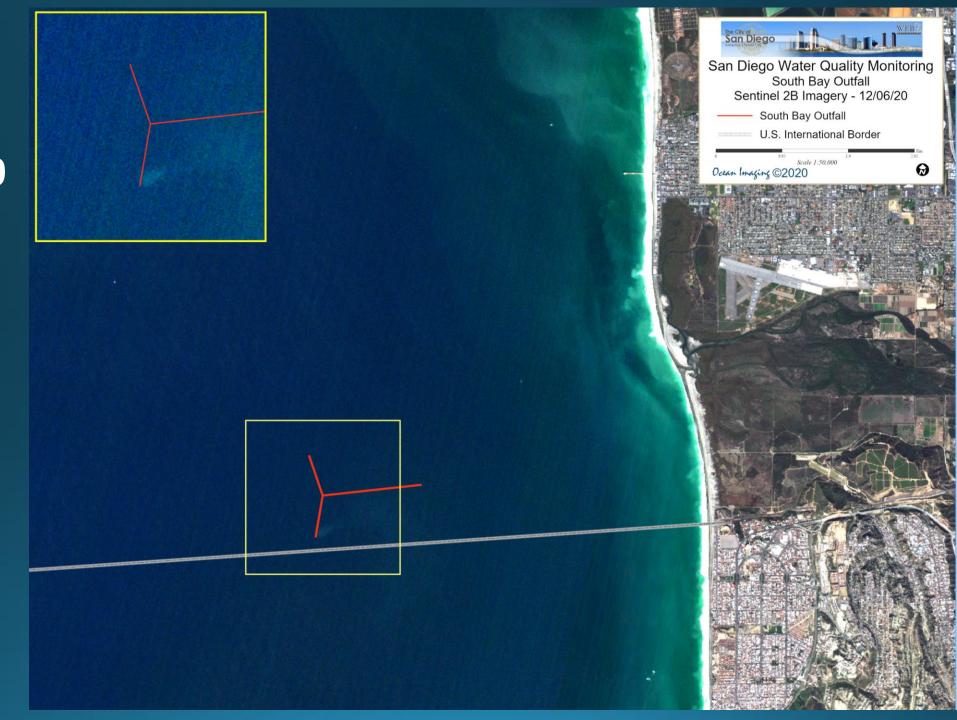


Sentinel 2B acquired at 10:37:41 AM PST

SPOT 6/7 acquired at 10:30:20 AM PST

#### Sentinel 2A December 6, 2020

Acquisition time: 10:27:20 AM PST

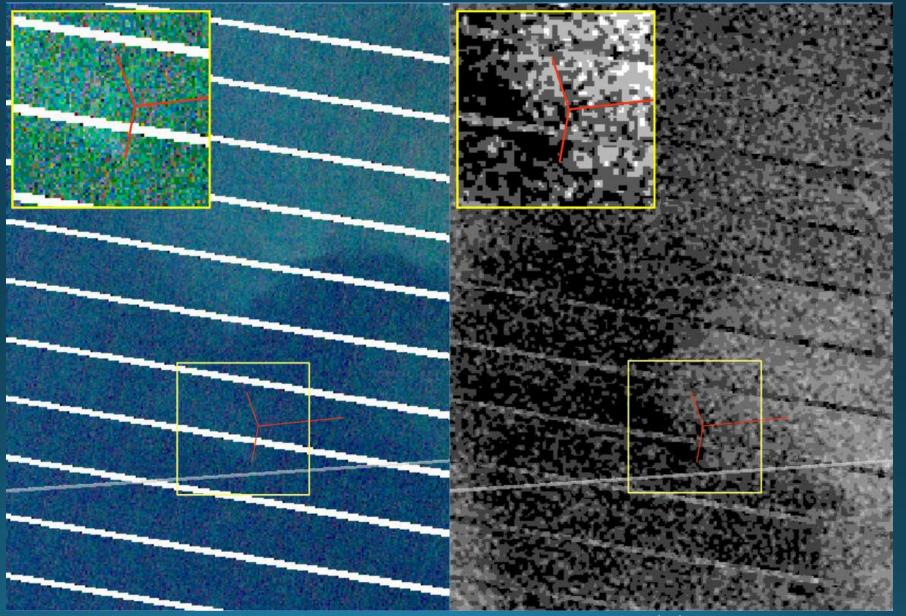


## December 11, 2020

Sentinel 2A, SPOT 6/7 and Landsat 7 TM detected the same SBO Signature, images were collected within an hour of each other.

#### Landsat 7 Signature

Landsat 7 TM acquired at 09:42:17 AM PST



A comparison of Landsat 7's true color composite image and the thermal image for 12/11/2020.

### December 11, 2020 Continued

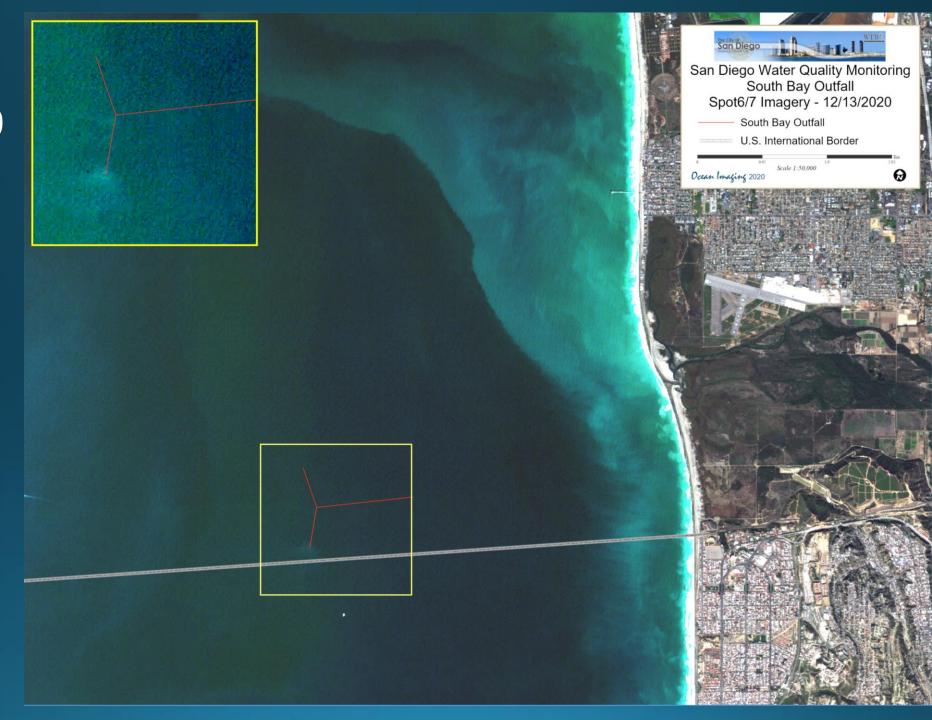
Sentinel 2A and SPOT 6/7 Signature



SPOT 6/7 acquired at 10:26:40 AM PST

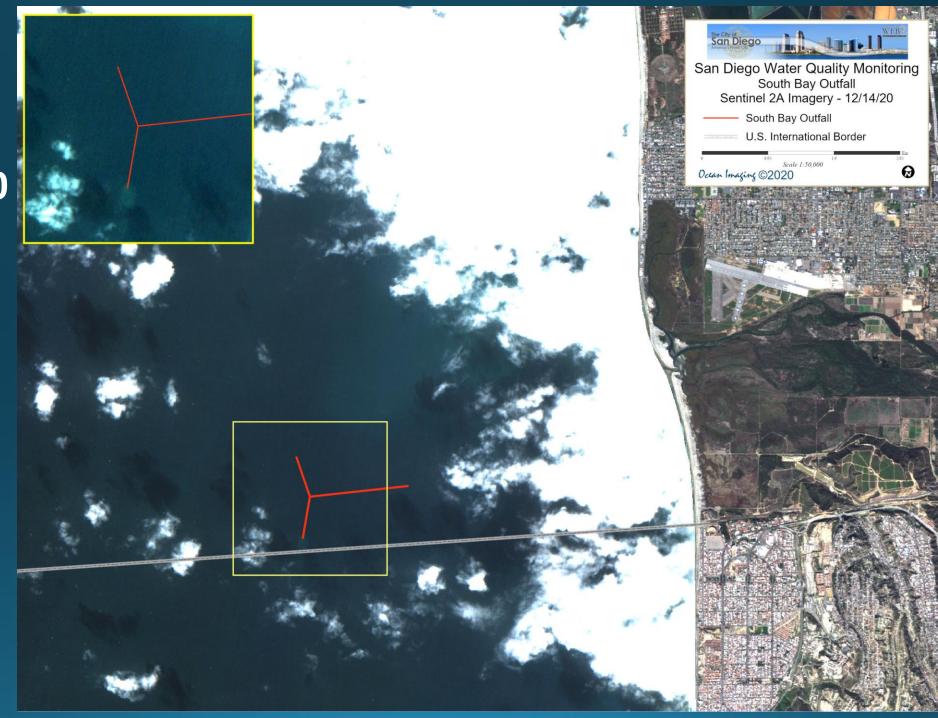
## **SPOT6/7 December 13, 2020**

Acquisition time: 10:11:34 AM PST



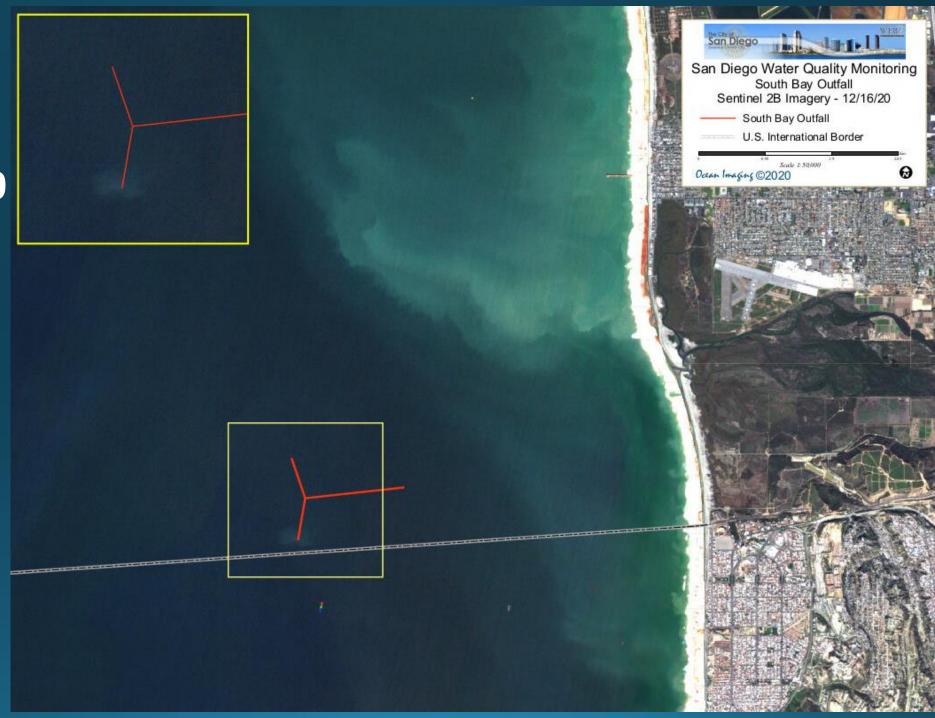
#### Sentinel 2A -December 14, 2020

Acquisition time: 10:37:51 AM PST



#### Sentinel 2B -December 16, 2020

Acquisition time: 10:27:51 AM PST



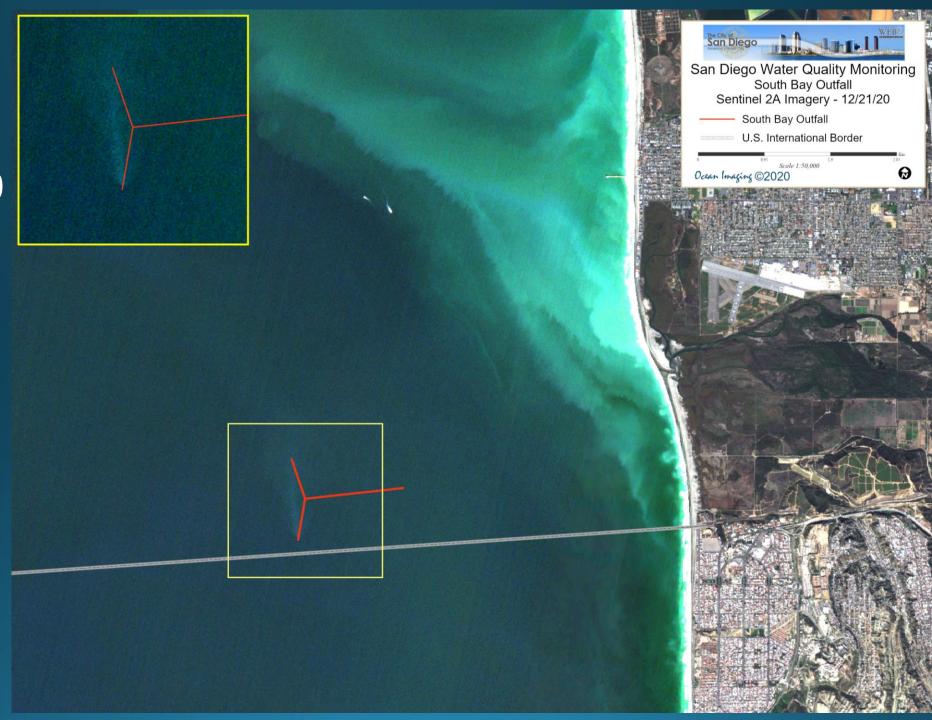
#### SPOT 6/7 December 18, 2020

Acquisition time: 10:23:19 AM PST



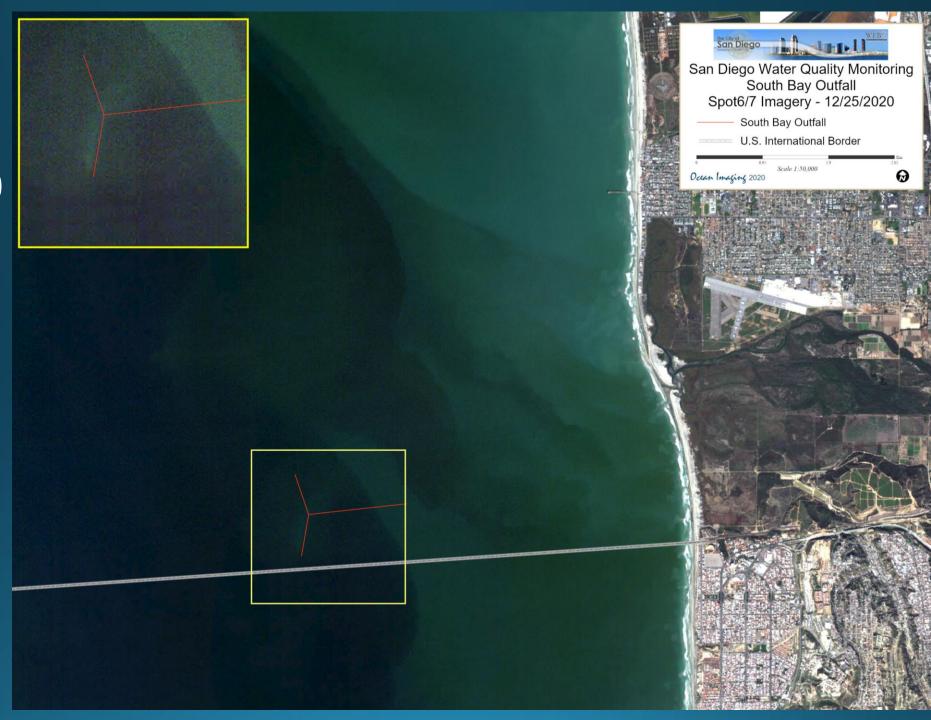
#### Sentinel 2A December 21, 2020

Acquisition time: 10:28:01 AM PST



#### SPOT 6/7 December 25, 2020

Acquisition time: 10:19:39 AM PST



#### Sentinel 2B December 26, 2020

Acquisition time: 10:27:59 AM PST



## December 29, 2020

Sentinel 2A and Spot 6/7 detected the same signature from the SBO within an hour of each other.



Sentinel 2B acquired at 10:37:59 AM PST

SPOT 6/7 acquired at 9:49:46 AM PST

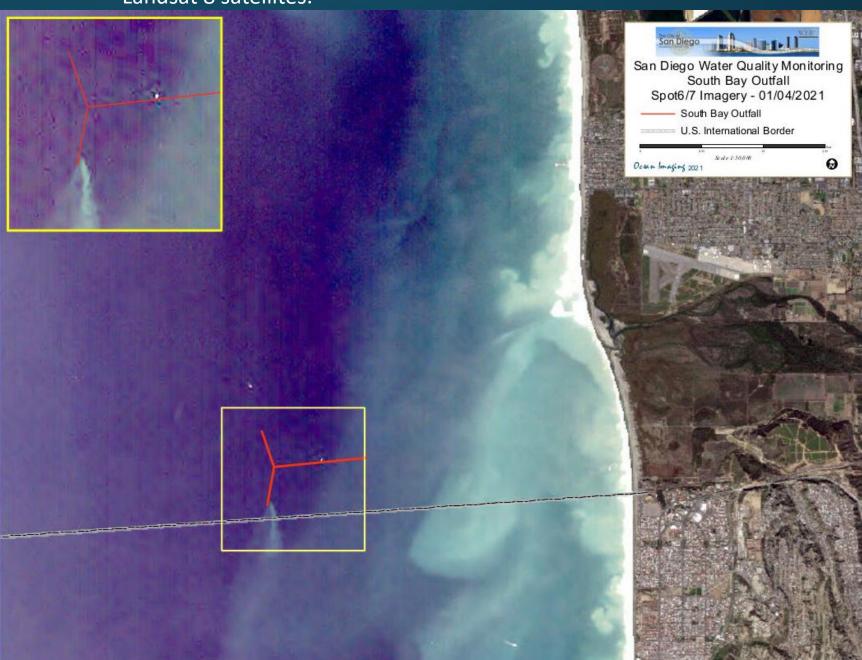
## January 2021 SBO Signatures

## January 4, 2021

SPOT 6/7 Signature

Acquisition time: 09:54:11 AM PST

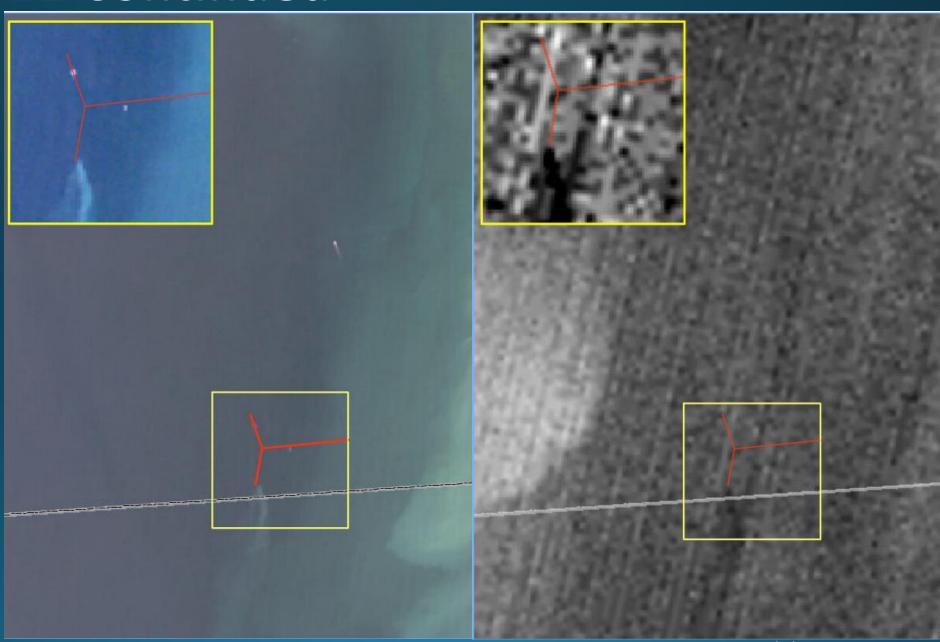
On January 4, 2021 SBO signature was detected by both SPOT 6/7 and Landsat 8 satellites.



## January 4, 2021 Continued

Landsat 8

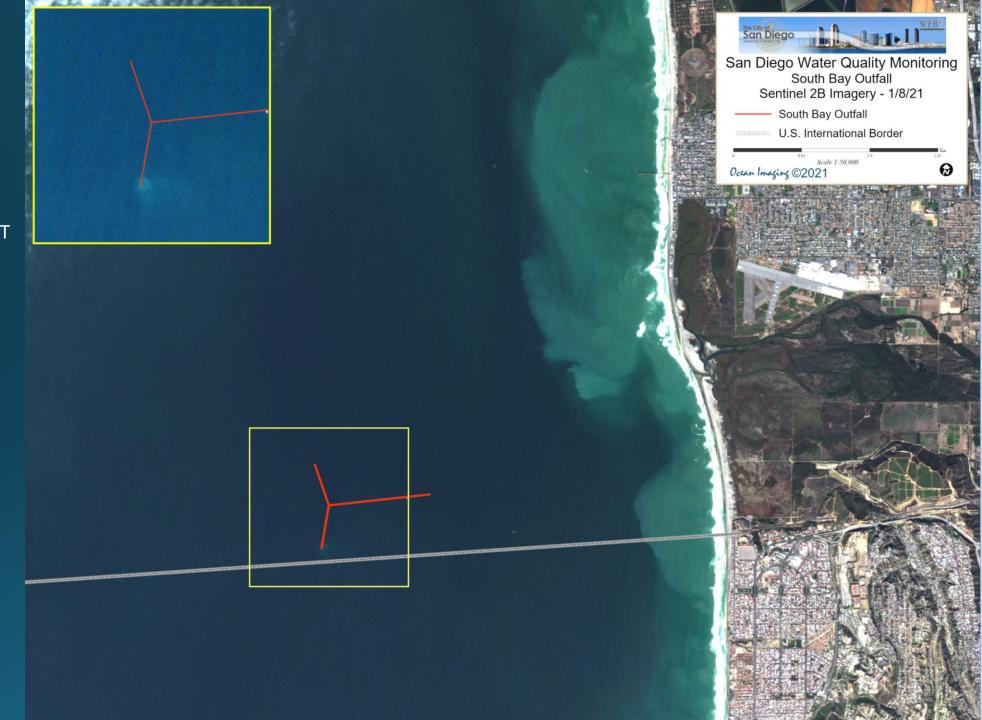
Acquired at: 10:22:32 AM PST



A comparison of Landsat 8's true color composite image and the thermal image for 1/4/2020.

#### Sentinel 2B January 8, 2021

Acquisition time: 10:37:39 AM PST



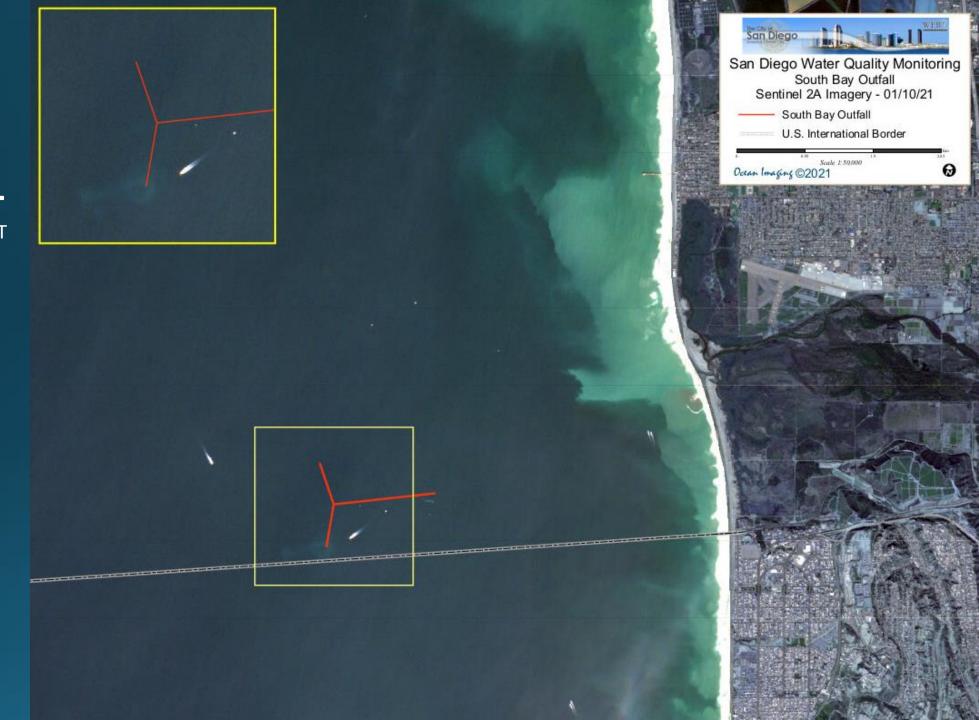
#### SPOT 6/7 January 9, 2021

Acquisition time: 10:05:20 AM PST



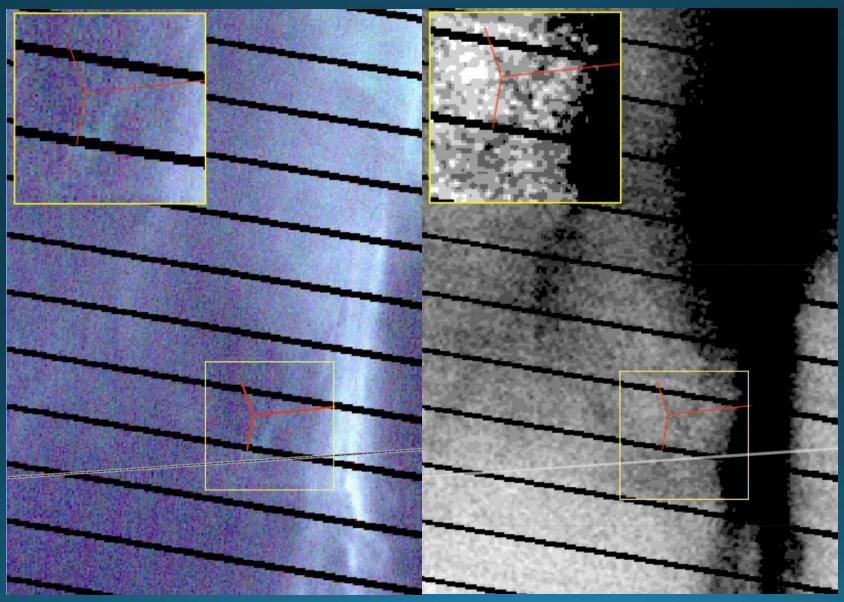
#### Sentinel 2A January 10, 2021

Acquisition time: 10:27:31 AM PST



## January 12, 2021

Landsat 7 TM detected a SBO signature. The comparison below is of true color and thermal imagery. The signature I better seen in the true color image.



True color image (right) and thermal image (left). Acquisition time: 9:39:59 AM PST

## January 13, 2021

Sentinel 2A and SPOT 6/7 detected the same signature, both images were collected within 15 minutes of each other.

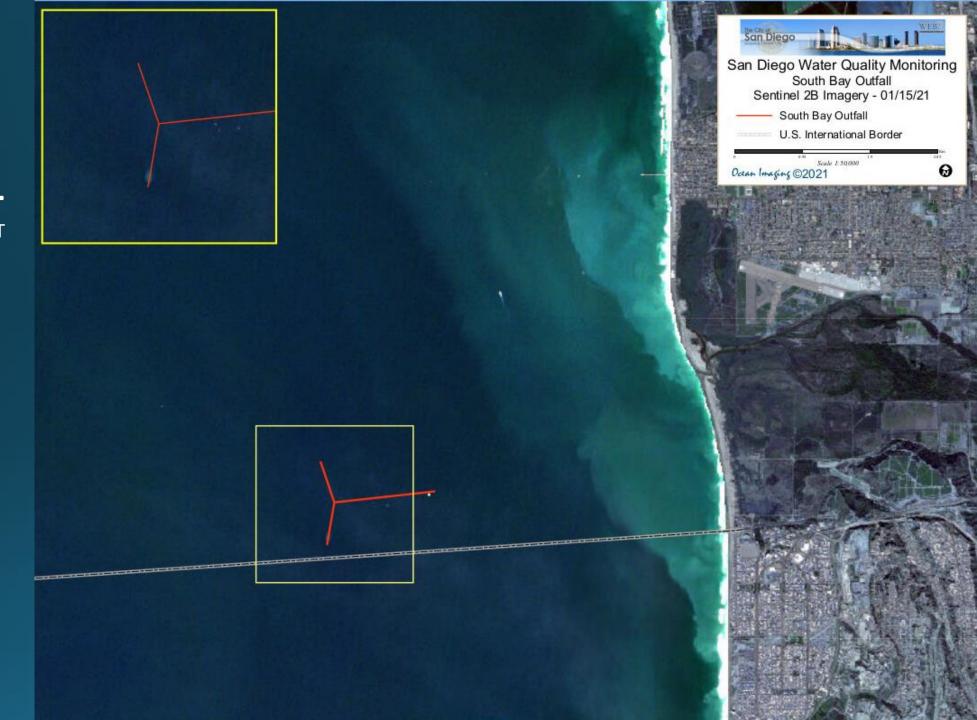


Sentinel 2 acquisition time: 10:37:31 AM PST

SPOT 6/7 acquisition time: 10:23:43 AM PST

#### Sentinel 2A January 15, 2021

Acquisition time: 10:27:19 AM PST



### SPOT 6/7 January 17, 2021

Acquisition time: 9:53:57 AM PST

