

**Ministry of Agriculture
Fisheries Department**

**Closed- Circuit Television Inspections
Annual Report
2019**

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Fisheries Officer**

Introduction

Closed-circuit television (CCTV) –this is also known as video surveillance, comprising video camera, recorders and display monitors to provide a visual imagery of all the recorded activities.

All fishing vessels are equipped with the CCTV surveillance system for compliances of the By-catch Reduction Device (BRD) and Turtle Excluder Device (TED) regulations.

The CCTV video footage is inspected by staff of the fisheries department. Vessels are randomly selected and their CCTV camera footage is inspected by the Fisheries Officials.

Inspections and monitoring of the CCTV cameras began on 11th February 2019.

The target for 2019 was seventy-five (75) inspections, a total of forty-eight (48) vessels' CCTV were reviewed for the period February – December 2019. The unit achieved 64% completion for the year 2019.

The companies targeted for this exercise in 2019 are as follows:

- Pritipaul Singh Investments (PSI)
- Noble House Seafoods (NHS)
- Gopie Investments International (GII)

Inspections completed by the target company are as follows:

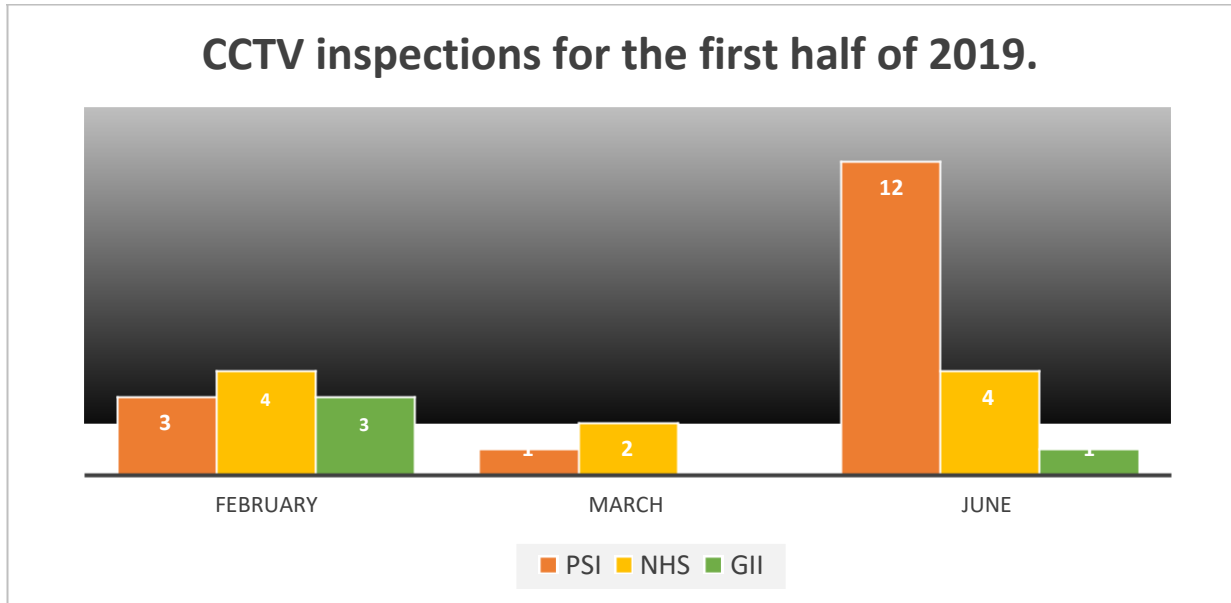
- Pritipaul Singh Investments (PSI) – 25
- Noble House Seafoods (NHS)- 17
- Gopie Investment International (GII) -6

All vessels CCTV reviewed showed the TED was used.

1. ANALYSIS OF DATA ➤

First half of 2019.

	Feb	Mar	Jun
PSI	3	1	12
NHS	4	2	4
GII	3	-	1

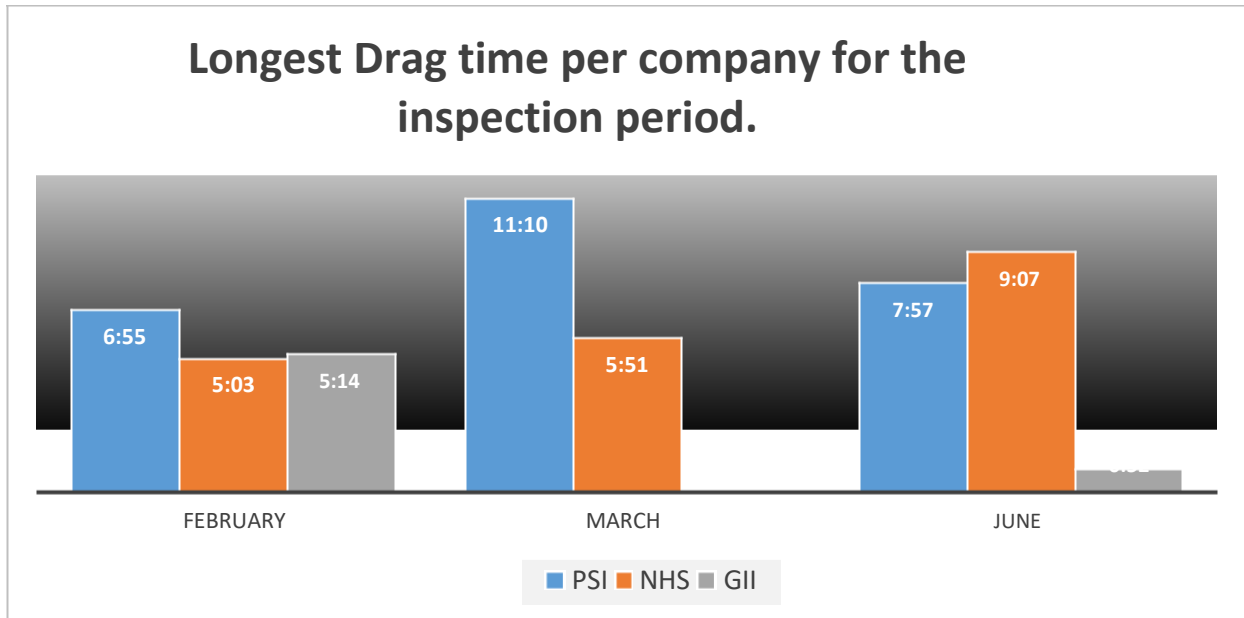


Graph 1. Showing the inspections for the first half of 2019.

- A total of 30 inspections were completed; PSI- 16, NHS- 10 and GII- 4.

Longest drag time for company:

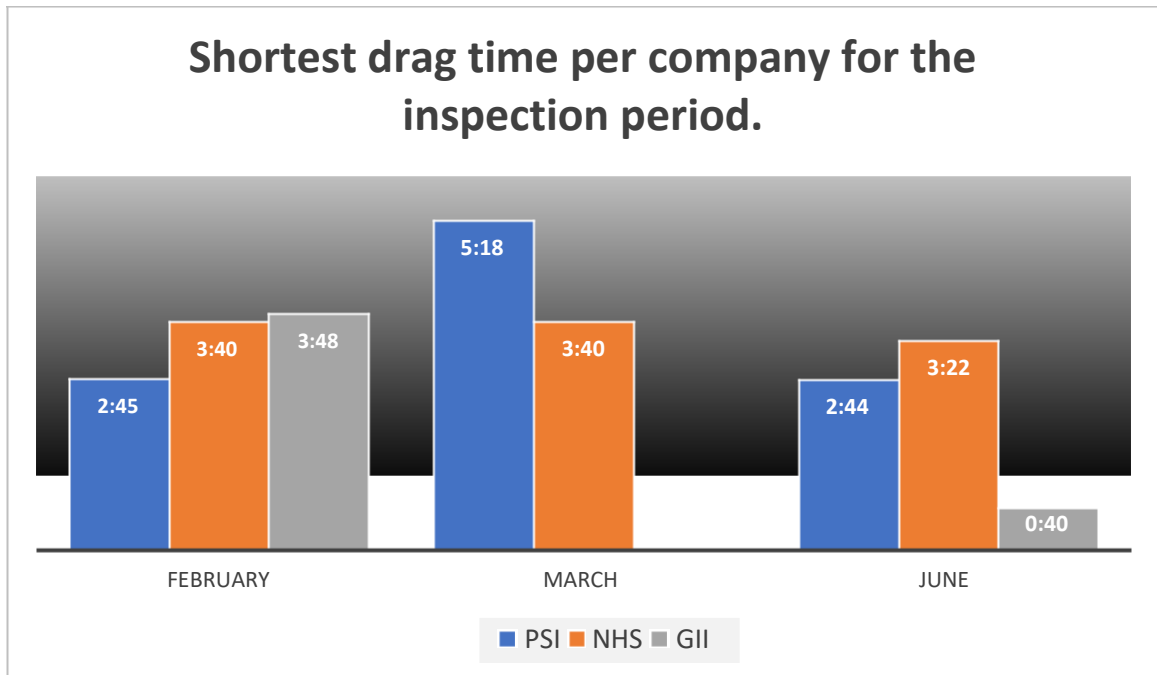
	Feb (h:mm:ss)	Mar (h:mm:ss)	GII (h:mm:ss)
PSI	6:55	11:10	7:57
NHS	5:03	5:51	9:07
GII	5:14	-----	0:52



Graph 2. Shows the Longest drag time per company for each month inspections were conducted.

Shortest drag time for company:

	Feb (h:mm:ss)	Mar (h:mm:ss)	Jun (h:mm:ss)
PSI	2:45	5:18	2:44
NHS	3:40	3:40	3:22
GII	3:48	--	0:40



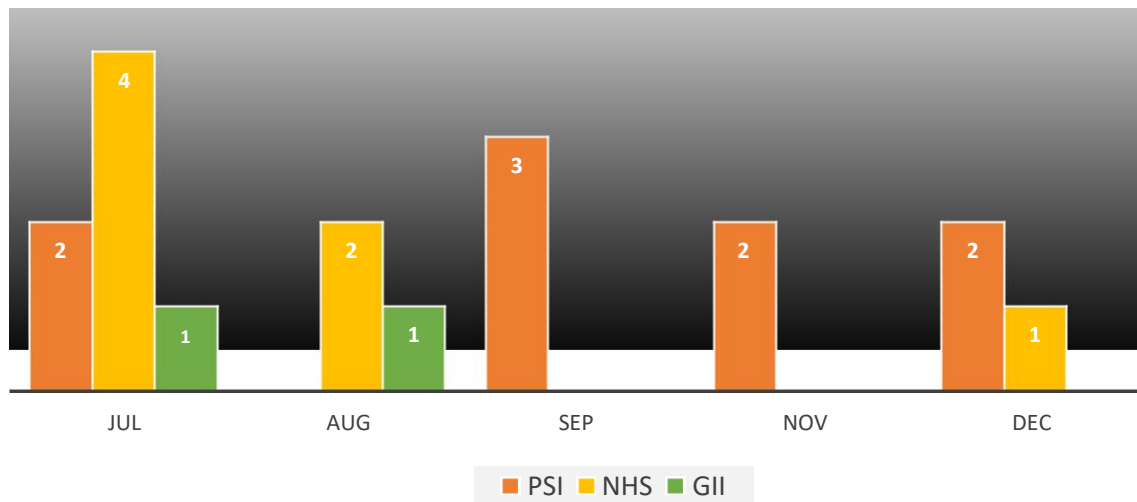
Graph 3. Shows the shortest drag time per company for the inspection period.



Second half of 2019.

	Jul	Aug	Sep	Nov	Dec
PSI	2	-	3	2	2
NHS	4	2	-	-	1
GII	1	1	-	-	-

CCTV Inspections for the second half of 2019.



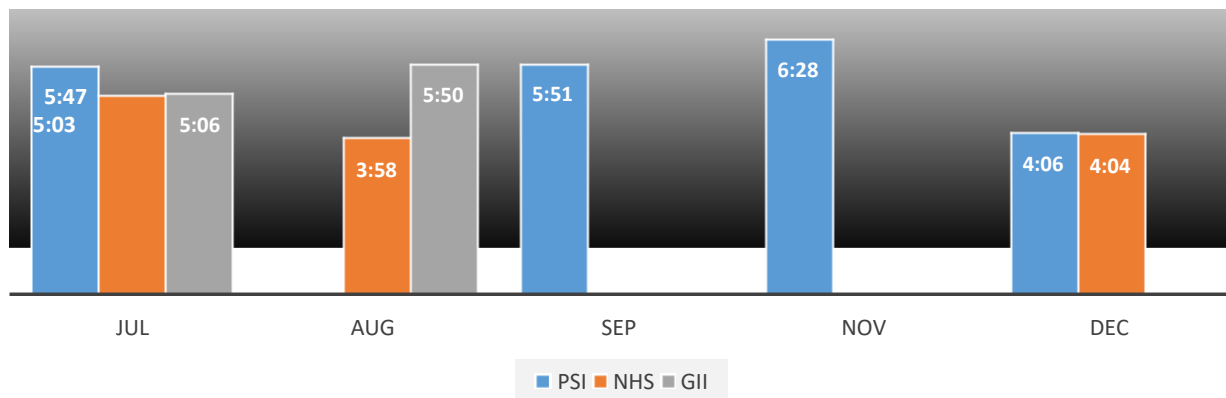
Graph 4. Shows the inspections for the second half of 2019.

- A total of 18 inspections were completed; PSI- 9, NHS- 7 and GII- 2.

Longest drag time per company

	Jul (h:mm:ss)	Aug (h:mm:ss)	Sep (h:mm:ss)	Nov (h:mm:ss)	Dec (h:mm:ss)
PSI	5:47	---	5:51	6:28	4:06
NHS	5:03	3:58	---	---	4:04
GII	5:06	5:50	---	---	---

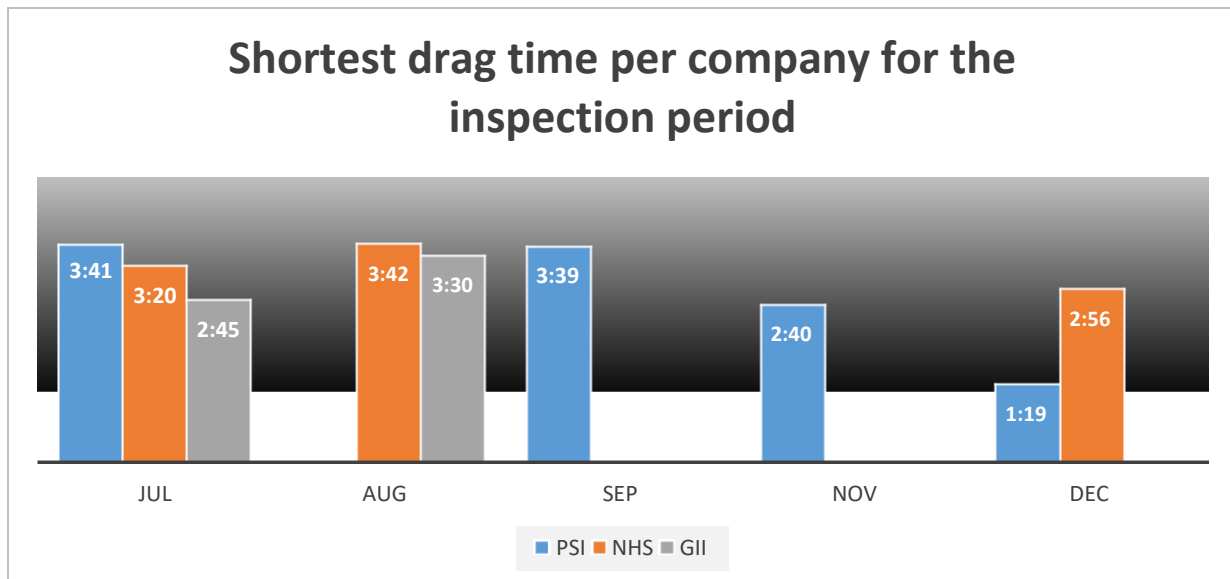
Longest drag time per company for the inspection period



Graph 5. Showing the Longest drag time per company for the second half off 2019.

Shortest drag time per company.

	Jul (h:mm:ss)	Aug (h:mm:ss)	Sep (h:mm:ss)	Nov (h:mm:ss)	Dec (h:mm:ss)
PSI	3:41	---	3:39	2:40	1:19
NHS	3:20	3:42	---	---	2:56
GII	2:45	3:30	---	---	---

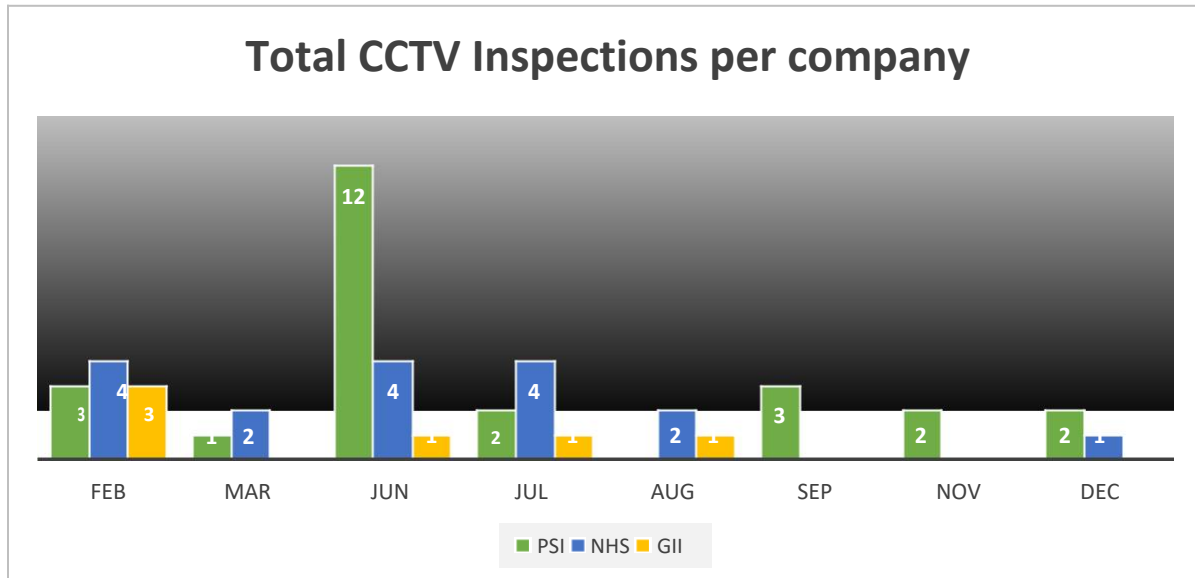


Graph 6. Showing the shortest drag time for the second half of 2019



Total inspection per company.

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
PSI	3	1	-	-	12	2	-	3	-	2	2	25
NHS	4	2	-	-	4	4	2	-	-	-	1	17
GII	3	-	-	-	1	1	1	-	-	-	-	6
TOTAL	10	3	0	0	17	7	3	3	0	2	3	48



Graph 7. Shows the total inspections conducted at the targeted companies for 2019.

- A total of 48 inspections were completed; PSI- 25, NHS-17 and GII- 6.

2. FINDINGS FROM THE INSPECTIONS

PSI

During the reviewing of the CCTV in the month of February, vessel Maria Mo was found entangled with a drift seine causing extensive damage to the small vessel.

The vessel Maria 71 from PSI had two floats present on each Turtle excluder device TED.

3. LIMITATIONS

The target for this year was not achieved because:

- The season closed from the 1st September to 21st October, there were no vessel camera to review.
- During the months of August – September four of the six staffs scheduled for inspections were on their respective annual leave hence the inspections were not completed.
- During the months of November – December three (3) staffs scheduled for inspections were on their respective annual leave, one (1) placed at the Head office, hence the inspections were not completed.
- The CCTV footage from Gopie Investment's vessels are not always available for the staff to conduct the inspections, this is mainly because the company do not save the footage to a backup system.
- Officials from PSI claims that the CCTV from the vessels are not backup and the footage is not available for the inspectors to review.



Cameras

- The position of cameras onboard of some vessels makes it difficult to get a clear view of the catch and by-catch and it is also difficult to determine if TEDs or BRDs are being tampered with; has yet to be addressed.
- The cameras malfunctions frequently and the images are blurred and difficult to view

➤ By-Catch Reduction Devices

- The colour (green) of the BRDs used by some companies makes it difficult to determine if the BRD is on the fishing apparatus. This issue has not been addressed by the companies.

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