

## Wallops Island Turtle Lighting Survey

Date / Time: 2 April 2019 / 7-8:30pm

Surveyors: TLombardi, SMiller

Building	# of Lights	Color	Visible from Beach	Duration / Intensity	Additional Notes (orientation, etc.)
MARS Payload Processing Facility	many	Amber	Y	Constant / Low	many light poles around facility, a few on building; all point downward
V-95	many	Amber	Y	Constant / Low	light poles downward facing; building lights open facing; building lights white, but shielded (not visible on beach)
V-100	2	Fluorescent White	N	Constant / High	below tree line, therefore not visible from beach; upward facing position
V-24 / V-25	many	Pink - peach	Y	Constant / High	light poles in parking lots and on buildings face downward
V-10 / V-20	2	Pink - peach	Y	Constant / Very High	two lights on the building are incredibly intense lighting; difficult to observe if facing downward at all because light is so intense
V-10 / V-20	many	Pink - peach	Y	Constant / High	many light poles in parking lots (~30° angle) and on buildings (~5° angle) oriented downward
Fire Station	1	Blue	Y	Constant / Low	NASA emblem visible from beach as blue-white light; 3+ additional building lights are yellow, downward facing, shielded and not very visible from beach
MET Tower	0				no lights on the MET tower, FAA requires lights on buildings over 200ft tall
X-55	1	Fluorescent White	Y	Constant / Medium	slightly oriented downward (~5° angle); 2 additional yellow lights next to building entrance medium intensity, could be more downward facing and shielded
X-35	1	Fluorescent White	Y	Constant / Medium	building light faces beach, if they are oriented downward it is slight (~5° angle)
X-15	2	Fluorescent White	Y	Constant / Medium-High	flood lights on building face the parking lot; if they are oriented downward it is slight (~5° angle)
X-005	1	Fluorescent White	N	Constant / Medium	building light faces away from beach, so is presumed not visible from the beach
Y-71 / Y-72	1	Fluorescent White	N	Constant / Low	building light faces away from beach, so is presumed not visible from the beach
Pad 0-B	0				no lights on Pad 0-B tower, FAA requires lights on buildings over 200ft tall

### Survey Notes:

Drove to beach from artist tower road, but did not traverse the beach to avoid getting stuck in sand. "Visible from beach" observations were made from a single observation point at the end of the rec beach entrance points. Investigation of observations from beach were conducted from vehicle. The weather was overcast with mist from ocean.

### Photos:

E:\70. Conservation\70.06. Threatened and Endangered\07 Protected Species\Sea Turtles\Lighting Plan\Turtle Lighting\2019 Lighting Survey Photos

**Date Taken:**

Tuesday, April 2, 2019 7:48 PM

**Location:**

Facing V-95/V-100 from rec  
beach entrance



Date Taken:

Tuesday, April 2, 2019 7:48 PM

Location:

MARS Payload Processing Facility  
from rec beach entrance



**Date Taken:**

Tuesday, April 2, 2019 7:51 PM

**Location:**

Mid- and south Wallops Island from rec beach entrance



Pads 0-A / 0-B

X-buildings

V-10 / V-20

V-24 / V-25

HIF

W-065

Fire Station

**Date Taken:**  
Tuesday, April 2, 2019 8:12 PM

**Location:**  
X-55 entrance



**Date Taken:**

Tuesday, April 2, 2019 8:12 PM

**Location:**

X-55



**Date Taken:**

Tuesday, April 2, 2019 8:14 PM

**Location:**

X-35 (facing north towards X-55)



**Date Taken:**

Tuesday, April 2, 2019 8:14 PM

**Location:**

X-35 (facing south towards X-15, Y-71/Y-72)



Y-71/Y-72

X-15