



Lainhart and Masten Dam Refurbishment Project

Octavio Castillo, P.E.
Project Manager
Engineering & Construction Bureau

LOXAHATCHEE RIVER MANAGEMENT
COORDINATING COUNCIL

September 25, 2017

Construction Progress at Masten Dam



Masten Dam – Alluvial Area



Existing condition as of May 2017

Masten Dam – Alluvial Area



**Post Hurricane Irma
Sept 2017**

Masten Dam – Alluvial Area



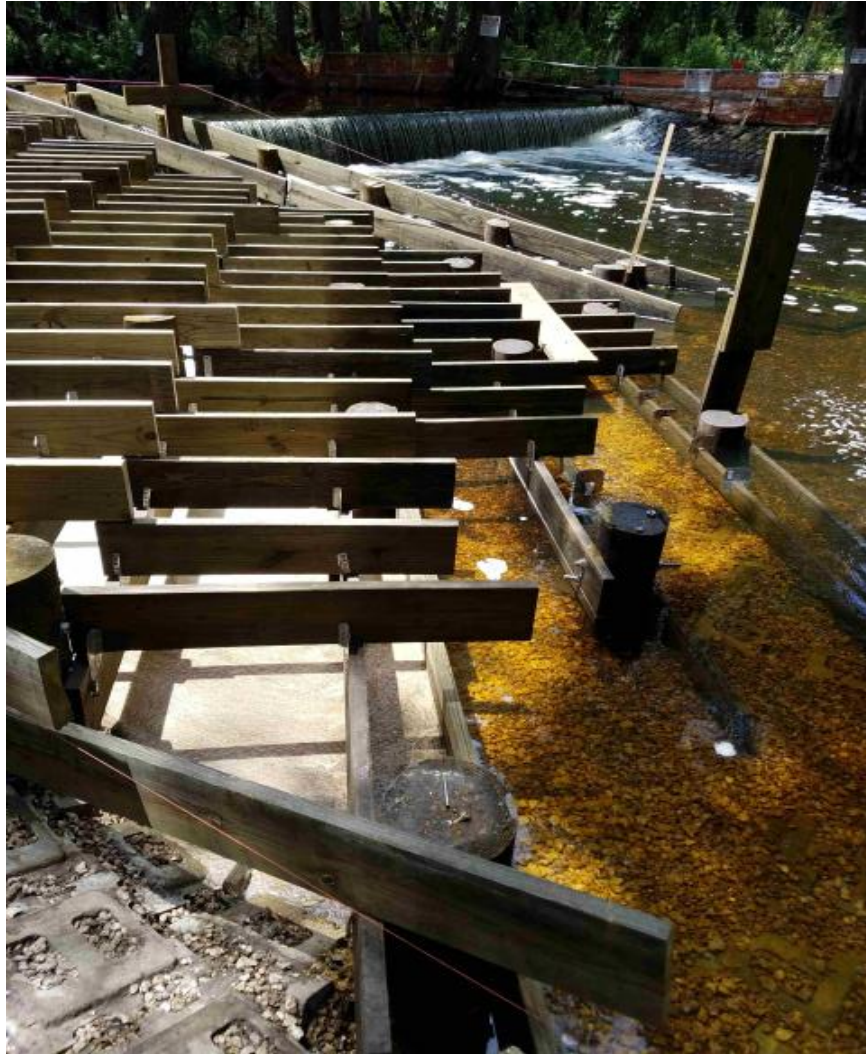
**Post Hurricane Irma
Sept 2017**

Masten Dam – Alluvial Area



**Post Hurricane Irma
Sept 2017**

Masten Dam – Portage Construction



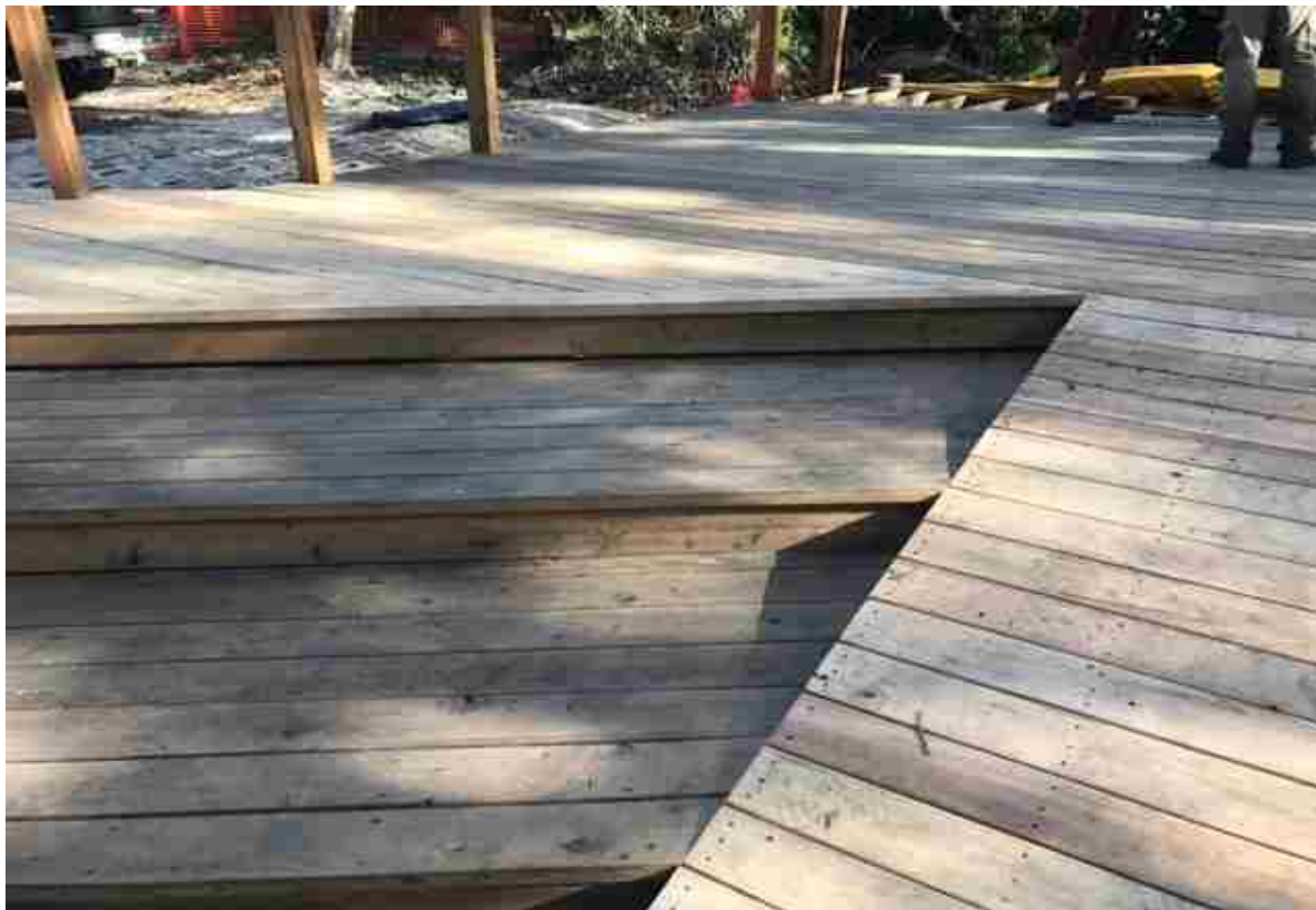
**Portage and benches
downstream side – Aug 2017**

Masten Dam – Portage Construction Cont.



Portage and benches downstream side – Sept 2017

Masten Dam – Portage Construction Cont.



Portage and benches downstream side – Sept 2017

Lainhart Dam – Seepage Barrier Construction



**Uretek injection tubes
Sept 2017**

Lainhart Dam – Seepage Barrier Construction



**Uretek injection tubes
upstream of the existing
concrete weir cap
Sept 2017**

Lainhart Dam – Seepage Barrier Construction



**Uretek injection tubes on
the West side of the
Lainhart Dam
Sept 2017**

Lainhart Dam – Seepage Barrier Construction



**Uretek injection upstream
of the Lainhart Dam
Sept 2017**

Lainhart Dam – Articulated Block Placement



**Articulated block
placement – July 2017**

Lainhart Dam – Articulated Block Placement Cont.



**Articulated block
placement – July 2017**

Lainhart Dam – Articulated Block Placement Cont.



**Articulated block
placement completed
July 2017**

Lainhart Dam – Marine Mattress Placement



**Placing Marine Mattress
downstream of the
Lainhart Dam – Aug 2017**

Lainhart Dam – Marine Mattress Placement Cont.



**Placing Marine Mattress
downstream of the
Lainhart Dam – Aug 2017**

Masten Dam – Marine Mattress Placement



**Marine Mattress Placed
at Masten Dam
June 2017**



Lainhart and Masten Dam

- **Completion of the Portage at the Masten Dam is expected by the second week of October**
- **Completion of the Portages at the Lainhart Dam is expected by the first week of November**
- **All work at the Lainhart and Masten Dams is expected to be completed by the end of November**



Masten Dam

Questions ?

