Post-Construction Sheen Monitoring
Monthly Report #5: August 2015

**Period:** 08/01/2015 through 08/31/2015

**Monitoring Days:** 08/06/2015 and 08/20/2015

Observations in Inlet Channel:
• No sheen observed in the Inlet Channel.

Observations in Cove:
• No sheen observed in Open Water Area and downstream of Heavily Vegetated Area.
• August 6, 2015: One patch/streamer of silver gray sheen observed in Heavily Vegetated Area. Sheen did not break when disturbed (“non-brittle”)
  1. A sheen sample was collected for laboratory analysis.
• August 6, 2015: One patch of silver gray sheen observed in Heavily Vegetated Area. Sheen broke apart when disturbed (“brittle”)
  2.
• August 20, 2015: One cover (no particular structure) of brittle silver gray sheen observed in Heavily Vegetated Area.

Mitigation: Non-brittle sheens were removed by sampling.

Sheen Sampling Results:
• The laboratory analysis of sheen net sample collected from Heavily Vegetated Area on August 6, 2015 indicated that sheen resemble crude oil from the Pegasus Pipeline.

Path Forward for September 2015:
• Continue biweekly sheen monitoring in Cove.
• Complete organoclay placement in Heavily Vegetated Area.

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**Notes:**
1. Non-brittle sheens are often related to anthropogenic sources, including petrogenic sources (e.g., petroleum hydrocarbons).
2. Brittle sheens are often of natural biogenic origin.
3. Laboratory testing is required to distinguish sheen sources (e.g., crude oil, roadway runoff, natural biologic activity).