

**Deepwater Horizon Oil Spill (DWHOS)
Water Column Technical Working Group**

**Addendum #1 to:
Image Data Processing Plan: Holocam, DAVPR, VPRII**

**Principal Investigator: Cabell Davis, WHOI
Addendum #1 PI: Malinda Sutor, LSU**

July 22, 2013

Prepared by:

Eileen Graham (ASA) and Malinda Sutor (LSU) on behalf of the Trustees

Reviewed by:

NOAA: Jennifer Kunzelman and John Quinlan

Louisiana: Amanda Vincent (LDEQ)

BP/Cardno ENTRIX: William Graeber (Cardno ENTRIX)

Period of Performance

July 15, 2013 – December 31, 2013

Except as amended herein, all provisions of the Image Data Processing Plan: Holocam, DAVPR, VPRII remain in effect.

Background/Justification

This addendum identifies an additional set of DAVPR imaging data to be processed pursuant to the procedures and protocols outlined in the Image Data Processing Plan: Holocam, DAVPR, VPRII and provides funding for processing the additional dataset. The DAVPR data was collected aboard the Walton Smith 4 (WS4) cruise that occurred in March-April 2011 (Figure 1, Table 1); the sampling plan for the cruise has been approved by the parties.

Dr. Malinda Sutor (LSU) will serve as the principal investigator for the processing of the WS4 DAVPR data. She and her team will conduct the processing and QA/QC of the data in consultation with Cabell Davis, who will serve as the primary QA/QC reviewer.

After the QA/QC is completed, Dr. Sutor will deliver the data to the NOAA NRDA Data Management Team as described in the image data processing plan.

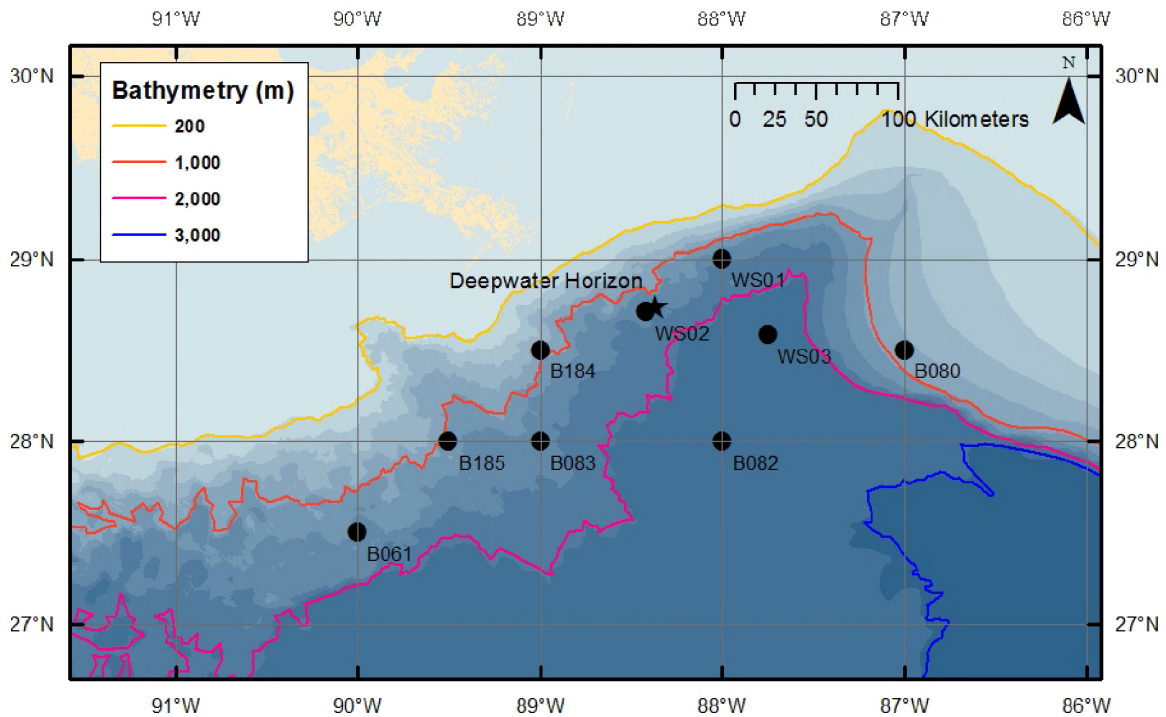


Figure 1. Locations of NRDA DAVPR data collections on the Walton Smith 4 cruise.

Table 1. Station and date of deployments of the NRDA DAVPR data collections on the Walton Smith 4 cruise.

Leg 1			Leg 2		Leg 3			
B061	D1	4/23/2011	B184	D1	5/5/2011	B080	D1	5/18/2011
B061	D2	4/24/2011	B184	D2	5/6/2011	B080	N1	5/19/2011
B061	D3	4/25/2011	B184	D3	5/7/2011	B080	D2	5/19/2011
B061	N1	4/24/2011	B184	N1	5/6/2011	B080	N2	5/20/2011
B061	N2	4/25/2011	B184	N2	5/7/2011	B080	D3	5/20/2011
B061	N3	4/26/2011	B184	N3	5/8/2011	B080	N3	5/21/2011
B083	D1	4/26/2011	WS01	D1	5/11/2011	B082	D1	5/21/2011
B083	D3	4/29/2011	WS01	D2	5/12/2011	B082	N1	5/22/2011
B083	N1	4/27/2001	WS01	D3	5/13/2011	B082	D2	5/22/2011
B083	N2	4/28/2011	WS01	N1	5/12/2011	B082	N2	5/23/2011
B083	N3	4/30/2011	WS01	N2	5/13/2011	B082	D3	5/23/2011
B185	D3	4/22/2011	WS01	N3	5/13/2011	B082	N3	5/24/2011
B185	D2	4/21/2011	WS02	D2	5/9/2011	WS03	D1	5/24/2011
B185	N3	4/23/2011	WS02	D3	5/10/2011	WS03	N1	5/25/2011
			WS02	N1	5/9/2011	WS03	D2	5/25/2011
			WS02	N2	5/10/2011	WS03	N2	5/26/2011
			WS02	N3	5/11/2011	WS03	D3	5/26/2011
						WS03	N3	5/27/2011

Budgeting:

The Parties acknowledge that this budget is an estimate, and that actual costs may prove to be higher due to a number of potential factors. The costs indicated in Budget Chart # 1 below and any additional reasonable costs within the scope of this workplan that may arise shall be reimbursed by BP upon receipt of written invoices submitted by the Trustees. The Trustees will make a good faith effort to notify BP in advance of any such increased costs.

Budget Chart.

NOAA Contractor Labor:	
Malinda Sutor, PI (3 months)	████████
Fred Marin, technician (6 months)	████████
Supplies	████████
Total Budget	\$74,840

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Addendum #1 Principal Investigator: Malinda Sutor, LSU

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Approvals

Approval of this work plan is for the purposes of processing (including identifying and classifying) digital image data for the Natural Resource Damage Assessment. Parties each reserve its right to produce its own independent interpretation and analysis of any data processed pursuant to this work plan.

BP Approval	<u>Joyce Miley</u> Printed Name	<u>Joyce Miley</u> Signature	<u>7/25/13</u> Date
Federal Trustee Approval	<u>Daniel Ham</u> Printed Name	<u>[Signature]</u> Signature	<u>7/25/13</u> Date
Louisiana Approval	<u>CAROLIN DEBUSSCHE</u> Printed Name	<u>[Signature]</u> Signature	<u>8/16/13</u> Date