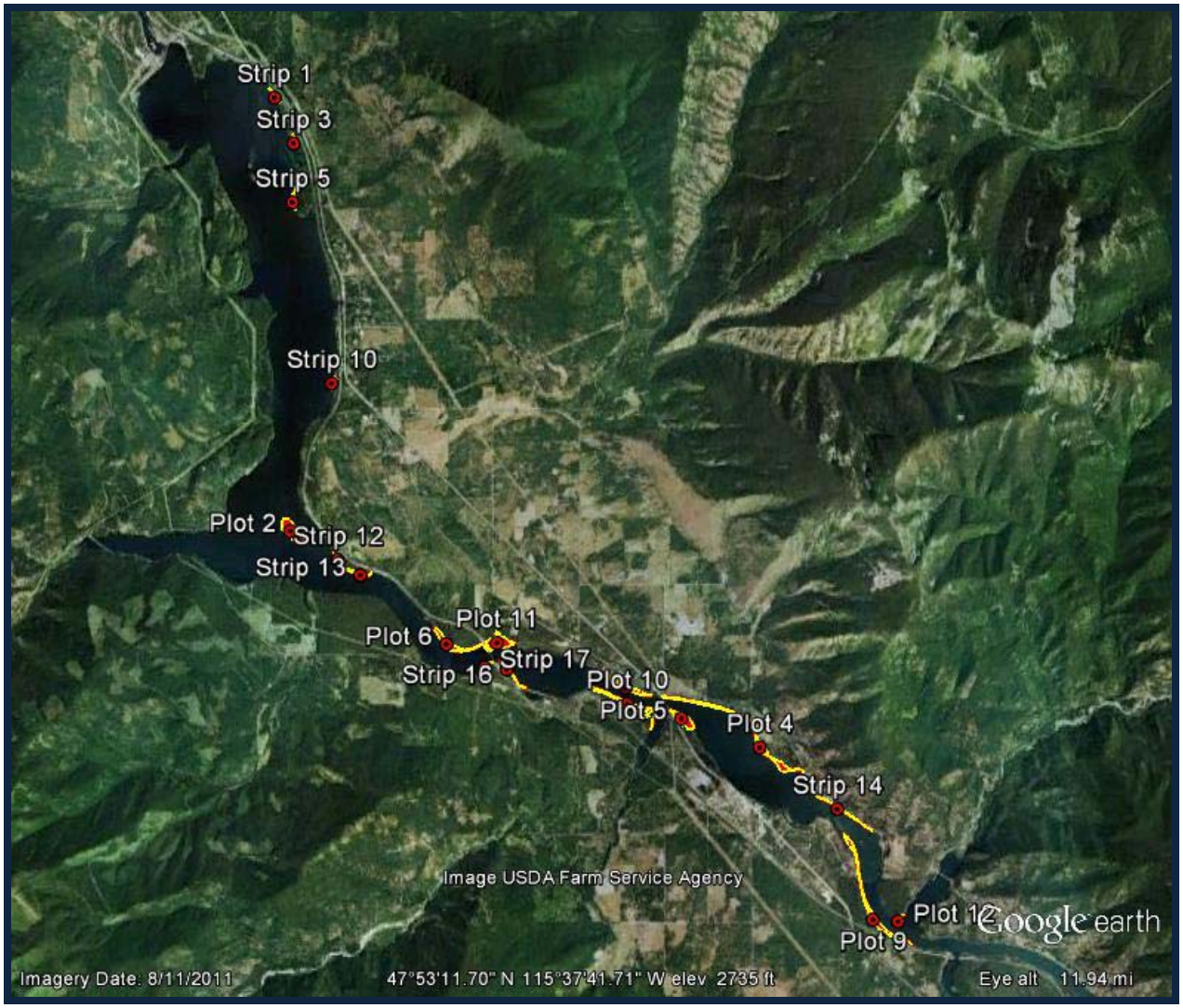
CLEAN LAKES INC.

NOXON RAPIDS RESERVOIR
SANDERS COUNTY, MONTANA

2012 AIS Aquatic Pesticide Application Report (APAR)



Prepared By:

CLEAN LAKES INC.

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Prepared For:
MSU Extension/Sanders County
2504 Tradewinds Way, Suite 1B
Thompson Falls, MT 59873

September 2012

BACKGROUND INFORMATION: Clean Lakes, Inc. (CLI) was contracted by Sanders County Montana to provide aquatic herbicide applications for the control of Aquatic Invasive Species (AIS) within specific areas of Noxon Rapids Reservoir. Applications were conducted in compliance with the Montana Department of Environmental Quality National Pollutant Discharge Elimination System (NPDES) Pesticide General Permit (PGP) for Pesticide Application (NOI Permit # MTG870000), as well as the Pesticide Discharge Management Plan (PDMP) developed as part of the PGP (Permit related information is included in the Noxon Rapids Reservoir, Sanders County, Montana, 2012 AIS Aquatic Pesticide Application Plan (APAP)[1] on file with Sanders County).

On August 9, 2012 at approximately 10:00 AM, a Pre-Treatment meeting was held at the Trout Creek Boat Launch facility. Representatives from Avista, the local BASS Club, CLI, the Montana Department of Agriculture, Montana State University Extension, Noxon Cabinet Shoreline Coalition, Sanders County Aquatic Invasive Plant Task Force, and the local news media were in attendance.

A review of the Aquatic Pesticide Application Plan (APAP), the Montana Department of Environmental Quality Permits, the Site Specific Safety Plan and Spill Response equipment on site, and the general approach for the aquatic herbicide applications was discussed.

[1] Noxon Rapids Reservoir, Sanders County, Montana, 2012 AIS Aquatic Pesticide Application Plan (APAP)

Following the land based discussions, a boat tour of some of the planned treatment sites was conducted.

SCOPE OF WORK: The scope of work was for the application of aquatic herbicides, alone, or in combination, for the control of Eurasian watermilfoil and Curlyleaf pondweed in up to 175 acres within pre identified areas of Noxon Rapids Reservoir.

SUMMARY OF ACRES TREATED: The plan consisted of treating 142.6 acres in Block Plots, and 20 acres in Strip Plots, for a total of 162.6 acres, or 1,402.20 acre feet (Block 1215.0, Strip 187.0). The Pre Treatment Plot surveys altered some of the plot sizes, and water depths were adjusted in the Plots based on water level conditions at the time of treatment. These adjustments resulted in the treatment of 153.1 acres in Block Plots, and 19.3 acres in Strip Plots, for a total of 172.4 acres, or 1,336.00 acre feet (Block 1,146.9, Strip 189.1).

TREATMENT SCHEDULE: The aquatic herbicide treatments were performed on August 9th, 13th, 14th, and 15th, 2012. To improve contact time of the aquatic herbicides for the treatment of Plot 2 that is located in an open water area of the reservoir, Avista was able to slow the water flows for a portion of the day on August 15th, (see Plot Aerials below).

PRE-TREATMENT SURVEYS: Sanders County hired a third party consultant to perform the 2012 pre-treatment surveys of Noxon Rapids Reservoir. The treatment area shapefiles were provided to CLI along with the "Guidance for Herbicide Use to Selectively Manage Eurasian watermilfoil and Curlyleaf Pondweed in Noxon Rapids Reservoir, Montana, 2012"[2], Getsinger et al; "2012 Noxon Reservoir Herbicide Guidance Suggestions," July 2012, AquaTechnex LLC[3]; and "Recommendations for Aquatic Herbicide Applications, Noxon Rapids Reservoir 2012", Dr. Kurt Getsinger, U.S. Army Engineer Research and Development Center[4].

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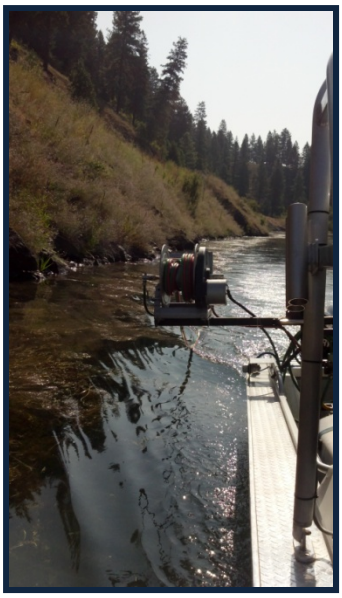
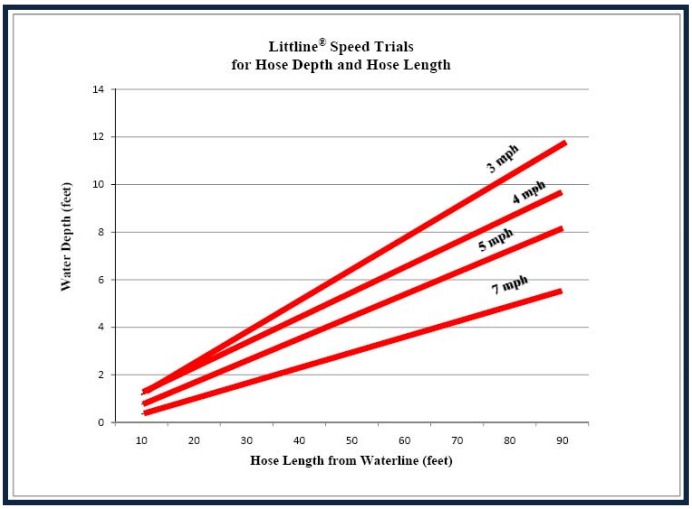
[2] Guidance for Herbicide Use to Selectively Manage Eurasian watermilfoil and Curlyleaf Pondweed in Noxon Rapids Reservoir, Montana, 2012, Getsinger et al;
[3] 2012 Noxon Reservoir Herbicide Guidance Suggestions, July 2012, AquaTechnex LLC
[4] Recommendations for Aquatic Herbicide Applications, Noxon Rapids Reservoir 2012, Dr. Kurt Getsinger, U.S. Army Engineer Research and Development Center

EQUIPMENT USED: Two of CLI's state-of-the-art Littoral Zone Treatment vessels (LittLines®) were used to perform the aquatic herbicide application. The herbicide applications were made to the lower portion of the water column to increase herbicide concentration and exposure time (CET) relationships for the control of the target species.



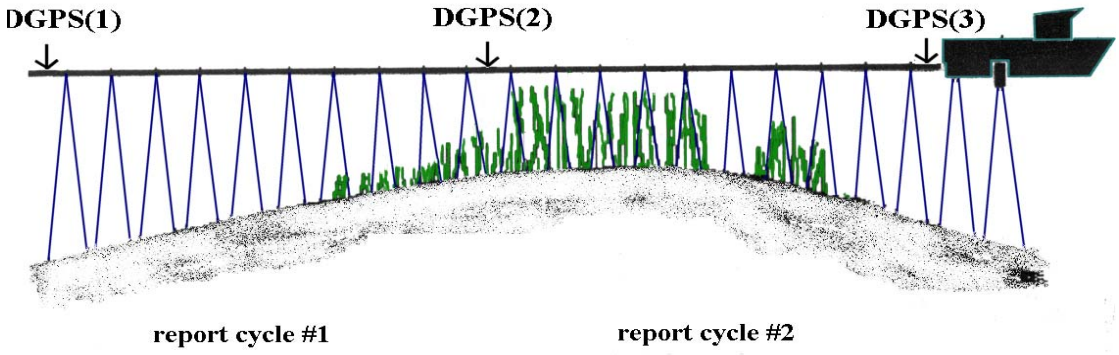
The AIS treatment area GIS shapefiles were loaded into the LittLine® computer system's for vessel guidance and herbicide application data recording. The treatment tracks were automatically recorded via the LittLine vessel's GPS guidance system for the production of the final treatment area maps to document the treatment areas.

The patent pending LittLine® can place herbicides at any depth within the water column (2 - 30 feet), as well as within the bottom 2 foot of the water column. Impacts from currents, wind and wave action are reduced in deep water applications through the use of the LittLine® application system when compared to conventional subsurface applications. For the Noxon Rapids applications, the application swath widths were approximately 50 foot, and the vessel speeds averaged 3 to 5 mph depending on water depths within the plots. The herbicide discharge in all of the plots was within the bottom portion of the water column. LittLine® Speed Trials were conducted for Hose Depth and Hose length to support the LittLine® vessel operator adjust speed based on water depth in a specific treatment Plot (chart shown to the right, Speed Trials performed in Lake Coeur d'Alene, September 8, 2009, independent third party depth data collected by Jim Flodin, Divers West, CDA Idaho). The LittLine® hoses are electronically reeled in or reeled out based on the varying depths of the treatment Plots.

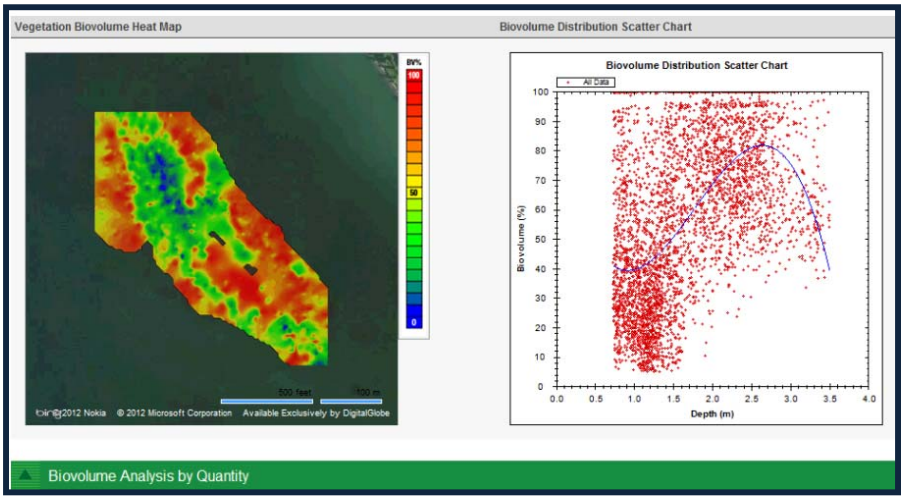


The LittLine system's computerized rate controllers regulate the aquatic herbicide applications through preset treatment rates. When the vessel speeds up and or slows down, the rate controllers adjust the herbicide application rate to match the preset rate in gallons of product per acre.

Submerged Aquatic Vegetation (SAV) Mapping: A Digital Echosounder System with a Structure Scan Module was used to record data of the submerged aquatic vegetation (SAV) profile in the control plots during treatment. Data was collected in both the .SLG (traditional sonar on HDS line) and the .SL2 (multi-channel structure scan) formats.



The data collected was processed for at time of treatment SAV data in the treatment plots. Data was collected to evaluate at time of treatment SAV coverage, height in the water column, and bio-



volume to support post-treatment efficacy evaluations. An example of a SAV at time of treatment view from Plot 2, Noxon Rapids Reservoir is pictured above.

AQUATIC HERBICIDES: CLI provided the aquatic herbicides for the project, and they were delivered by IEDS of Spokane, WA in recyclable tote (Aquathol K 250 gallon, Reward 120 gallon, Triclopyr 265 and 250 gallon), and 2.5 gallons (Aquathol K) containers. CLI provided the required support equipment for material handling (herbicide transfer) as well as support vehicles for the vessel assigned to the project. The aquatic herbicides Aquathol K® (liquid endothall), Renovate 3® and Triclopyr 3® (liquid triclopyr), and Reward® (liquid diquat dibromide) were applied to areas of Noxon Rapids Reservoir for the control of Eurasian watermilfoil and Curlyleaf pondweed as outlined in the Site Data Tables below (Herbicide Label's and Material Safety Data Sheets (MSDS's) included in the APAP).

PERMIT COMPLIANCE: CLI supported the development of the Aquatic Pesticide Application Plan, and Sanders County provided the required permits and approvals for the herbicide treatments from the Montana Department of Environmental Quality. There were no adverse incidents to report.

SERVICES PROVIDED BY CLI: All manpower, materials, insurance, equipment and technical advice required to perform aquatic herbicide applications in the project areas. In addition, CLI hosts a webpage at http://www.cleanlake.com/2012noxonrapidsais.html to provide project related information to the public.

SERVICES PROVIDED BY THE SANDERS COUNTY: Sanders County provided the required permits, published legal notices in newspapers, provided notification to property owners, posting at public boat launch facilities, and provided the project area GIS shapefiles that were used to generate the final 2012 Treatment Area Plots and Maps.

TREATMENT SITE DATA:

Table 1: Priority list of Large Stand Plots Treated on Noxon Rapids Reservoir, Treatment Site Data, Aquatic Herbicides Used, and Cost Data:

2012 Noxon Rapids Reservoir Block Treatment Data					Triclopyr		Endothall	
Priority	Plot Number	Acreage	Mean Depth (Feet)	Volume (Acre Feet)	Rate ppm	Qty Total Site (Gal)	Rate ppm	Qty Total Site (GAL)
1	12	2.9	8.00	23			3.0	45
2	9	22.1	8.00	177	1.00	160	2.0	226
3	4	28.1	7.00	197	1.00	178	2.0	252
4	5	15.7	7.00	110	1.00	99	2.0	141
5	10	15.3	8.00	122	1.00	111	2.0	157
6	11	19.3	5.00	96	1.00	87	2.0	123
7	6	14.3	8.00	114	1.00	104	2.0	146
8	2	24.0	9.00	216	1.00	195	2.0	276
		141.7		1056		934		1366
Reserve								
12	8	11.4	8	91	1.00	83	2.0	117
Total		153.1		1146.9		1017		1483

Table 1 Notes:

- Application Rates in Large Stand Plots = Endothall 2 ppm, Triclopyr 1 ppm.
- Acreage, average depth and acre feet values were adjusted in some of the Plots based on the Treatment Survey results.
- The 2012 Treatment priority was based on treatment progressing in an upstream to downstream direction

Table 2: Priority list of Strip Plots Treated on Noxon Rapids Reservoir, Treatment Site Data, Aquatic Herbicides Used, and Cost Data

2012 Noxon Rapids Reservoir Strip Treatment Data					Diquat		Endothall	
Priority	Strip Number	Acreage	Mean Depth (Feet)	Volume (Acre Feet)	Rate ppm	Qty Site (GAL)	Rate ppm	Qty Site (GAL)
1	14	2.7	8.00	21.6			3.0	41
2	16	3.5	8.00	28.0			3.0	54
3	17	1.0	6.00	6.0	0.37	3		
4	12	3.6	10.00	36.0			3.0	69
5	13	1.4	7.00	9.8	0.37	5		
6	10	1.5	11.00	16.5	0.37	8		
7	5	2.4	19.00	45.6	0.37	23		
8	3	1.2	8.00	9.6	0.37	5		
9	1	2.0	8.00	16.0	0.37	8		
Total		19.3		181.9		52		164

Table 2 Notes:

- Application Rates in Strip Plots = Endothall 3 ppm, Diquat 0.37 ppm
- Acreage, average depth and acre feet values were adjusted in some of the Plots based on the Treatment Survey results.
- The 2012 Treatment priority was based on treatment progressing in an upstream to downstream direction

Plot Percent SAV Cover and SAV Bio-Volume Present at Time of Application in the Treatment Plots

Table 3: Large Stand (Block) Plots Treated: Percent SAV Cover and SAV Bio-Volume at Time of Treatment Data

2012 Noxon Rapids Reservoir AIS Block Treatment: Plot SAV % Cover and SAV BioVolume Data					
Priority	**Plot Number**	**Acreage**	**SAV Percent Cover**	**SAV Bio-Volume**	**Date Data Collected**
1	**12**	**2.9**	**31.84**	**54.20**	**8/14/2012**
2	**9**	**22.1**	**N/A***	**N/A***	**8/13/2012**
3	**4**	**28.1**	**55.80**	**62.60**	**8/13/2012**
4	**5**	**15.7**	**50.30**	**74.80**	**8/13/2012**
5	**10**	**15.3**	**N/A***	**N/A***	**8/13/2012**
6	**11**	**19.3**	**79.50**	**69.90**	**8/9/2012**
7	**6**	**14.3**	**80.20**	**59.50**	**8/9/2012**
8	**2**	**24.0**	**79.90**	**56.20**	**8/15/2012**
12	**8**	**11.4**	**82.39**	**74.35**	**8/15/2012**
Average			**69.42**	**64.51**	
Total		**153.1**			

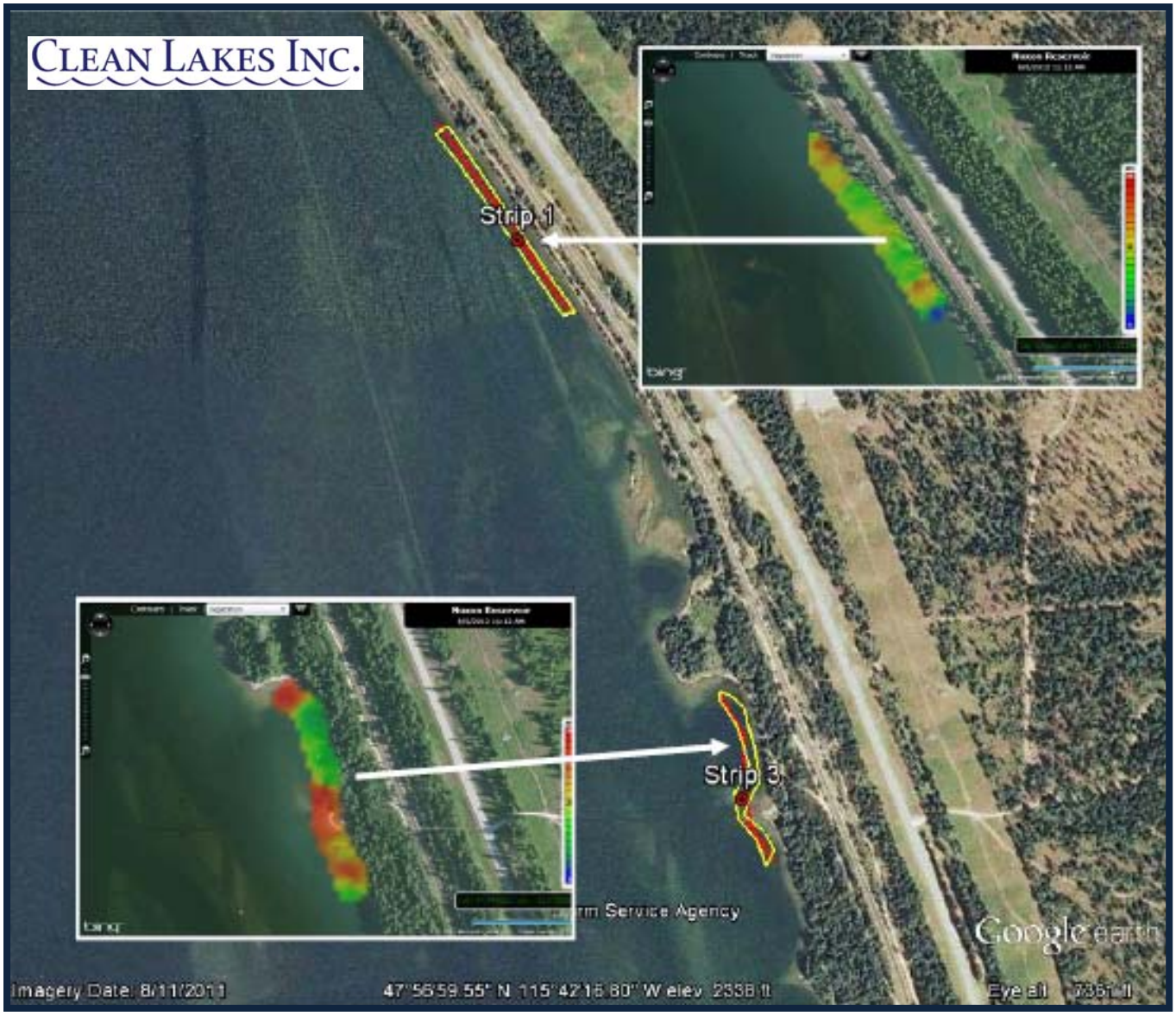
* Block 9 & 10 SAV Percent Cover and Bio-Volume Data Not Available: Collection Error Due to Submerged Aquatic Vegetation Tangled on the Transducer Creating an Invalid Data Set

Table 4: Strip Plots Treated: Percent SAV Cover and SAV Bio-Volume at Time of Treatment Data

2012 Noxon Rapids Reservoir AIS Strip Treatment: Plot SAV % Cover and SAV BioVolume Data					
Priority	**Strip Number**	**Acreage**	**SAV Percent Cover**	**SAV Bio-Volume**	**Date Data Collected**
1	**14**	**2.7**	**65.42**	**58.5**	8/14/2012
2	**16**	**3.5**	**42.25**	**80.4**	8/14/2012
3	**17**	**1.0**	**80.66**	**48.1**	8/15/2012
4	**12**	**3.6**	**78.11**	**50.2**	8/14/2012
5	**13**	**1.4**	**61.25**	**52.1**	8/14/2012
6	**10**	**1.5**	**84.40**	**66.7**	8/14/2012
7	**5**	**2.4**	**52.09**	**42.0**	8/14/2012
8	**3**	**1.2**	**59.69**	**52.4**	8/14/2012
9	**1**	**2.0**	**87.85**	**53.1**	8/14/2012
Average			**67.97**	**55.9**	
Total		**19.3**			

PROJECT AREA AERIALS

Strips Plots 1 & 3



SAV PERCENT COVER AND BIO-VOLUME DATA SETS

Strip Plot 1

Start Lat/Lon: 47.95294189, -115.70554352
End Lat/Lon: 47.95516586, -115.70788574

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/14/2012 6:15:56 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 5:02:53 PM
High Water Temp:	77.5° F
Low Water Temp:	76.93° F
Actual Area Covered:	3.88 acres
Actual Percent Covered:	0.05%
Actual Volume Covered:	30795.8 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/8550807f-20ca-46dc-a28b-a3fbd62c9a7c/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	87.85%	53.07%	0.46-2.91 m	2.26 m	307.418 m	502

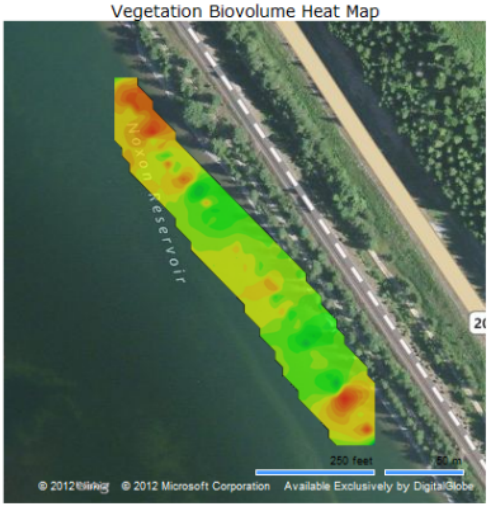
Additional Information

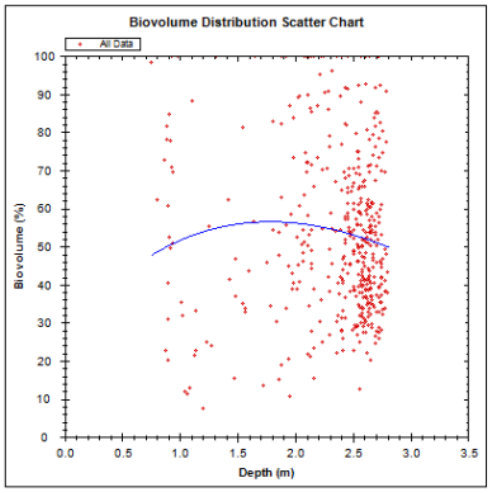
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	5.57%	2.36%	27.19%	34.48%	16.92%	13.49%

Vegetation Biovolume Heat Map





More Charts...

Legal

Strip Plot 3

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/14/2012 6:06:52 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 4:50:57 PM
High Water Temp:	77.5° F
Low Water Temp:	76.75° F
Actual Area Covered:	4.5 acres
Actual Percent Covered:	0.06%
Actual Volume Covered:	27548.44 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Start Lat/Lon: 47.94498062, -115.70093536
End Lat/Lon: 47.94740295, -115.70248413

Report URL:
http://files1.contourinnovations.com/ReportOutput/f232534a-c017-49c0-97c8-e46d42f6cfb7/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	59.69%	52.36%	0.35-4.66 m	1.85 m	334.669 m	449

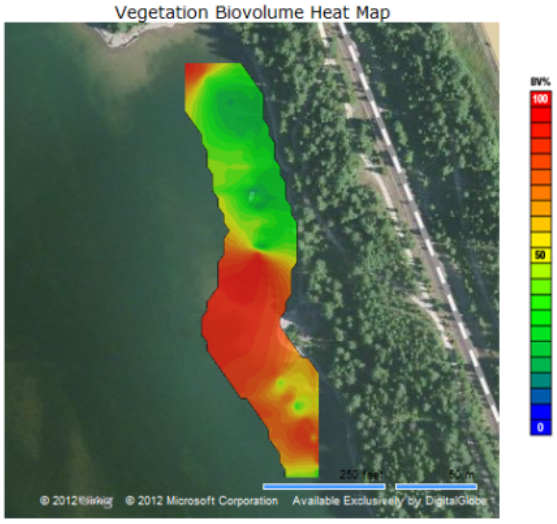
Additional Information

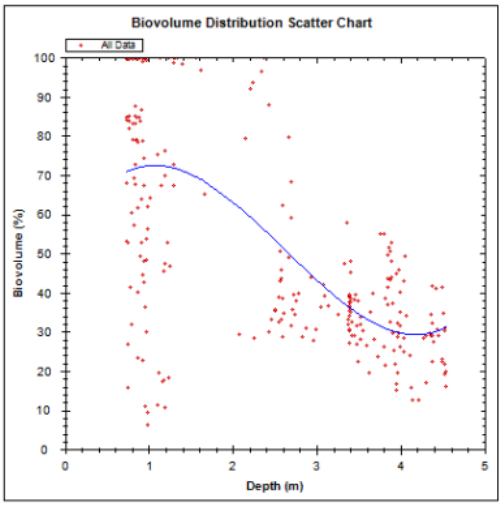
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	8.53%	7.51%	37.2%	16.04%	9.22%	21.5%

Vegetation Biovolume Heat Map





More Charts...

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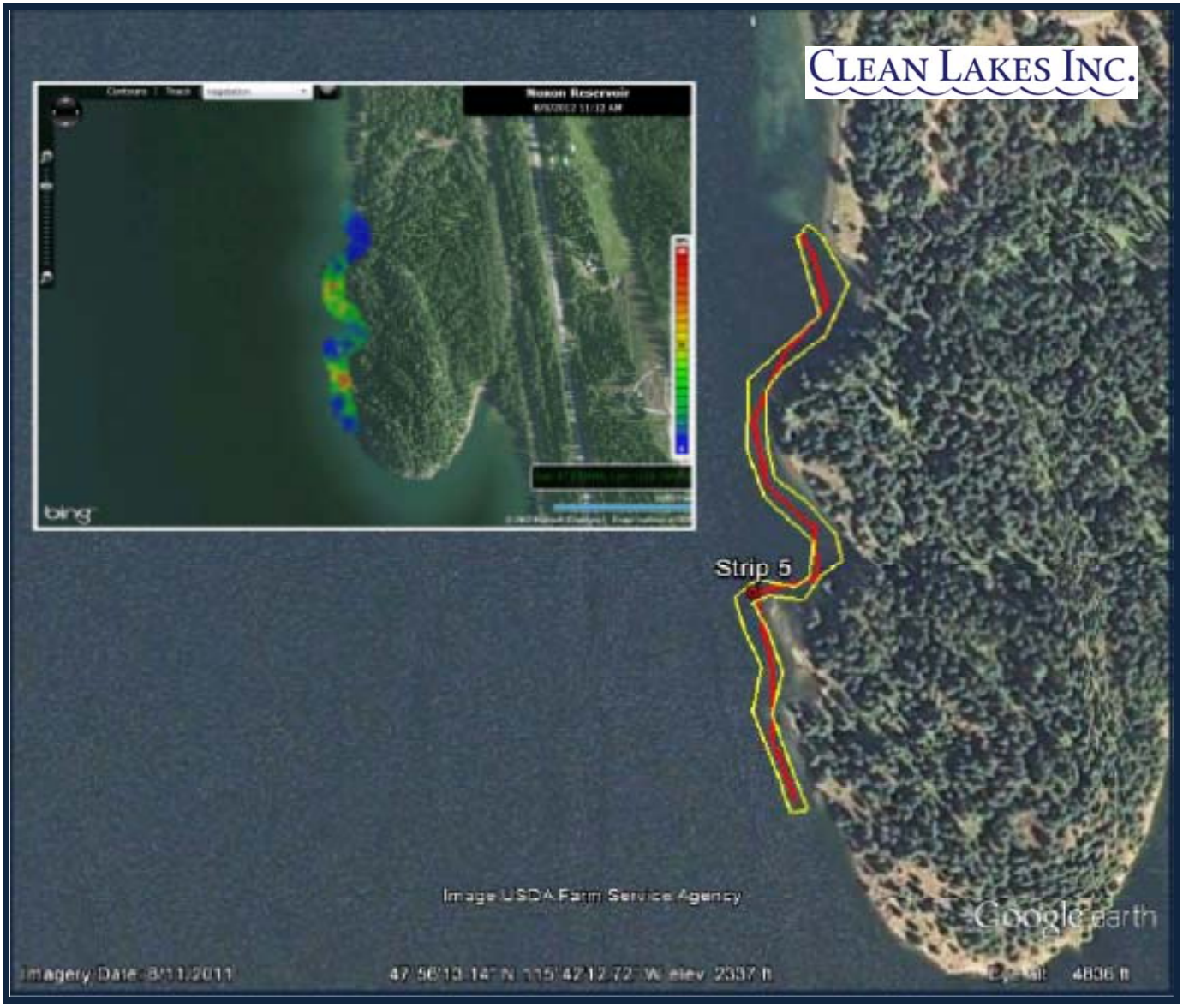
Strip Plot 5


CLEAN LAKES INC.
Noxon Reservoir
Strip 5
bing
Image USDA Farm Service Agency
Google earth
4836 ft

SAV PERCENT COVER AND BIO-VOLUME DATA SET
Strip Plot 5

Start Lat/Lon: 47.93486786, -115.70142365
End Lat/Lon: 47.93886948, -115.70146179

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/14/2012 5:43:02 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 4:40:23 PM
High Water Temp:	77.18° F
Low Water Temp:	75.81° F
Actual Area Covered:	6.9 acres
Actual Percent Covered:	0.09%
Actual Volume Covered:	88228.41 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/67df84ac-9e55-439c-927a-103bfb17f4a0/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	52.09%	41.99%	0.94-7.91 m	3.53 m	561.368 m	1006

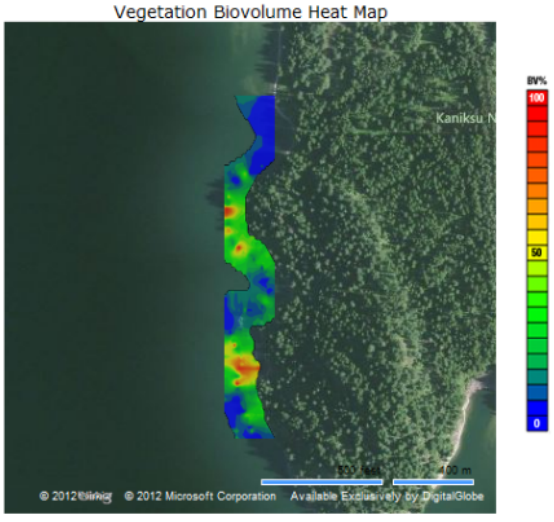
Additional Information

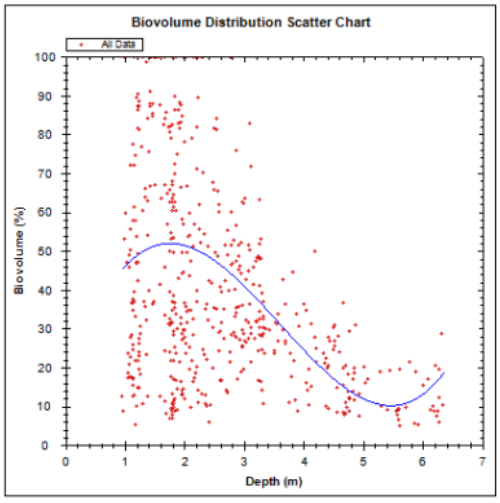
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	46.8%	13.3%	18.27%	8.22%	5.08%	8.32%

Vegetation Biovolume Heat Map





More Charts...

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Strip Plot 10

SAV PERCENT COVER AND BIO-VOLUME DATA SET
Strip Plot 10

Start Lat/Lon: 47.90556335, -115.69243622
End Lat/Lon: 47.90723801, -115.69145203

Noxon Reservoir
Sanders County
Montana

Gathered On:	8/14/2012 5:21:39 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 4:25:44 PM
High Water Temp:	76.51° F
Low Water Temp:	76.06° F
Actual Area Covered:	4.09 acres
Actual Percent Covered:	0.05%
Actual Volume Covered:	37148.41 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/2d0dfadc-f03f-4ff9-bf05-61877cde04a4/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	84.4%	66.72%	0.78-8.68 m	2.24 m	357.435 m	705

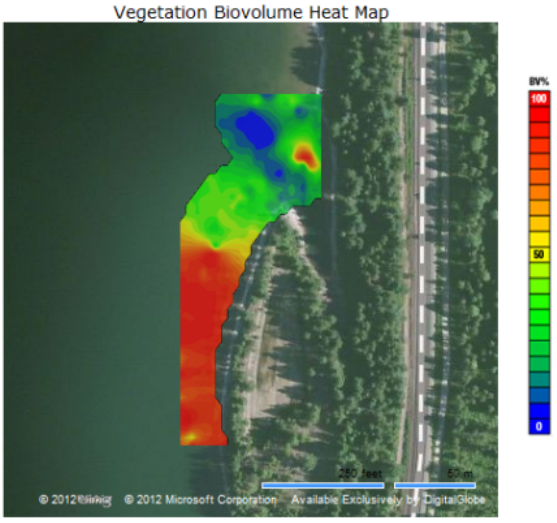
Additional Information

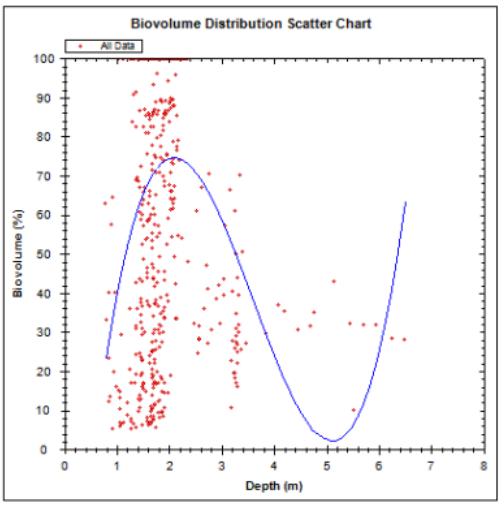
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	13.77%	12.75%	14.2%	7.83%	8.84%	42.61%

Vegetation Biovolume Heat Map





More Charts...

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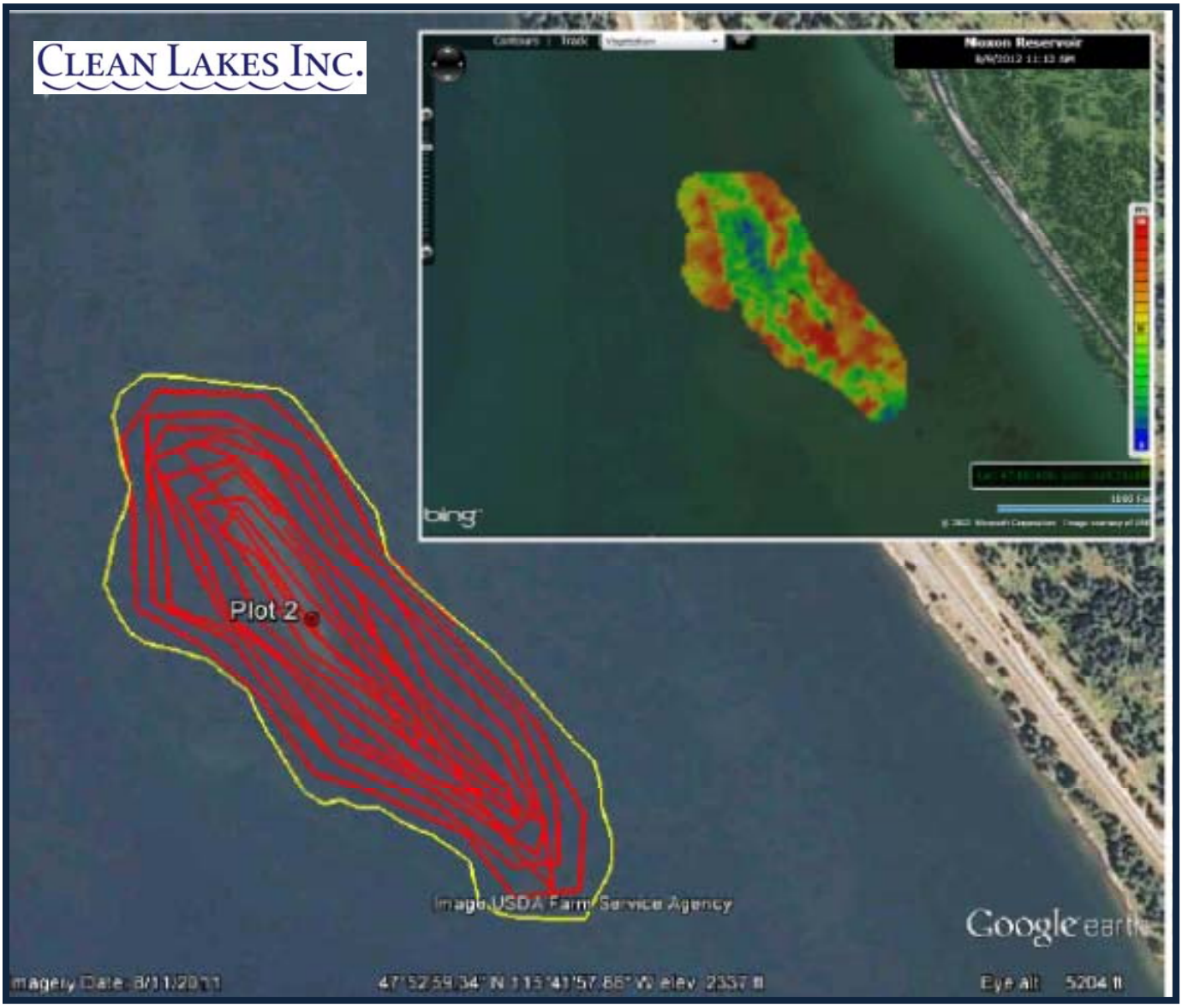
Block Plot 2


CLEAN LAKES INC.
Noxon Reservoir
bing
Plot 2
Image USDA Farm Service Agency
Google earth
Eye alt 5204 ft

SAV PERCENT COVER AND BIO-VOLUME DATA SET
Block Plot 2

cBIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/13/2012 8:57:39 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/15/2012 3:25:52 PM (UTC)

Survey Size
Area: 10.85 ha (26.80 acres)
Percent: 0.34% of waterbody
Volume: 187,943.00 cu. m (152.40 acre ft)

Average Water Temperature
23.36° C (74.05° F)

Location
Start: 47.88214493, -115.70071411
End: 47.88207245, -115.70374298

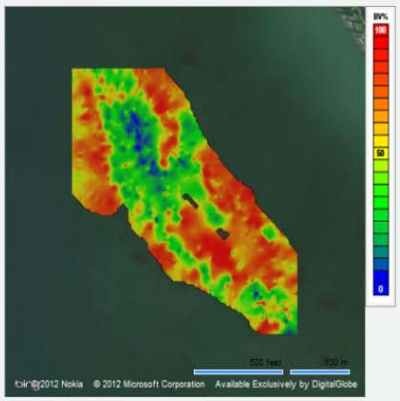
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	79.9%	56.2%	±28%	52.8%	±30.3%	0.37-4.16 m	1.52 m	7.45 km	5,005
	Grid	99.2%	57.3%	±22.5%	56.9%	±23%	0.35-3.96 m	1.59 m	-	3,797

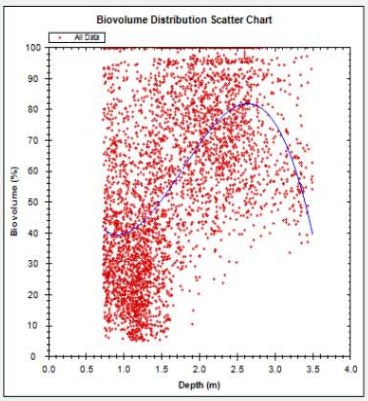
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	91.1%	65.4%	±21.1%	64.1%	±22.8%	0.75-4.16 m	2.47 m	647.06 m	549
	Grid	100%	65.5%	±18%	65.5%	±18%	0.73-3.96 m	2.27 m	-	1,069
2	Point	98.8%	66.9%	±25.6%	66.5%	±26.1%	0.6-3.05 m	1.9 m	594.69 m	495
	Grid	99.7%	63%	±20.8%	62.8%	±21%	0.51-3.57 m	1.8 m	-	1,118
3	Point	94.5%	66.4%	±25.2%	65.3%	±26.4%	0.48-3.71 m	1.77 m	1.21 km	1,011
	Grid	99.7%	59.9%	±20.2%	59.7%	±20.5%	0.35-3.88 m	1.66 m	-	2,020
4	Point	71.5%	53.2%	±27.1%	50.7%	±28.8%	0.37-2.74 m	1.29 m	2.52 km	1,664
	Grid	99.1%	56.5%	±22.9%	56%	±23.4%	0.35-3.63 m	1.39 m	-	2,532
5	Point	67.3%	37.8%	±26.6%	31.5%	±28%	0.37-2.52 m	1.08 m	2.47 km	1,286
	Grid	98.3%	49.4%	±24.5%	48.6%	±25.2%	0.35-2.89 m	1.11 m	-	1,739

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart

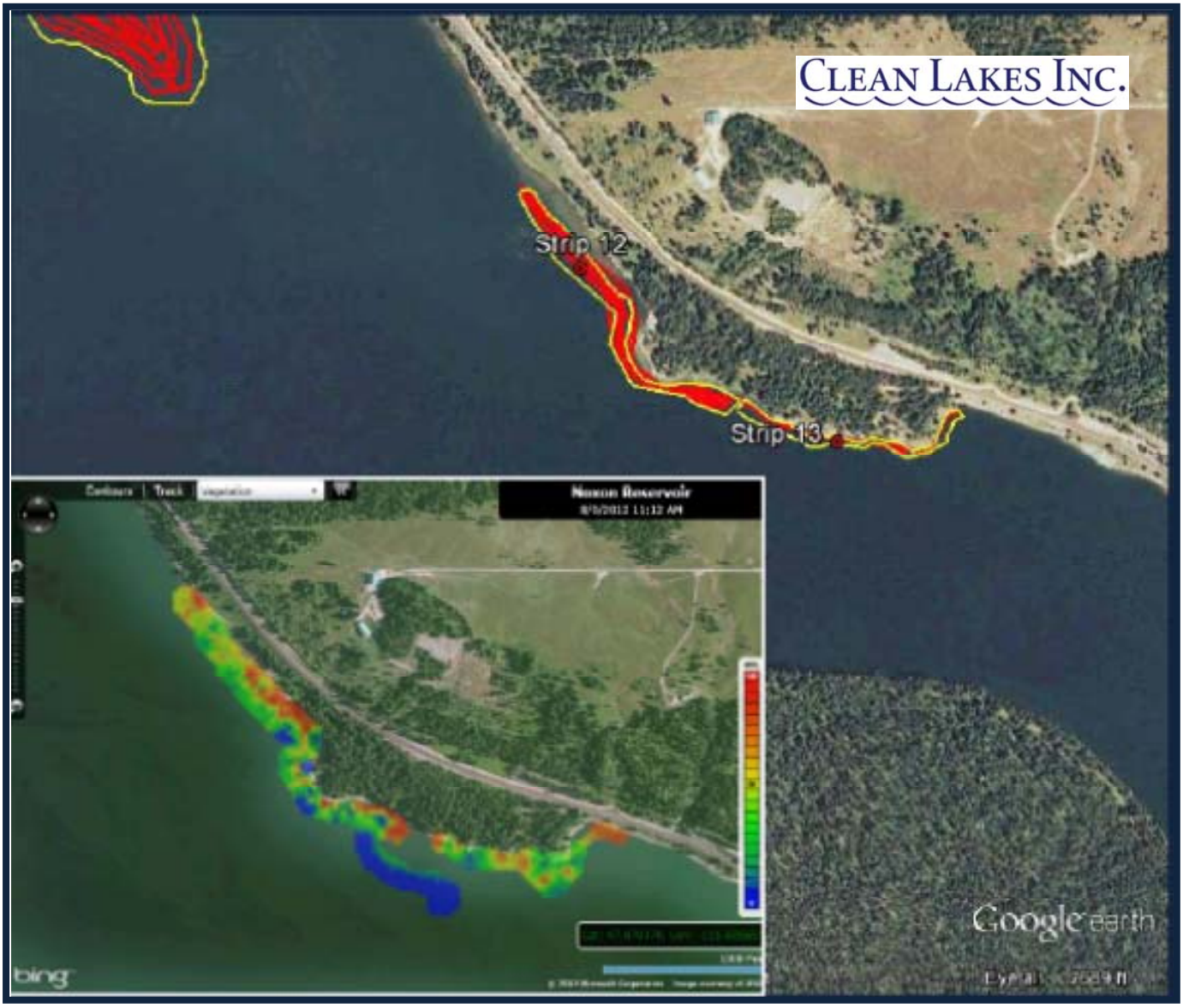


Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	1.96%	2.55%	9.22%	27.45%	32.94%	25.88%
2	0.61%	3.46%	13.62%	22.36%	25.61%	34.35%
3	1.65%	3.81%	14.42%	19.57%	25.03%	35.53%
4	4.65%	11.63%	23.66%	20.13%	19.57%	20.37%
5	16.57%	25.72%	28.71%	12.43%	7.42%	9.15%

Biovolume Analysis by Depth

Strips Plots 12 & 13



SAV PERCENT COVER AND BIO-VOLUME DATA SETS

Strip Plot 12

Start Lat/Lon: 47.87538147, -115.68750763
End Lat/Lon: 47.87889862, -115.69232941

Noxon Reservoir
Sanders County
Montana

Gathered On:	8/14/2012 4:06:08 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 5:55:13 PM
High Water Temp:	77.95° F
Low Water Temp:	76.06° F
Actual Area Covered:	10.78 acres
Actual Percent Covered:	0.14%
Actual Volume Covered:	95767.22 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/a3f1f083-f6f6-4d67-a4b3-2b6a70896b0e/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	78.11%	50.2%	0.38-4.58 m	2.1 m	3.914 km	2193

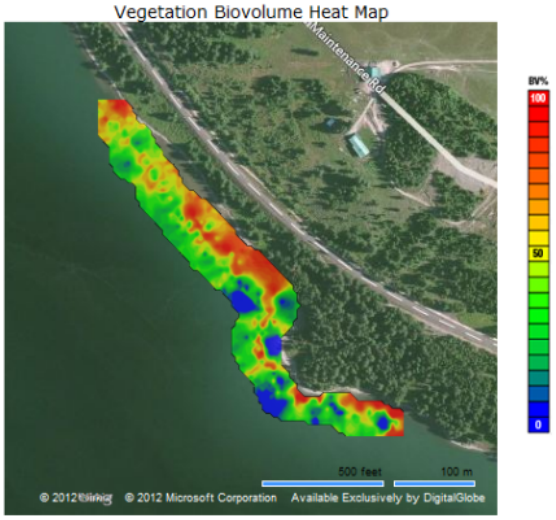
Additional Information

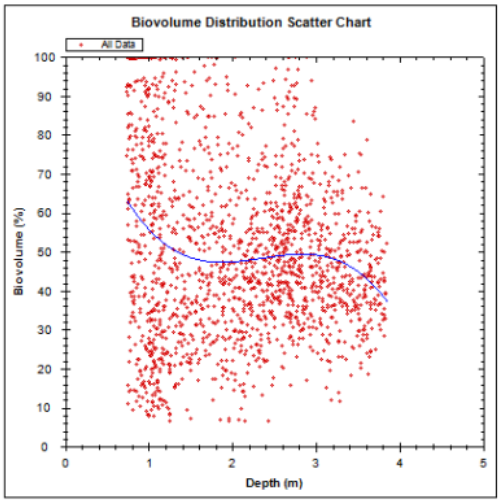
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	14.09%	5.62%	25.53%	29.84%	14.34%	10.58%

Vegetation Biovolume Heat Map





More Charts...

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Strip Plot 13

cBIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/13/2012 9:24:46 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/14/2012 9:51:31 PM (UTC)

Survey Size
Area: 3.67 ha (9.10 acres)
Percent: 0.12% of waterbody
Volume: 194,557.00 cu. m (157.70 acre ft)

Average Water Temperature
24.87° C (76.77° F)

Location
Start: 47.87535858, -115.6819458
End: 47.87498856, -115.68421173

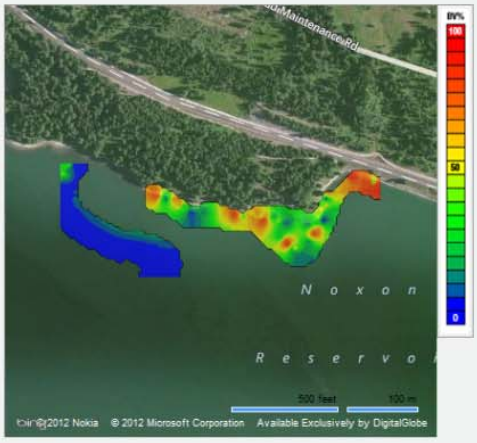
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	49.5%	52%	±29.5%	28.8%	±33.9%	0.4-14.1 m	5.23 m	979.36 m	1,197
	Grid	68%	41.5%	±23.4%	28.2%	±27.3%	0.01-14.39 m	5.3 m	-	1,097

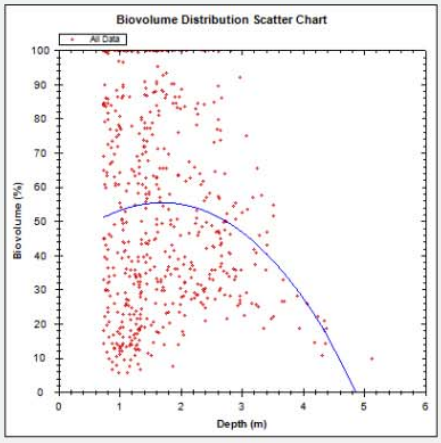
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	86.6%	53.8%	±29.9%	48.6%	±32.5%	0.64-4.31 m	1.75 m	220.24 m	322
	Grid	99.7%	51.2%	±21.8%	51%	±21.9%	0.03-4.28 m	1.57 m	-	315
2	Point	35.9%	50.4%	±29.2%	20.8%	±31.1%	0.4-14.1 m	6.51 m	759.12 m	875
	Grid	64.5%	37.4%	±20.8%	24.1%	±24.5%	0.01-14.39 m	5.72 m	-	989

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart

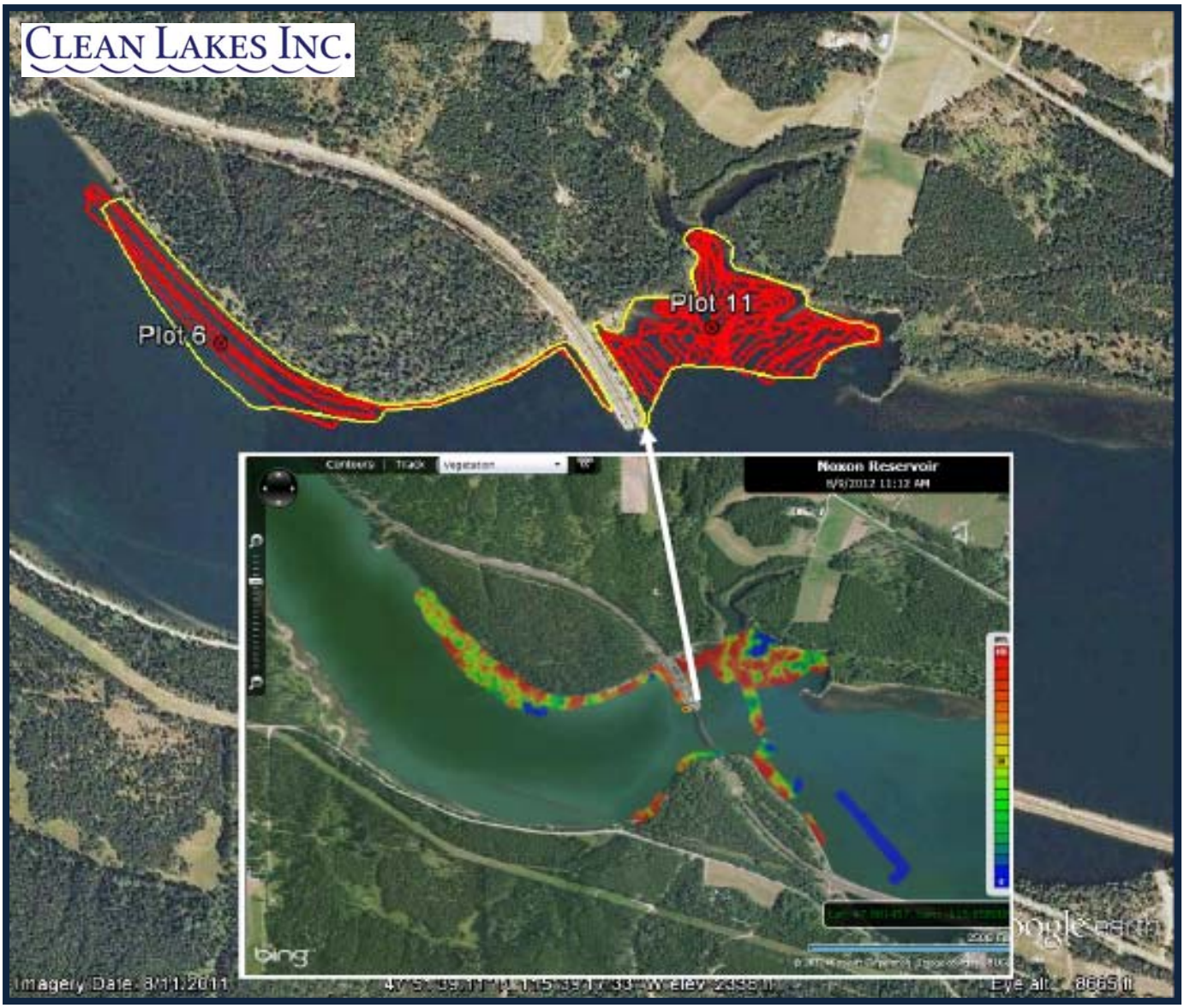


Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	9.71%	11.33%	28.8%	14.89%	11%	24.27%
2	58.74%	7.49%	10.38%	7.75%	6.7%	8.94%

Biovolume Analysis by Depth

Block Plots 6 & 11



SAV PERCENT COVER AND BIO-VOLUME DATA SETS
Block Plot 6

BIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/14/2012 1:07:35 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/9/2012 6:12:17 PM (UTC)

Survey Size
Area: 9.54 ha (23.60 acres)
Percent: 0.3% of waterbody
Volume: 135,847.00 cu. m (110.10 acre ft)

Average Water Temperature
25.35° C (77.63° F)

Location
Start: 47.86222839, -115.65416718
End: 47.8635788, -115.66334534

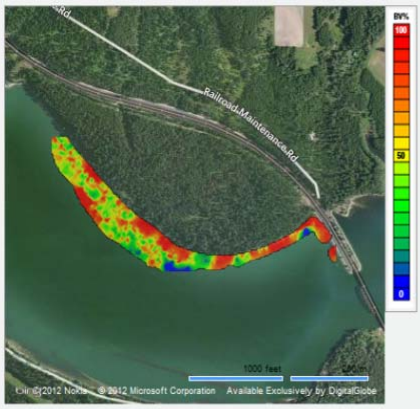
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	80.2%	59.5%	±26.5%	55.4%	±29.6%	0.36-6.1 m	1.41 m	7.1 km	2,419
	Grid	97.7%	62.1%	±23.6%	60.6%	±25.1%	0.01-6.09 m	1.32 m	-	3,242

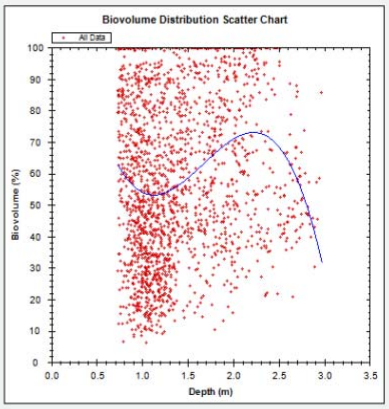
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	88.5%	70.9%	±24.3%	67.8%	±27.7%	0.37-3.14 m	1.52 m	594.29 m	227
	Grid	97.8%	70.1%	±25.3%	68.6%	±27.1%	0.02-2.85 m	1.19 m	-	681
2	Point	82.7%	59.4%	±25.9%	57.5%	±27.6%	0.39-2.79 m	1.13 m	1.16 km	452
	Grid	99.5%	61.1%	±21.5%	60.8%	±21.9%	0.01-4.24 m	1.08 m	-	1,537
3	Point	81.9%	51.9%	±22%	44.6%	±27.2%	0.54-6.1 m	1.92 m	945.56 m	596
	Grid	96%	53.9%	±20.5%	51.8%	±22.7%	0.38-6.09 m	1.64 m	-	1,459
4	Point	76.7%	61.1%	±28.2%	58.3%	±30.3%	0.36-2.74 m	1.24 m	2.79 km	1,144
	Grid	99.2%	61.3%	±23.5%	60.8%	±24%	0.01-5.08 m	1.18 m	-	2,717

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart



Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	4.29%	0.95%	10.48%	24.29%	20.95%	39.05%
2	3.36%	5.68%	20.93%	22.48%	21.19%	26.36%
3	13.93%	5.64%	22.4%	29.28%	16.23%	12.52%
4	4.57%	6.96%	19.48%	21.33%	15.67%	31.99%

Biovolume Analysis by Depth

AOI ?	Depth	Type ?	Count	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?

Block Plot 11

BIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/14/2012 1:07:58 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/9/2012 8:09:24 PM (UTC)

Survey Size
Area: 9.15 ha (22.60 acres)
Percent: 0.29% of waterbody
Volume: 209,816.00 cu. m (170.10 acre ft)

Average Water Temperature
26.08° C (78.94° F)

Location
Start: 47.86261749, -115.65352631
End: 47.86547089, -115.65237427

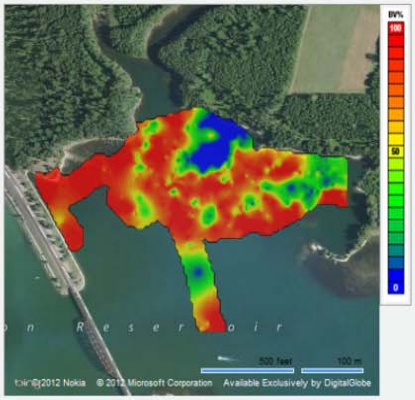
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	79.5%	69.9%	±26.7%	62.3%	±33.3%	0.37-8.14 m	2.66 m	6.09 km	3,387
	Grid	95%	70.6%	±25.5%	67%	±29.3%	0.02-7.89 m	2.3 m	-	3,051

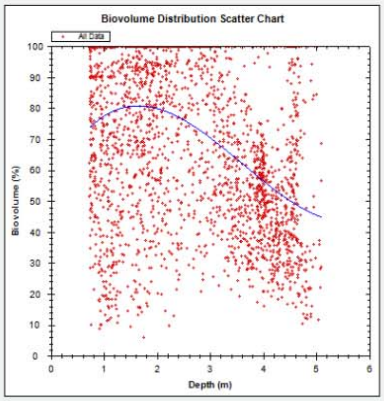
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	49.8%	84.6%	±21.6%	84%	±22.9%	0.37-1.82 m	0.86 m	503.55 m	247
	Grid	100%	86.7%	±15.8%	86.7%	±15.8%	0.03-5.48 m	0.96 m	-	580
2	Point	83.3%	65.9%	±29.1%	58%	±34.7%	0.41-5.74 m	2.83 m	1.41 km	586
	Grid	92.3%	67.4%	±28%	62.2%	±32.4%	0.02-6.03 m	2.26 m	-	1,342
3	Point	92.3%	76.6%	±24.6%	76.6%	±24.6%	0.48-4.21 m	2.84 m	99.41 m	52
	Grid	100%	73.7%	±17.7%	73.7%	±17.7%	0.47-4.04 m	2.13 m	-	221
4	Point	95.3%	90.9%	±13.1%	90.9%	±13.1%	0.59-5.4 m	2.5 m	286.2 m	129
	Grid	100%	73%	±21.8%	73%	±21.8%	0.51-5.48 m	2.3 m	-	346
5	Point	80.5%	68.5%	±26.1%	60.2%	±33.1%	0.41-8.14 m	2.81 m	3.34 km	2,373
	Grid	94.1%	65.7%	±26%	61.8%	±29.6%	0.04-7.89 m	2.66 m	-	2,272

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart

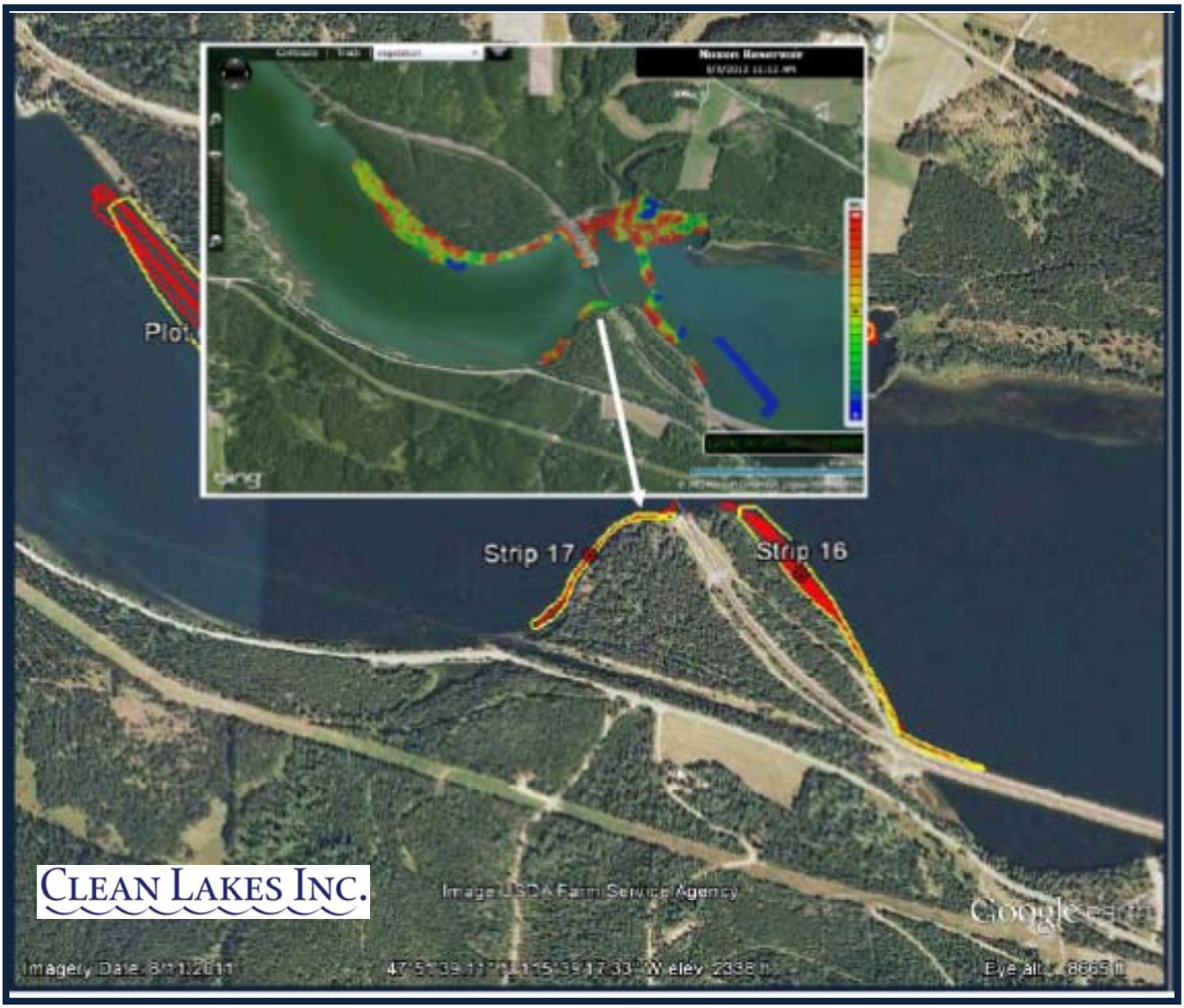


Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	0.81%	1.61%	2.42%	12.1%	11.29%	71.77%
2	11.91%	3.79%	20.58%	16.06%	11.91%	35.74%
3	0%	0%	6.25%	27.08%	14.58%	52.08%
4	0%	0%	0%	4.07%	13.82%	82.11%
5	12.06%	2.07%	13.35%	20.35%	16.85%	35.31%

Biovolume Analysis by Depth

Strip Plots 17 & 16



Strip Plot 16

cBIOBASE

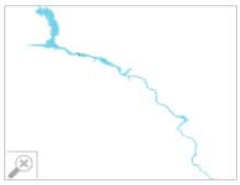
VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/14/2012 1:12:45 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link



Data Collector
Thomas McNabb

Data Collection Date
8/14/2012 5:00:54 PM (UTC)

Survey Size
Area: 6.50 ha (16.10 acres)
Percent: 0.2% of waterbody
Volume: 494,627.00 cu. m (401.00 acre ft)

Average Water Temperature
24.34° C (75.82° F)

Location
Start: 47.86074448, -115.65137482
End: 47.85736084, -115.64719391

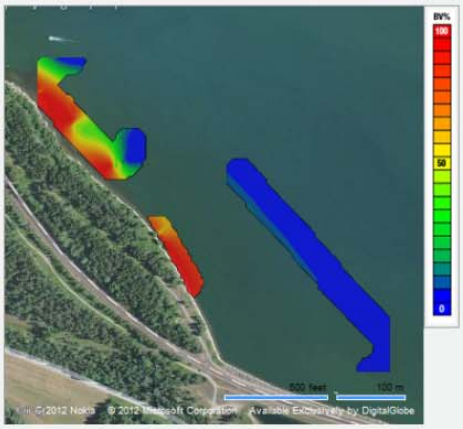
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	13.7%	81.8%	±27.8%	17.7%	±36.1%	0.39-17.32 m	7.48 m	1.7 km	797
	Grid	50.4%	58.5%	±33.5%	29.5%	±37.7%	0.02-14.29 m	6.49 m	-	1,373

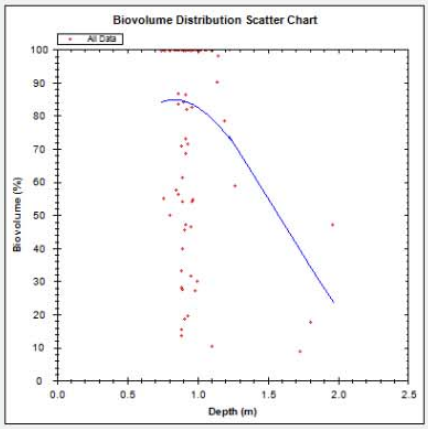
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	73.7%	77.5%	±28.9%	77.5%	±28.9%	0.44-0.99 m	0.83 m	439.87 m	38
	Grid	100%	85.4%	±12.5%	85.4%	±12.5%	0.26-3.2 m	1.54 m	-	152
2	Point	10.8%	83.2%	±27.4%	14%	±33.1%	0.39-17.32 m	8.02 m	1.02 km	738
	Grid	44.4%	51%	±33.6%	22.6%	±33.8%	0.02-14.29 m	7.1 m	-	1,224
3	Point	4.8%	99.9%	±0%	99.9%	±0%	0.39-0.74 m	0.57 m	240.37 m	21
	Grid	100%	82.7%	±12.2%	82.7%	±12.2%	0.27-2.42 m	1.39 m	-	54

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart



Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	0%	7.14%	10.71%	10.71%	14.29%	57.14%
2	83.19%	1.05%	0.84%	1.89%	0.63%	12.39%

Biovolume Analysis by Depth

Strip Plot 17

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/15/2012 9:46:47 AM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 5:18:20 PM
High Water Temp:	74.62° F
Low Water Temp:	74.44° F
Actual Area Covered:	3.15 acres
Actual Percent Covered:	0.04%
Actual Volume Covered:	23017.55 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Start Lat/Lon: 47.85865784, -115.65647125
End Lat/Lon: 47.8608017, -115.65287018

Report URL:
http://files1.contourinnovations.com/ReportOutput/fa970910-20b6-4b6f-9949-0400f3bc5bad/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	80.66%	48.06%	0.44-12.98 m	1.74 m	421.597 m	305

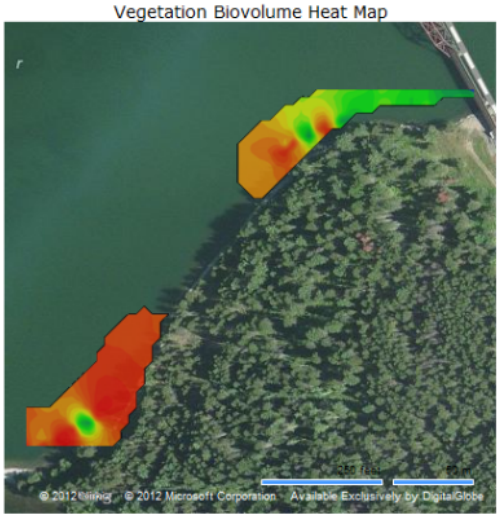
Additional Information

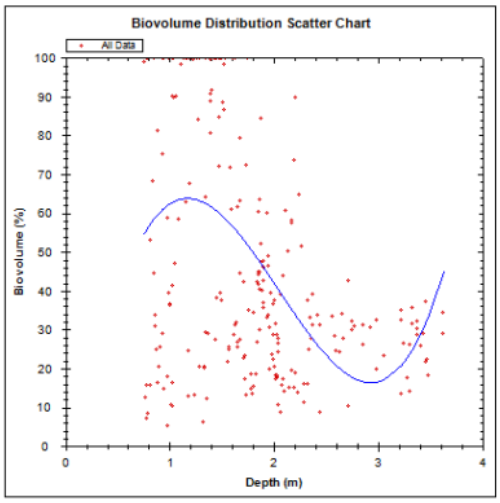
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	7.52%	18.42%	33.83%	10.53%	6.77%	22.93%

Vegetation Biovolume Heat Map





More Charts...

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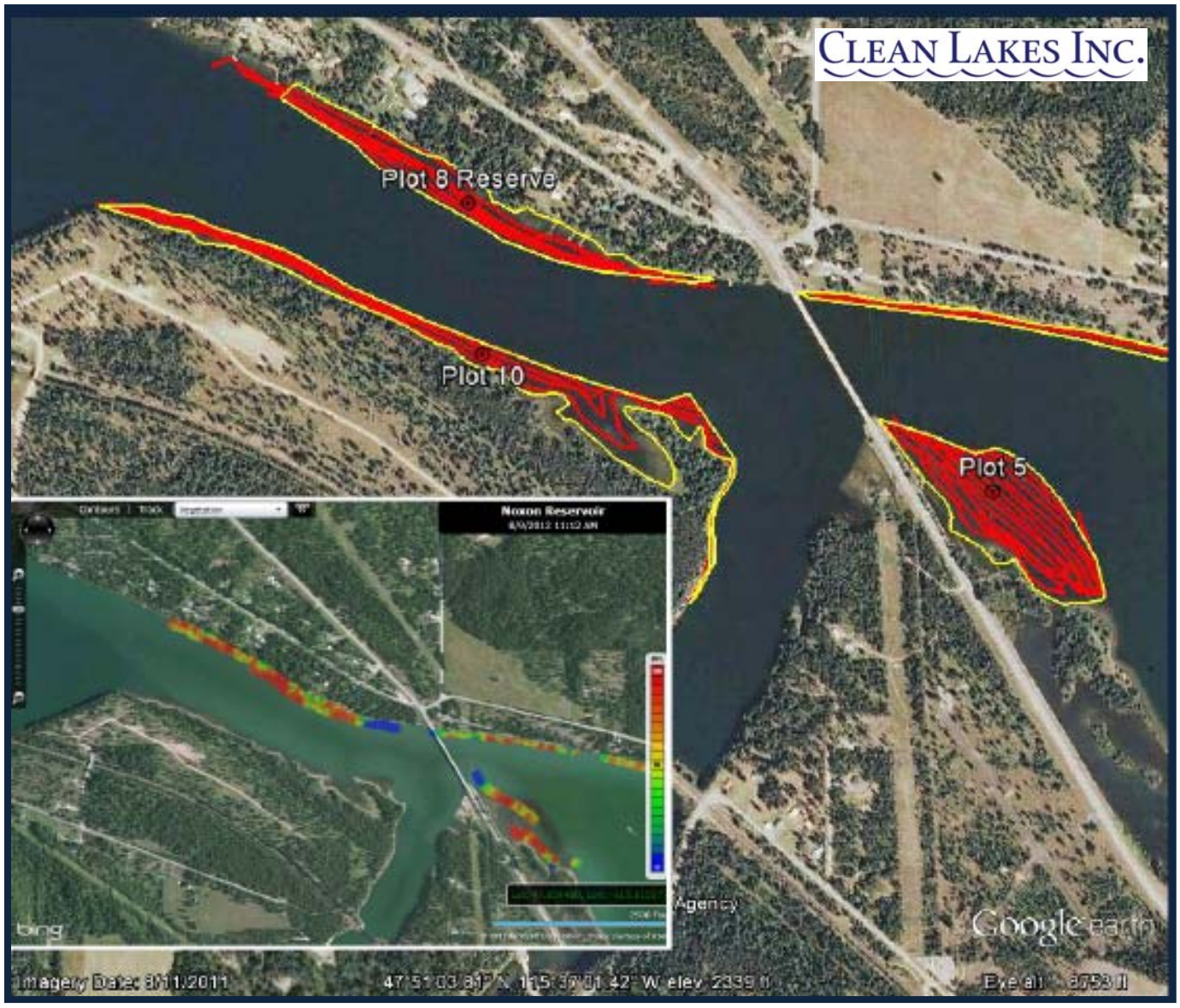
Block Plots 8, 10 & 5



Block Plot 8

Start Lat/Lon: 47.8549118, -115.61432648
End Lat/Lon: 47.85787582, -115.62374115

Noxon Reservoir
Sanders County
Montana

Gathered On:	8/15/2012 4:34:16 PM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 10:11:02 PM
High Water Temp:	79.02° F
Low Water Temp:	74.66° F
Actual Area Covered:	15.29 acres
Actual Percent Covered:	0.2%
Actual Volume Covered:	126767.18 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/cc91cbf6-532b-4f48-94cc-a57f78c8cd81/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	72.92%	72.26%	0.42-13.89 m	1.6 m	1.328 km	853
Transect 2	95.65%	69.05%	1.05-1.48 m	1.2 m	69.911 m	23
Transect 3	78.61%	81.74%	0.44-16.83 m	3.29 m	661.855 m	346

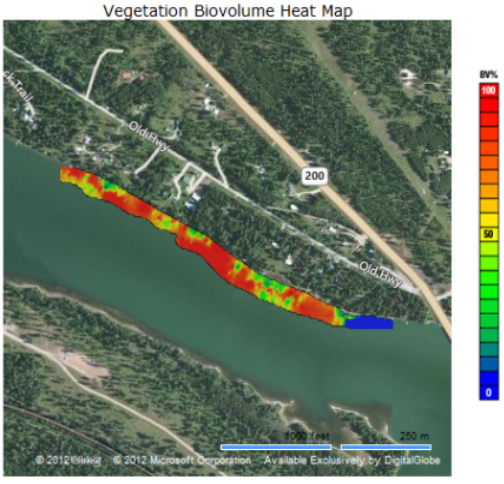
Additional Information

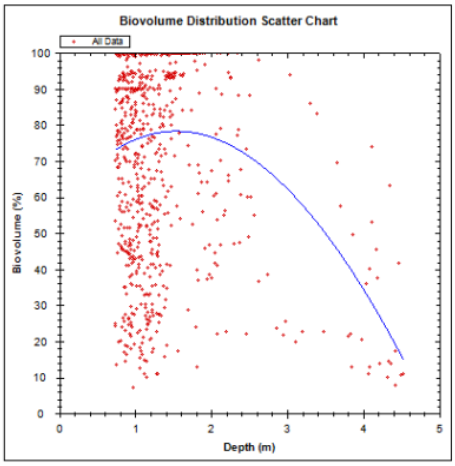
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	13.01%	4.9%	9.65%	14.27%	13.43%	44.76%
Transect 2	0%	18.18%	4.55%	9.09%	13.64%	54.55%
Transect 3	17.07%	0.61%	8.54%	8.84%	10.06%	54.88%

Vegetation Biovolume Heat Map





More Charts...

Legal

Block Plot 10

Block 10 SAV Percent Cover and Bio-Volume Data Not Available Data Collection Error Due to Submerged Aquatic Vegetation Tangled on the Transducer Creating an Invalid Data Set

Block Plot 5

cBIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/15/2012 12:22:28 AM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/13/2012 8:30:56 PM (UTC)

Survey Size
Area: 5.88 ha (14.50 acres)
Percent: 0.19% of waterbody
Volume: 132,716.00 cu. m (107.60 acre ft)

Average Water Temperature
27.09° C (80.75° F)

Location
Start: 47.85009766, -115.60575867
End: 47.85162354, -115.60794067

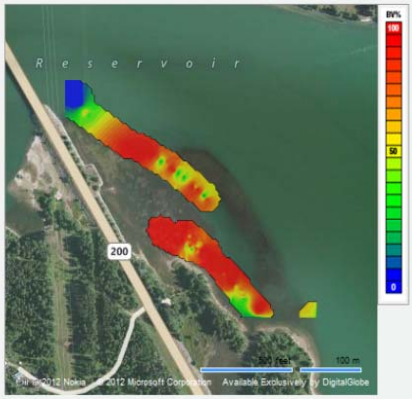
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	50.3%	74.8%	±31%	67.3%	±37%	0.38-27.22 m	1.7 m	2.3 km	784
	Grid	94.7%	74.1%	±23.1%	70.2%	±27.9%	0.04-27.53 m	2.74 m	-	1,155

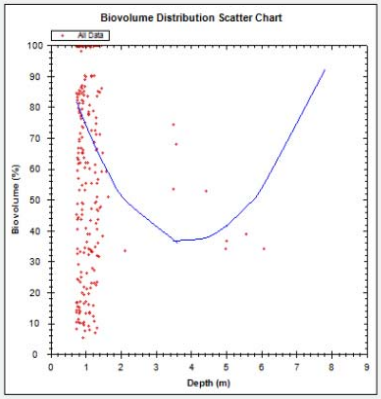
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	48%	79.6%	±29.4%	78.3%	±30.8%	0.39-1.64 m	0.75 m	279.26 m	394
	Grid	100%	83.3%	±20.5%	83.3%	±20.5%	0.04-1.39 m	0.7 m	-	474
2	Point	54.2%	88.6%	±22.1%	85.9%	±26.6%	0.38-1.13 m	0.75 m	234.94 m	118
	Grid	100%	89%	±12.8%	89%	±12.8%	0.2-1.46 m	0.73 m	-	229
3	Point	28.6%	68.7%	±31.6%	31.7%	±40.4%	0.7-26.57 m	13.7 m	128.3 m	21
	Grid	81%	64.5%	±27.9%	52.2%	±35.7%	0.06-27.53 m	7.57 m	-	294
4	Point	65.8%	63%	±32.8%	59.6%	±34.9%	0.45-1.42 m	0.91 m	153.35 m	190
	Grid	100%	73.5%	±17.4%	73.5%	±17.4%	0.46-3.06 m	1.06 m	-	350
5	Point	18.2%	48.1%	±16.1%	13.8%	±23.4%	0.45-27.22 m	8.9 m	594.02 m	55
	Grid	76.4%	54.4%	±21.9%	41.6%	±30%	0.46-27.53 m	7.62 m	-	259

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart

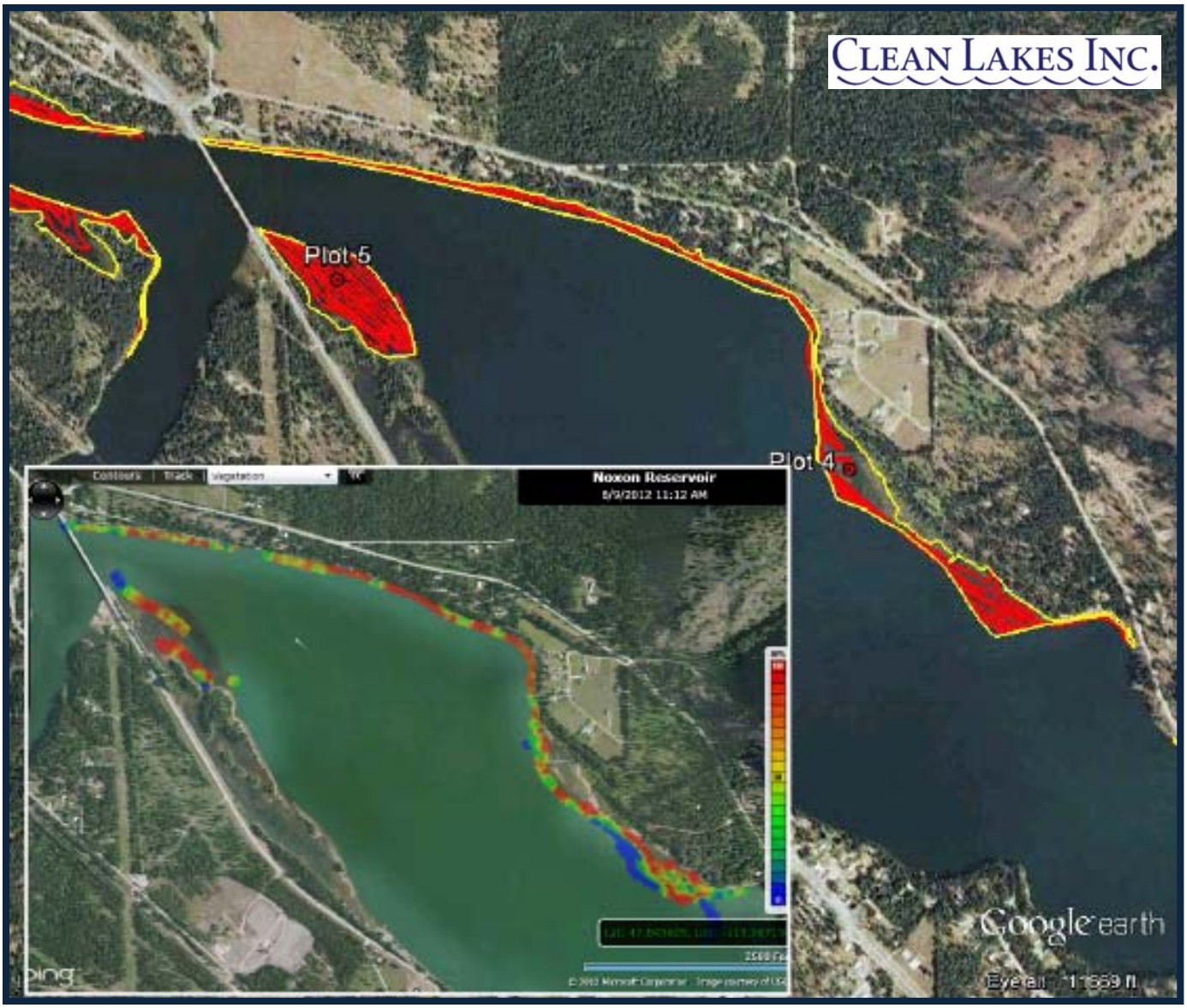


Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	1.56%	8.33%	6.25%	8.85%	11.98%	63.02%
2	3.03%	4.55%	0%	6.06%	4.55%	81.82%
3	53.85%	0%	15.38%	7.69%	0%	23.08%
4	5.3%	12.88%	17.42%	11.36%	14.39%	38.64%
5	71.43%	0%	14.29%	5.71%	8.57%	0%

Biovolume Analysis by Depth

Block Plot 4


CLEAN LAKES INC.
Plot 5
Plot 4
Noxon Reservoir
8/9/2012 11:12 AM
Google earth

Block Plot 4

BIOBASE

VEGETATION ANALYSIS REPORT

Noxon Reservoir, Sanders County Montana

Generated: 9/14/2012 1:21:45 PM (UTC)

Waterbody Size: 3,172.43 ha *(7,839.20 acres)*

report link

Data Collector
Thomas McNabb

Data Collection Date
8/13/2012 4:17:38 PM (UTC)

Survey Size
Area: 16.36 ha (40.40 acres)
Percent: 0.52% of waterbody
Volume: 698,584.00 cu. m (566.40 acre ft)

Average Water Temperature
24.97° C (76.95° F)

Location
Start: 47.84294128, -115.58081818
End: 47.854702, -115.61169434

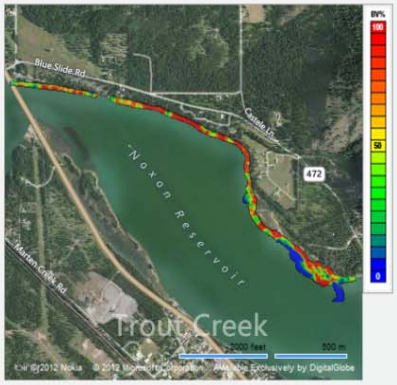
Survey Summary

	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
Full Survey	Point	55.8%	62.6%	±30.1%	52.7%	±35.8%	0.34-110.67 m	1.94 m	9.61 km	4,190
	Grid	86.1%	64.8%	±27.4%	55.8%	±33.9%	0-87.12 m	3.91 m	-	5,347

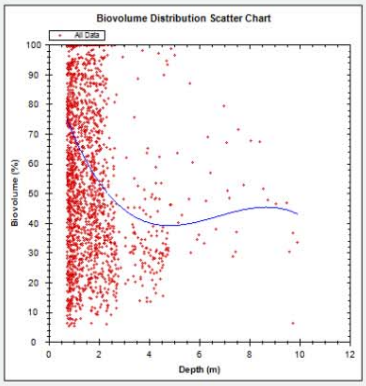
Area of Interest Summary

AOI ?	Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Avg Depth	Distance	No. Points
1	Point	65.5%	73.1%	±27.7%	68.5%	±32.1%	0.38-4.08 m	1.18 m	2.98 km	1,429
	Grid	97.2%	72.8%	±23.9%	70.8%	±26.5%	0.01-87.12 m	1.76 m	-	3,066
2	Point	56.8%	51.5%	±30.9%	42.2%	±34.3%	0.39-5.48 m	1.69 m	1.16 km	660
	Grid	90.7%	58.7%	±27.9%	53.2%	±31.6%	0.01-58.66 m	2.23 m	-	1,943
3	Point	85.5%	53.8%	±25.6%	49.1%	±28.8%	0.47-3.68 m	1.45 m	1.59 km	567
	Grid	99.4%	64.5%	±22.7%	64.1%	±23.2%	0-3.81 m	1.34 m	-	1,175
4	Point	37.5%	55.9%	±29.9%	37.9%	±35.9%	0.35-5.31 m	1.84 m	242.87 m	275
	Grid	91.9%	54.2%	±27%	49.8%	±29.8%	0.09-5.12 m	2.37 m	-	358
5	Point	29.4%	55.7%	±27.4%	49.2%	±31.4%	0.38-8.12 m	2.22 m	65.33 m	51
	Grid	92.6%	74.9%	±29.6%	69.4%	±34.5%	0.01-7.45 m	2.31 m	-	163
6	Point	9.8%	99.9%	±0%	99.9%	±0%	0.34-110.67 m	1.46 m	110.95 m	112
	Grid	97.5%	70.9%	±23.2%	69.2%	±25.4%	0.04-87.12 m	7.24 m	-	201
7	Point	37.6%	59.9%	±31.3%	40.6%	±38%	0.37-28.69 m	3.39 m	2.75 km	1,096
	Grid	68.9%	59.7%	±28.9%	41.1%	±36.6%	0.01-87.12 m	7.3 m	-	2,034

Vegetation Biovolume Heat Map



Biovolume Distribution Scatter Chart



Biovolume Analysis by Quantity

AOI ?	0-5%	5-20%	20-40%	40-60%	60-80%	>80%
1	6.21%	3.01%	13.73%	14.03%	15.53%	47.49%
2	18.12%	10.92%	29.69%	13.76%	6.33%	21.18%
3	8.66%	8.1%	22.41%	26.37%	16.2%	18.27%
4	32.24%	2.63%	26.97%	11.84%	6.58%	19.74%
5	11.76%	0%	47.06%	11.76%	5.88%	23.53%
6	32.24%	9.87%	10.86%	14.14%	9.87%	23.03%

Biovolume Analysis by Depth

Strip Plot 14

Strip Plot 14

Start Lat/Lon: 47.83223343, -115.55954742
End Lat/Lon: 47.83320236, -115.56123352

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/14/2012 11:01:47 AM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 3:41:41 PM
High Water Temp:	75.06° F
Low Water Temp:	74.65° F
Actual Area Covered:	8.41 acres
Actual Percent Covered:	0.11%
Actual Volume Covered:	57937.96 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/54453e3d-9591-4fdb-9817-297ed5d9886a/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	53.85%	55.08%	0.41-16.56 m	5.81 m	137.732 m	143
Transect 2	76.98%	61.97%	0.37-2.67 m	1.16 m	1.029 km	582

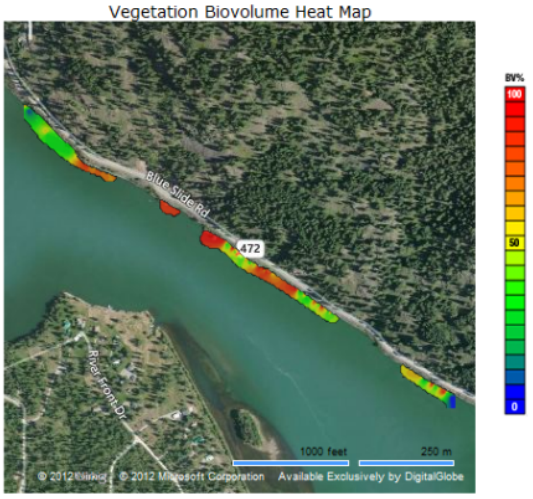
Additional Information

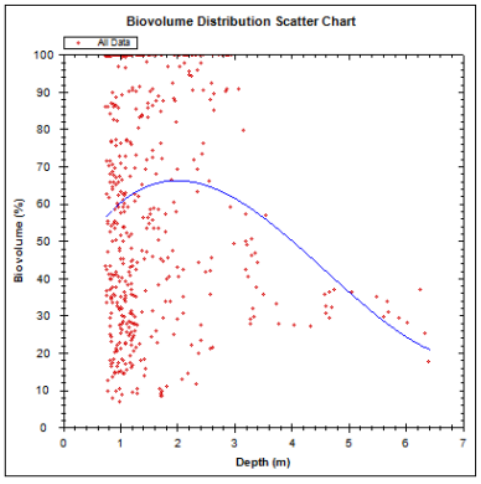
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	36.36%	1.65%	26.45%	14.05%	4.13%	17.36%
Transect 2	7.63%	9.48%	20.41%	15.26%	11.96%	35.26%

Vegetation Biovolume Heat Map





More Charts...

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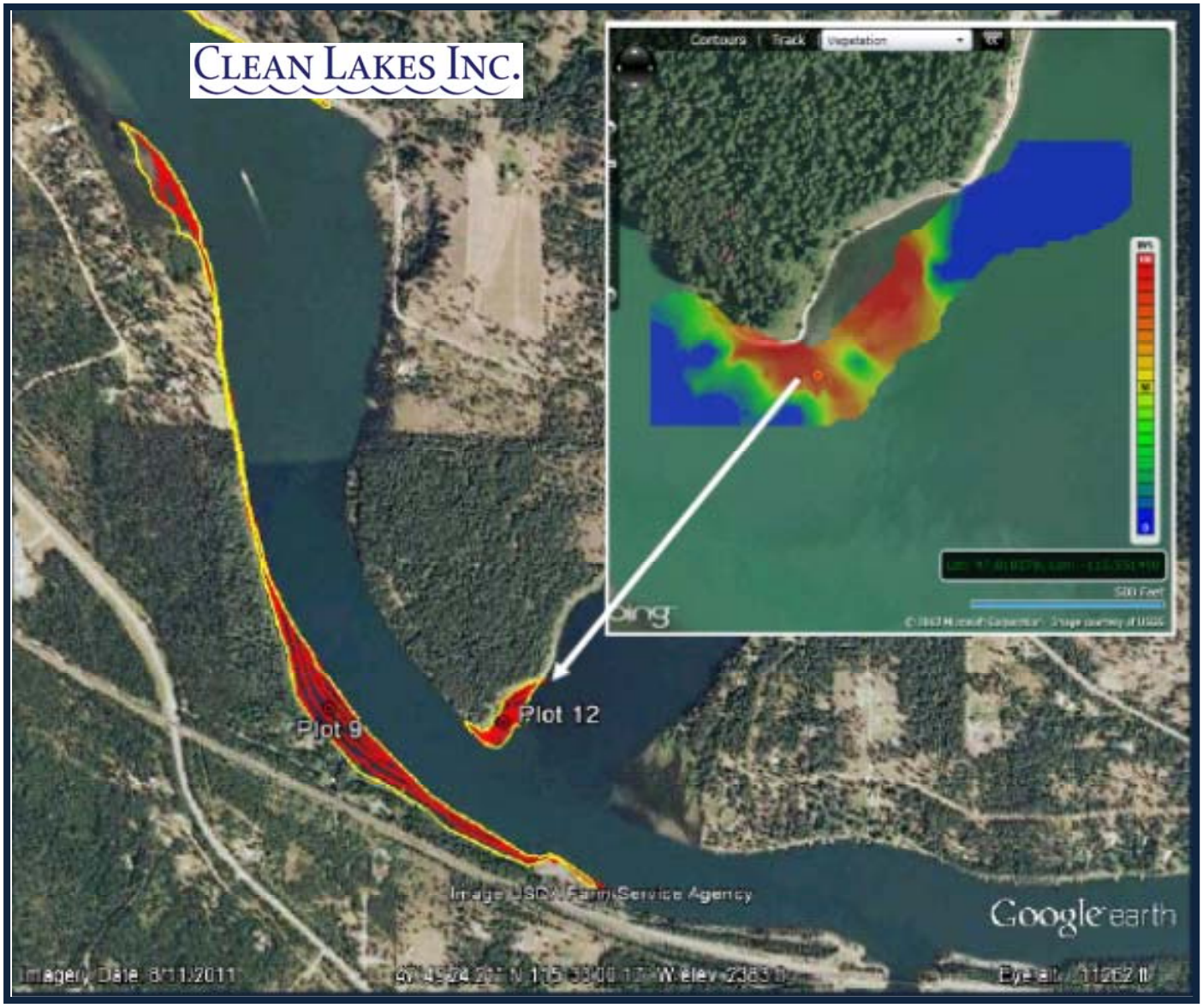
Block Plot 9 & 12



Block Plot 9

Block 9 SAV Percent Cover and Bio-Volume Data Not Available Collection Error Due to Submerged Aquatic Vegetation Tangled on the Transducer Creating an Invalid Data Set

Block Plot 12

Start Lat/Lon: 47.81753922, -115.5538559
End Lat/Lon: 47.81910324, -115.55052185

Noxon Reservoir
Sanders County
Montana

cBIOBASE

Gathered On:	8/14/2012 9:19:52 AM
Gathered By:	Thomas McNabb
Report Generated On:	9/5/2012 2:52:20 PM
High Water Temp:	72.97° F
Low Water Temp:	72.63° F
Actual Area Covered:	9.68 acres
Actual Percent Covered:	0.12%
Actual Volume Covered:	490054 cu. m
Total Waterbody Acreage:	7839.25 acres
Additional Links:	View Sonar Recording View More Statistics

Report URL:
http://files1.contourinnovations.com/ReportOutput/11d3369d-f32e-494c-98be-02bd2f1953aa/report.htm

Transect Summary

	PAC	Average BV	Depth Range	Average Depth	Distance	No. Points
Transect 1	31.84%	54.2%	0.41-36.04 m	12.24 m	2.272 km	1294

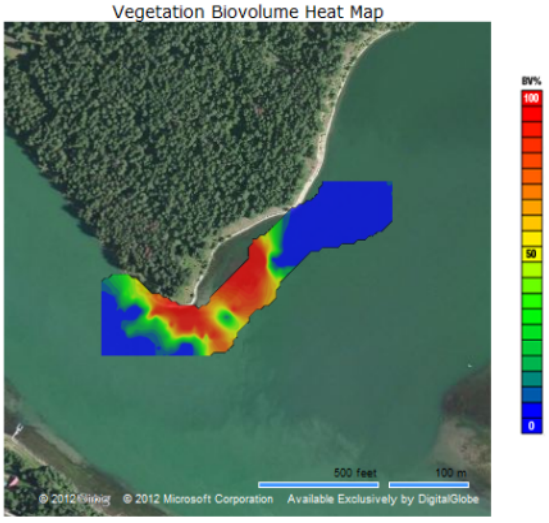
Additional Information

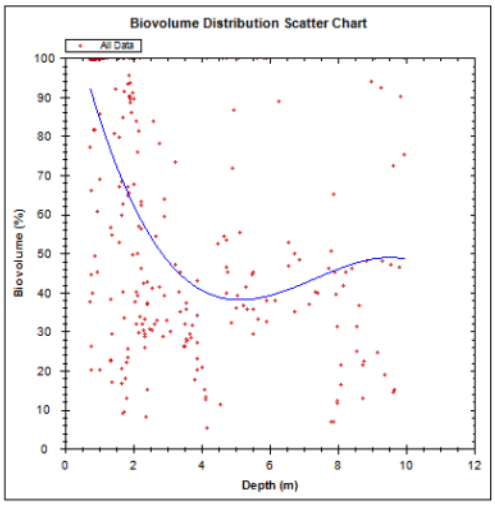
No additional information

Biovolume Analysis

	0% - 5%	5% - 20%	20% - 40%	40% - 60%	60% - 80%	>80%
Transect 1	63.05%	6.01%	11.12%	5.47%	2.24%	12.11%

Vegetation Biovolume Heat Map



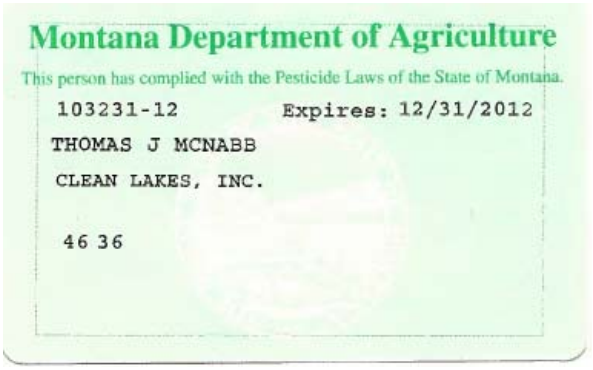


More Charts...

Legal

LIST OF PROJECT PERSONNEL

PROJECT DIRECTOR:


Montana Department of Agriculture
This person has complied with the Pesticide Laws of the State of Montana.
103231-12 Expires: 12/31/2012
THOMAS J MCNABB
CLEAN LAKES, INC.
46 36

Thomas J. McNabb
Montana Licensed Applicator
Applicators License No. 103231-12
Cell Phone: 208-929-2748
Email: tmcnabb@cleanlake.com

PROJECT MANAGER


Montana Department of Agriculture
This person has complied with the Pesticide Laws of the State of Montana.
103230-12 Expires: 12/31/2012
THOMAS G MOORHOUSE
CLEAN LAKES, INC.
36

Thomas G. Moorhouse
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Cell Phone: 208-929-2757
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SITE SAFETY AND HEALTH OFFICER: Thomas G. Moorhouse
Cell Phone: 208-929-2757

ALTERNATE SITE SAFETY OFFICER: Thomas J. McNabb
Cell Phone: 208-929-2748

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Cell Phone: 208-929-2748

ALTERNATE EMERGENCY COORDINATOR: Thomas G. Moorhouse
Cell Phone: 208-929-2757

MSU EXTENSION John Halpop
Phone: 406-827-6934
Email: john.halpop@montana.edu

END OF AQUATIC PESTICIDE APPLICATION REPORT