#### **General Project Information**

Project ID:	NKE1							
Name:	Balsam Branch PWS Plan - Nine Key Element Plan							
Туре:	Water Quality Planning							
Subtype:	Priority Watershed Plan							
Status:	COMPLETE	Ξ						
Start Date:	4/1/1995							
End Date:	12/31/2016							
Purpose:	The Balsam the impleme ecosystem	The Balsam Branch Priority Watershed Project plan examines the sources of nonpoint pollution in the watershed and guides the implementation of pollution control measures. The goal of the plan is to protect, maintain, and enhance the aquatic acosystem of the watershed.						
	The major land use in the watershed is agriculture. Therefore, agricultural runoff is a significant concern. However, most of the lake shoreline is developed, and as seasonal homes are converted to permanent homes, pollutants from residential sources will increase. Village residents also contribute their share of pollution through stormwater runoff that drains to a stream or lake. Some residents of the watershed have already adopted best management practices (BMPs), such as conservation tillage and lakeshore buffer strips, that protect water quality. However, for the watershed project to be successful, many more residents and visitors to the watershed will need to mindful of such practices.							
Objective:	Polk County	/ Land and Water C	Conservation De	epartment.				
	The Balsam Branch Watershed contains several high value recreational lakes that are developed with lakeshore homes, parks, and resorts. The watershed's proximity to the Twin Cities (Minneapolis - St. Paul, Minnesota) makes it a target for continued development and urbanization pressure. Lake fertility ranges from mesotrophic to highly eutrophic. Mesotrophic lakes have moderate nutrient levels and productivity, while eutrophic lakes have higher nutrient levels and are very productive with high concentrations of aquatic plants and algae. As plants and algae die back, the deeper waters of highly eutrophic lakes become depleted of oxygen and cold-water fish may die. The streams of the watershed are mostly tributary to one of the lakes. Streams in this watershed are low gradient and have large areas of associated wetlands. There do not appear to be many widespread nonpoint source related problems on these streams, however, there are site specific problems which can be addressed through this project. Runoff from eroding croplands and livestock operations is the major source of nonpoint pollution in the watershed.							
Comments:	SC05_0703000508_2016_online location looks different than website location needs review.							
Outcome:	The control measures are designed to protect, maintain, and enhance the aquatic ecosystem of the watershed.							
	Sources of nonpoint pollution found in this watershed include: cropland, streambanks, gullies, construction sites, livestock manure, lakeshore property, urban land, and septic systems. These sources contribute sediment, nutrients, toxins, and organic matter to the water. The purpose of this project is to reduce the amount of pollutants originating from these sources, thereby reducing the amount of pollution reaching surface water and groundwater in the project area.							
Study Design:								
QA Measures:								
People								
Name		Role	Status	Start Date	End Date	Organization	Comments	
Helmuth, Lisa D	)	COORDINATOR	INACTIVE	4/1/1995	12/31/2016	Wisconsin DNR		

### **Project Statuses**

# Wisconsin Department of Natural Resources SWIMS Project Summary

Reported	ΙВу		Status		Comment	S			
Lisa Helm	nuth		Complete						
Action			Detailed Description			Start Date	End Date	Status	
Monitor Watershed T (Status,Sources,Impairments) p			The Balsam Branch Priority Watershed Project plan examines the sources of nonpoint pollution in the watershed and guides the implementation of pollution control measures.			4/1/1995	12/31/2016	COMPLETE	
nt Plan		- F i - a V C C r i i C C I S	The Balsam Branch P plan examines the sor pollution in the waters implementation of poll The goal of the plan is and enhance the aqua watershed. The contro designed to meet this nonpoint pollution fou- include: cropland, stre construction sites, live lakeshore property, un systems.	Priority Waters urces of nonpo- shed and guide lution control r s to protect, m atic ecosystem ol measures a goal. Sources nd in this wate eambanks, gul estock manure rban land, and	ned Project pint es the neasures. aintain, n of the re of of rshed lies, , septic	4/1/1995	12/31/2016	COMPLETE	
arameter			Value/Amount		Units	Comments			
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otal Suspe	ended Soli	ds	Y		Y/N				
Nine Key Element Plan			The Balsam Branch Priority Watershed Project plan examines the sources of nonpoint pollution in the watershed and guides the implementation of pollution control measures.			t 4/1/1995	12/31/2016	COMPLETE	
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Station ID Name Comments									
Inits									
Segment Loca			l Name (			Official Name			
1		Balsam Lake Balsam Lake							
Codes									
Account Code Description						Start Date	End Date		
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	Reported   Lisa Helm   Lisa Helm   arameter   ations   ations   ations   1   2000 Seg	Reported By   Lisa Helmuth   Lisa Helmuth	Reported By         Isa Helmuth         Isa Helmuth	Reported By       Status         _isa Helmuth       Complete         _isa Helmuth       Detailed Description         ad       The Balsam Branch F         mpairments)       plan examines the so pollution in the waters implementation of pol         at Plan       The Balsam Branch F         plan examines the so pollution in the waters implementation of pol       The Balsam Branch F         plan examines the so pollution in the waters implementation of pol       The goal of the plan is and enhance the aque watershed. 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The Balsam Branch Priority Watershed Project plan examines the sources of nonpoint pollution in the watershed and guides the implementation of pollution control measures. The goal of the plan is to protect, maintain, and enhance the aquatic ecosystem of the watershed. The control measures are designed to meet this goal. 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# Wisconsin Department of Natural Resources SWIMS Project Summary

Documents				
Title	Description	Author	Published	Comments
Balsam Branch Lake Photograph		Wikipedia Commons	3/1/2017	
Balsam Branch Lake Photograph	Balsam Branch Lake Photograph	Wiki Commons		
Balsam Branch PWS Plan - Nine Key Element Plan (8MB)	Balsam Branch PWS Plan - Nine Key Element Plan (8MB)	Malischke, Jane and Cheryl Clemens	1/1/1995	
Balsam Branch PWS Plan - Nine Key Element Plan part1	Balsam Branch PWS Plan - Nine Key Element Plan	WDNR	4/1/1995	
Balsam Branch PWS Plan - Nine Key Element Plan part2	Balsam Branch PWS Plan - Nine Key Element Plan part2	WDNR	4/1/1995	
Balsam Branch Watershed (SC05) Ecological Landscapes Map			6/27/2011	
Balsam Lake Japanese Knotweed 9-23-2014	Photo of Japanese knotweed found by Katelin Holm on Balsam Lake, 9-23- 2014	Katelin Holm	9/23/2014	
Budget				
Combined Budgets: Combined WSLH:				
Combined Total:	\$0.00			

#### Fundina

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Organization	Source	Туре	Amount	Start Date	End Date