



## ISLAND COUNTY PUBLIC HEALTH

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To: Conservation Futures Citizen Advisory Board  
 From: Island County Department of Natural Resources  
 Re: Conservation Futures Funding, 2015 Applications – DNR Pre-scoring  
 Date: September 18, 2015

Thank you for the opportunity to evaluate the 2015 applications for Conservation Futures Funding. This document details how the Island County Department of Natural Resources (IC DNR) staff evaluated the Habitat and Water Resources sections of the Conservation Values & Resources Criteria. The information in this memo is intended to provide technical guidance to the CFF Citizen's Advisory Board (CAB) on the habitat section of the CFF scoring. The following Island County Department of Natural Resources (IC DNR) staff evaluated and scored the 2015 Conservation Futures Funding Applications:

Keith Higman, Director (ICPH & IC DNR)  
 Jill Wood, Environmental Health Director  
 Lori Clark, IC DNR Manger  
 Doug Kelly, Hydrogeologist  
 Dawn Pucci, Lead Entity Program Coordinator

The IC DNR staff evaluated these proposed projects using the following criteria:

- A. **1. Habitat Prescore**
  - a. *Biological function and environmental benefits*, quality and importance of habitat type for specific species including salmonids. Possible score of 4.
  - b. *Connectivity to and enhancement* of other protected lands and important water bodies. Possible score 3.
  - c. *Site significance of habitat ecosystem*: locally, regionally, or statewide. Possible score 3.

	Biological function	Connectivity	Site Significance
<i>Habitat Projects</i>			
Dillon Property	6	8	6
<i>Farm /Forestry Projects</i>			
Fakkema Farm	4	3	3
Lone Lake	3	2	2
Dugualla Lake	2*	2*	2*

*\*Since it is uncertain that Dugualla Lake will remain a fresh water system, it was scored considering its habitat potential.*

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**Department of Natural Resources**  
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**A. 2. Water Resource Prescore**

- a. Provides for protection of groundwater resources through aquifer recharge area protection. Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as a part of the county's CAO). (Ratings are low=1, medium=3, high=5).
- b. Provides for protection of groundwater resources/ seawater intrusion risk (ICC 8.09.099). Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as a part of the county's CAO). (Ratings are low=0, medium=1, high=3 and very high=5). Possible score of 5.
- c. Reduces impact of surface water discharge. (Ratings are low=1, medium=3, high=5). . Possible score of 5. Possible score of 5: 1= could potentially degrade surface water, 3=neutral to surface water impacts, and 5= a benefit to surface water.

	Aquifer recharge area protection (0-5)	Seawater intrusion risk (0-5)	Reduces impact of surface water discharge (0-5)	Total
Fakkema Farm	4	0	3	7
Dillon Property	3	0	5	8
Lone Lake	5	0	3	8
Dugualla Lake	3	0	3	6

**Total Water Resources Analysis and Conclusion**

CFF Proposal	Total Habitat & Water Resources Combined PreScore
Fakkema Farm	17
Dillon Property	28
Lone Lake	14
Dugualla Lake	12

*Island County Conservation Futures Program*  
**Dillon Property Project Evaluation Criteria**

**\*\*\*MAXIMUM POINTS POSSIBLE\*\*\***

CRITERIA	EVALUATION ELEMENTS	HABITAT PROJECT	WORKING FARM PROJECT	WORKING FOREST PROJECT	
<b>A. Conservation Values &amp; Resources</b>	1. HABITAT (Prescore / DNR) a. Biological function and environmental benefits, quality and importance of habitat type for specific species including salmonids. b. Connectivity to and enhancement of other protected lands and important water bodies. c. Site significance of habitat ecosystem: locally, regionally, or statewide.	6 (10 possible)	N/A	N/A	
		8 (10 possible)			
		6 (10 possible)			
	2. WATER RESOURCES (Prescore/ DNR) a. Provides for protection of groundwater resources through aquifer recharge area protection. Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as part of the county's CAO). (Ratings are low=1, medium=3, and high=5) b. Provides for protection of groundwater resources / seawater intrusion risk (ICC 8.09.099). (Ratings are low=0, medium=1, high=3 and very high=5) c. Reduces impact of surface water discharge. (Ratings are low=1, medium=3, high=5)	8 (15 possible)	N/A	N/A	
		3. WORKING FARM & AGRICULTURAL a. Agricultural soils quality and condition. b. Resource suitability for current and long-term production, existing and future agricultural income. c. Site significance of agricultural resources locally, regionally, or statewide.		N/A	
				N/A	
	N/A				
	4. WORKING FOREST a. Timberland quality and condition. b. Resource suitability for current and long-term timber production, existing and future timber income. c. Site significance of timber resources: local, regional, or statewide.			N/A	
				N/A	
				N/A	

*Island County Conservation Futures Program*  
**Fakkema Farm Project Evaluation Criteria**

\*\*\*MAXIMUM POINTS POSSIBLE\*\*\*

CRITERIA	EVALUATION ELEMENTS	HABITAT PROJECT	WORKING FARM PROJECT	WORKING FOREST PROJECT
<b>A. Conservation Values &amp; Resources</b>	2. HABITAT (Prescore / DNR) a. Biological function and environmental benefits, quality and importance of habitat type for specific species including salmonids.	N/A	10 (10 possible)	N/A
	b. Connectivity to and enhancement of other protected lands and important water bodies.	N/A		
	c. Site significance of habitat ecosystem: locally, regionally, or statewide.	N/A		
	3. WATER RESOURCES (Prescore/ DNR) a. Provides for protection of groundwater resources through aquifer recharge area protection. Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as part of the county's CAO). (Ratings are low=1, medium=3, and high=5) b. Provides for protection of groundwater resources / seawater intrusion risk (ICC 8.09.099). (Ratings are low=0, medium=1, high=3 and very high=5) c. Reduces impact of surface water discharge. (Ratings are low=1, medium=3, high=5)	N/A	7 (15 possible)	N/A
	4. WORKING FARM & AGRICULTURAL a. Agricultural soils quality and condition. b. Resource suitability for current and long-term production, existing and future agricultural income. c. Site significance of agricultural resources locally, regionally, or statewide.			(8 possible)
			(8 possible)	
			(8 possible)	
	5. WORKING FOREST a. Timberland quality and condition. b. Resource suitability for current and long-term timber production, existing and future timber income. c. Site significance of timber resources: local, regional, or statewide.			N/A
				N/A
				N/A

*Island County Conservation Futures Program*  
**Lone Lake Project Evaluation Criteria**

**\*\*\*MAXIMUM POINTS POSSIBLE\*\*\***

CRITERIA	EVALUATION ELEMENTS	HABITAT PROJECT	WORKING FARM PROJECT	WORKING FOREST PROJECT
<b>A. Conservation Values &amp; Resources</b>	3. HABITAT (Prescore / DNR)	N/A	7 (10 possible)	N/A
	a. Biological function and environmental benefits, quality and importance of habitat type for specific species including salmonids.	N/A		
	b. Connectivity to and enhancement of other protected lands and important water bodies.	N/A		
	c. Site significance of habitat ecosystem: locally, regionally, or statewide.	N/A		
	4. WATER RESOURCES (Prescore/ DNR)	N/A	7 (15 possible)	N/A
	a. Provides for protection of groundwater resources through aquifer recharge area protection. Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as part of the county's CAO). (Ratings are low=1, medium=3, and high=5)			
b. Provides for protection of groundwater resources / seawater intrusion risk (ICC 8.09.099). (Ratings are low=0, medium=1, high=3 and very high=5)				
c. Reduces impact of surface water discharge. (Ratings are low=1, medium=3, high=5)				
5. WORKING FARM & AGRICULTURAL			(8 possible)	N/A
a. Agricultural soils quality and condition.			(8 possible)	
b. Resource suitability for current and long-term production, existing and future agricultural income.			(8 possible)	
c. Site significance of agricultural resources locally, regionally, or statewide.				
6. WORKING FOREST				N/A
a. Timberland quality and condition.				N/A
b. Resource suitability for current and long-term timber production, existing and future timber income.				N/A
c. Site significance of timber resources: local, regional, or statewide.				N/A

*Island County Conservation Futures Program*  
**Dugualla Farm Project Evaluation Criteria**

\*\*\*MAXIMUM POINTS POSSIBLE\*\*\*

CRITERIA	EVALUATION ELEMENTS	HABITAT PROJECT	WORKING FARM PROJECT	WORKING FOREST PROJECT
<b>A. Conservation Values &amp; Resources</b>	4. HABITAT (Prescore / DNR) a. Biological function and environmental benefits, quality and importance of habitat type for specific species including salmonids. b. Connectivity to and enhancement of other protected lands and important water bodies. c. Site significance of habitat ecosystem: locally, regionally, or statewide.	N/A	6 (10 possible)	N/A
		N/A		
		N/A		
	5. WATER RESOURCES (Prescore/ DNR) a. Provides for protection of groundwater resources through aquifer recharge area protection. Groundwater susceptibility is currently mapped as Low, Medium or High susceptibility (as part of the county's CAO). (Ratings are low=1, medium=3, and high=5) b. Provides for protection of groundwater resources / seawater intrusion risk (ICC 8.09.099). (Ratings are low=0, medium=1, high=3 and very high=5) c. Reduces impact of surface water discharge. (Ratings are low=1, medium=3, high=5)	N/A	6 (15 possible)	N/A
	6. WORKING FARM & AGRICULTURAL a. Agricultural soils quality and condition. b. Resource suitability for current and long-term production, existing and future agricultural income. c. Site significance of agricultural resources locally, regionally, or statewide.		(8 possible)	
			(8 possible)	
			(8 possible)	
7. WORKING FOREST a. Timberland quality and condition. b. Resource suitability for current and long-term timber production, existing and future timber income. c. Site significance of timber resources: local, regional, or statewide.			N/A	
			N/A	
			N/A	

Additionally, following are observations/recommendations for consideration and were considered in scoring these project proposals:

#### Fakkema Farm

- Development pressure is high, thus protection of this property is a priority.
- This project protects lands that are very important and valuable for surface water filtration and groundwater recharge.
- This is a good demonstration project that may encourage the local farm community to work with the County to preserve agriculture lands.
- Basis for impacts to surface water discharge rating: agricultural practices could affect downstream water quality.

#### Dugualla Lake

- This property is not under pressure for development.
- As proposed, this project would not improve fish habitat.
- Historically, this is saltwater/brackish habitat, not a freshwater lake.
- This is a good partnership opportunity with the Navy.
- Prefer acquisition as opposed to an easement on this property.
- This habitat is best utilized as natural salt marsh habitat.
- Basis for impacts to surface water discharge rating: agricultural practices could potentially degrade surface affect downstream water quality; this property drains directly to surface water; there are not adequate buffers in place currently.

#### Lone Lake

- Based on provided information in the proposal, this property is not under pressure of development.
- Surface water filtration/ aquifer recharge are priorities in Island County.
- This property is less important for fly away migratory path than Swan Lake.
- The acquisition in this proposal would be beneficial for groundwater recharge.
- Basis for impacts to surface water discharge rating: agricultural practices could potentially affect downstream water quality.

#### Dillon Property Acquisition

- The proposed acquisition element of monitoring and management of invasive species, and planting native species is beneficial to habitat.
- High likelihood of development if not acquired with CFF.
- Connectivity to existing park is important.
- Basis for impacts to surface water discharge rating: this project could protect 4.77 acres; actively trying to restore this for environmental benefit.