



## Livestock and Water Quality Site Visit

<b>Site Visit Information</b>	<input checked="" type="checkbox"/> First Visit	<input type="checkbox"/> Follow-up Visit
Prepared by: Chris Luerkens	Arrival Time: 9:30	Departure Time: 11:45
Date: February 9, 2016	Current Weather Conditions: Sunny	

<b>Owner/Operator Information</b>	
Name: Landis Lutton	Street: 2242 Timon Road
City: Everson, WA	Zip Code: 98247
Phone: 318-4276	Email:

<b>Site Information</b>	
County: Whatcom	Watershed: Lower Nooksack (Kamm Creek)
<p>On February 9, 2016, I conducted a follow up site visit with Landis Lutton and Chuck Timblin of Whatcom Conservation District. Mr. Timblin had developed a farm plan for the previous operator and I suggested he be present to review some of his earlier guidance. Many of the issues are similar to the previous operation and an update of the plan could be made to reflect the current operation.</p> <p>We walked the site and discussed risk on the site that may contribute pollution. The issues and recommendations described in my Inspection Report from the 12/30/2015 visit remain. Timblin will be working on a farm plan with guidance. The farm plan should address the pollution concerns highlighted in the below corrective actions.</p> <p>Horses are primarily kept indoors. You have been allowing them to access pastures that do not runoff which is a good management improvement. During the wet season, animals should be excluded or have minimal access to fields that are at risk of running off during runoff events. Field must be managed carefully to prevent manure accumulations and overgrazing so that pollution does not flow off these fields to state surface water.</p>	

### Site Evaluation

<b>Stream Corridor and Areas Near Surface Water</b>	<input checked="" type="checkbox"/> Evaluated	<input type="checkbox"/> Not Evaluated
<input type="checkbox"/> Bare, exposed, eroding soils	<input type="checkbox"/> Absence of woody vegetation	
<input checked="" type="checkbox"/> Contaminated run-off (active or potential)	<input type="checkbox"/> Manure accumulations	
<input type="checkbox"/> Slumping stream banks and erosion	<input type="checkbox"/> Animal access to surface water	
<input type="checkbox"/> Overgrazing of grasses	<input checked="" type="checkbox"/> Livestock paths and trails along riparian areas	
Comments: Animals do not currently have access near the stream corridor. Access should be minimized or eliminated during the wet season when runoff is likely.		

<b>Confinement Areas</b>	<input checked="" type="checkbox"/> Evaluated	<input type="checkbox"/> Not Evaluated

<input checked="" type="checkbox"/> Distance to surface water (<50 ft)	<input type="checkbox"/> Polluted run-off reaching surface water
<input checked="" type="checkbox"/> Presence of mud and manure	<input type="checkbox"/> Roof runoff water flows to confinement areas
<input checked="" type="checkbox"/> Signs of previous runoff reaching surface water	<input checked="" type="checkbox"/> Adjacent land slopes toward surface water

Comments: Some animals are confined north of the barn. This area is perched above slopes steeply to the stream. Animals should not have access to portions of this confinement area that slope to the swale.

As we discussed, animals should be kept off the of the gravel area directly north of the cement pad. This area is prone to runoff the flows toward the swale.

Manure Management	<input checked="" type="checkbox"/> Evaluated	<input type="checkbox"/> Not Evaluated
Current manure management plan?	Manure stored on covered, impervious surface? No.	
Manure collected and stored? Yes. Manure is collected from barn and stored outdoors in pile.	Applied during growing season?	
Manure storage properly sized? Not evaluated.	Manure applied during non-growing season?	
Manure storage covered? No.	Vegetated buffer when manure is applied?	
Manure being collected often?	Manure applied or stored off site?	

Comments:

Manure and solid bedding are collected from stalls and stored on a cement pad outdoors. This material is removed from the property approximately every two weeks.

The lagoon is not full. Liquid has been pumped to it only once this rainy season. Chuck Timblin will provide guidance on applying this liquid. He indicated that it is likely to have a low nutrient concentration given the relatively low contributing animals.

<b>Other Areas of Concern</b>
Comments: Catch basins were identified in the barn and pasture.

<b>Corrective Actions</b>
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- ☒ Exclude livestock from slopes that drain to the seasonal stream during the wet season when there is threat of runoff. Some use these areas may be appropriate during the dry season.
- ☒ Exclude animals from the gravel area north of the cement pad and barn. This area is prone to runoff which is likely to discharge to the swale.
- ☒ Manage the lane north of the barn to prevent developing muddy manure covered areas that flow to the stream. I recommend not confining animals in this area.
- ☒ Several catch basins are located in the barn and field. Manure and manure contaminated water needs to be kept from entering these basins. These catch basin should be decommissioned or capped.
- Two catch basins are in the horse barn.
  - At least one catch basin is located in a pasture.
- ☒ Manage fields and pasture to maintain a vigorous growth of grass and prevent development of muddy manure contaminated areas that may discharge to surface water.

Photos Taken: ☒ Yes ☐ No

Sample Taken: ☐ Yes ☒ No

#### Additional Comments

Comments: The Whatcom Conservation District (WCD) developed a farm plan for this property recently. Although the previous operation is different than the current, the plan would like be very informative for the current operation. It could also be updated to reflect the current operation. WCD can be reached at 360-526-2381.

#### Ecology Contact Information

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Inspector Signature: \_\_\_\_\_

*Chris Luerkens*

Date: \_\_\_\_\_

*2/22/2016*

