

North Dam Weekly Walkover Survey Report

Date:	Oct 5/14
Inspected By:	Sarah Wannock
Conditions:	(ie. snow on ground, clear) Snow on downstream side of dam, overcast, no precip.

Visual Inspection:

This weekly walkover survey report is a means to track the condition on the North Dam, please provide details on changes that have developed since the previous inspection and/or any observations of particular concern. All photos are appreciated. Please send the completed form (scans are fine) and any photos to hopebaymonitoring@srk.com and mmiller@srk.com

Upstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	① Yes	No
Downstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)	③ Yes	No
Crest of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	No
Thermosyphons North Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	No
Thermosyphons South Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	② Yes	No
Instrumentation (on crest and downstream side)		
Any visible concerns? (bent, rusted, cracked, etc.)	Yes	No
Thermistors and Dataloggers		
Any visible concerns? (frayed or cut cables, damaged boxes, etc.)	Yes	No

If you answered yes to any of the questions above please provide details and photos. Observations can be sketched on the figure provided on the next page. If seepage has been noted please estimate the flow.

Tail Lake frozen.

- ① No new depressions noted. No change to V_1 , V_2 , V_3
- ② Some rust - previously noted.
- ③ Snow cover on d/s side of dam. Previously noted depressions D1-D9 covered in snow. Could not evaluate change. No new depressions identified.



North Dam Weekly Walkover Survey Report

Date:	Oct 11/2014
Inspected By:	Sarah Wannock
Conditions:	(ie. snow on ground, clear) Snow cover over most of d/s slope of dam, some on upstream slope

Visual Inspection:

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Upstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	① Yes	No
Downstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)	⑤ Yes	No
Crest of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	No
Thermosyphons North Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	③ Yes	No
Thermosyphons South Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	② Yes	No
Instrumentation (on crest and downstream side)		
Any visible concerns? (bent, rusted, cracked, etc.)	Yes	No
Thermistors and Dataloggers		
Any visible concerns? (frayed or cut cables, damaged boxes, etc.)	Yes	No

If you answered yes to any of the questions above please provide details and photos. Observations can be sketched on the figure provided on the next page. If seepage has been noted please estimate the flow.

- ① Previously note - U1, U2, U3 partially covered in snow, no visible change to these depressions
- ② Same rust previously noted
- ③ Snow cover preventing assessment of depressions. No visible signs of change

Tail Lake frozen.





North Dam Weekly Walkover Survey Report

Date:	October 18 / 2014
Inspected By:	Claire Brown
Conditions:	(ie. snow on ground, clear) ~ 5cm snow cover, overcast, ~ -8°C

Visual Inspection:

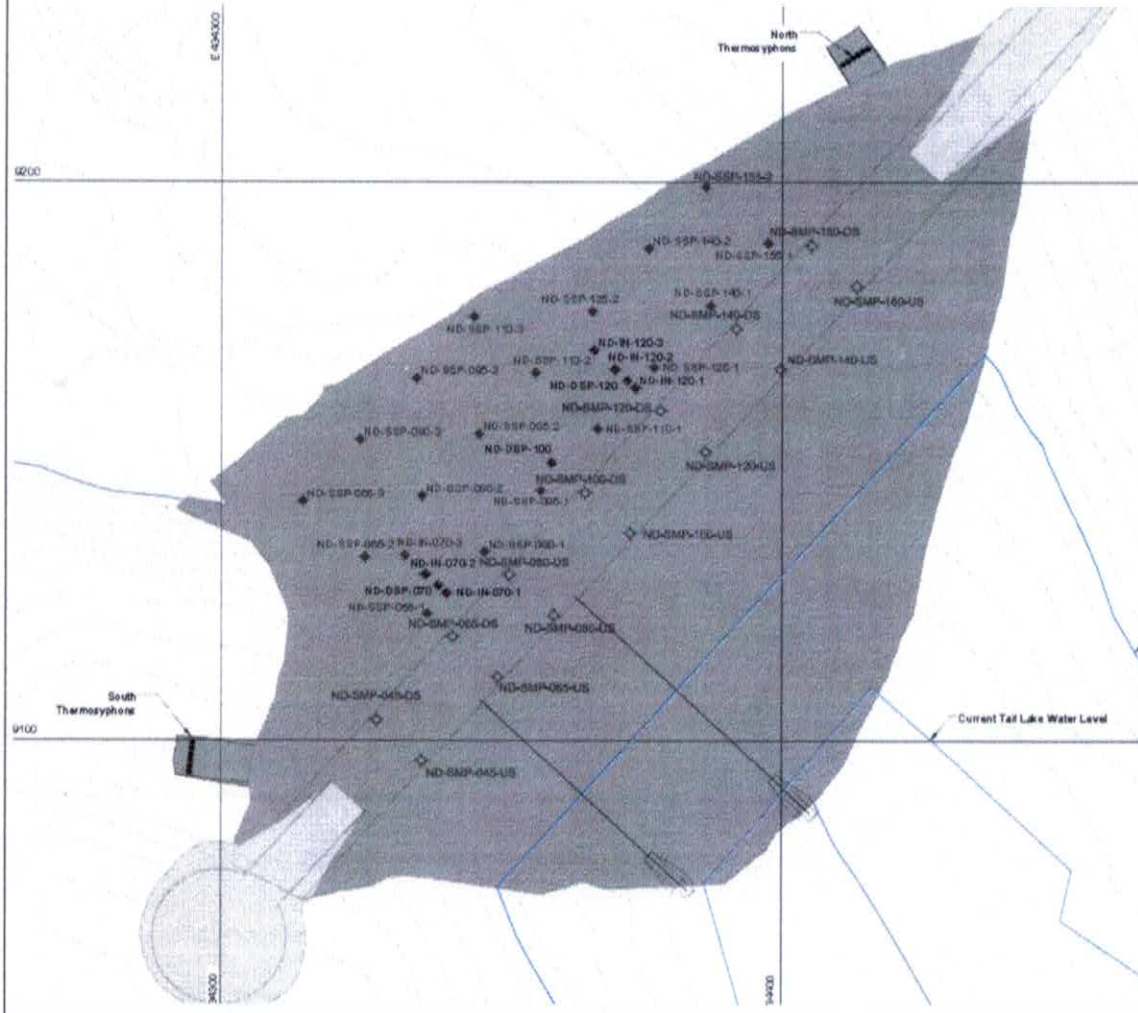
This weekly walkover survey report is a means to track the condition on the North Dam, please provide details on changes that have developed since the previous inspection and/or any observations of particular concern. All photos are appreciated. Please send the completed form (scans are fine) and any photos to hopebaymonitoring@srk.com and mmiller@srk.com

Upstream Side of Dam	Slight snow cover but could identify traces of paint markings	
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	<input checked="" type="radio"/> No
Downstream Side of Dam	However more snow than upstream side and could not see paint markings	
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)	Yes	<input checked="" type="radio"/> No
Crest of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	<input checked="" type="radio"/> No
Thermosyphons North Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	<input checked="" type="radio"/> No
Thermosyphons South Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	<input checked="" type="radio"/> No
Instrumentation (on crest and downstream side)		
Any visible concerns? (bent, rusted, cracked, etc.)	Yes	<input checked="" type="radio"/> No
Thermistors and Dataloggers		
Any visible concerns? (frayed or cut cables, damaged boxes, etc.)	Yes	<input checked="" type="radio"/> No

If you answered yes to any of the questions above please provide details and photos. Observations can be sketched on the figure provided on the next page. If seepage has been noted please estimate the flow.

Tail Lake Frozen.

Please provide any other observations you have made or items that did not fit in the space above

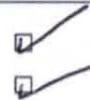


Photos:

Please collect the following photos:

Photo from north end looking south along the dam

Photo from south end looking north along the dam



Other photos, please describe



North Dam Weekly Walkover Survey Report

Date:	October 25, 2014
Inspected By:	Andy Toplak & Key Evalik
Conditions:	(ie. snow on ground, clear) -3°C overcast, light snow, low visibility, wind RNW

Visual Inspection:

This weekly walkover survey report is a means to track the condition on the North Dam, please provide details on changes that have developed since the previous inspection and/or any observations of particular concern. All photos are appreciated. Please send the completed form (scans are fine) and any photos to hopebaymonitoring@srk.com and mmiller@srk.com

Upstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	<input checked="" type="radio"/> No
Downstream Side of Dam covered in snow, no previously recorded depressions visible		
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)	Yes	<input checked="" type="radio"/> No
Crest of Dam some areas covered in 5-10cm of snow.		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	<input checked="" type="radio"/> No
Thermosyphons North Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	<input checked="" type="radio"/> No
Thermosyphons South Side		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	<input checked="" type="radio"/> No
Instrumentation (on crest and downstream side)		
Any visible concerns? (bent, rusted, cracked, etc.)	Yes	<input checked="" type="radio"/> No
Thermistors and Dataloggers		
Any visible concerns? (frayed or cut cables, damaged boxes, etc.)	Yes	<input checked="" type="radio"/> No
If you answered yes to any of the questions above please provide details and photos. Observations can be sketched on the figure provided on the next page. If seepage has been noted please estimate the flow.		
Checked for suspended sediment @ TIA: ① mostly covered in snow, some visible paint markings		