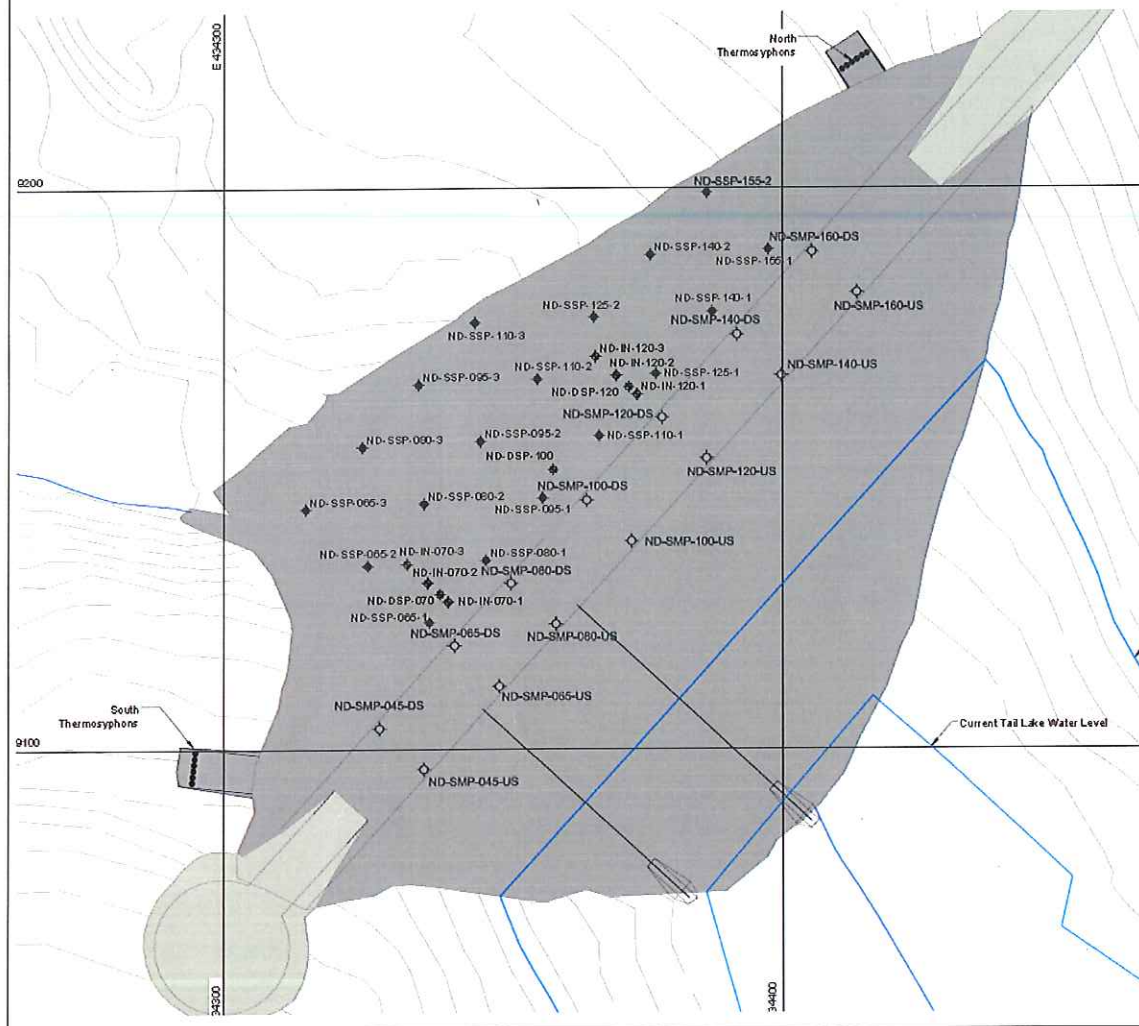


Please provide any other observations you have made or items that did not fit in the space above



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 erosion, animal holes, water on down river side









North Dam Weekly Walkover Survey Report

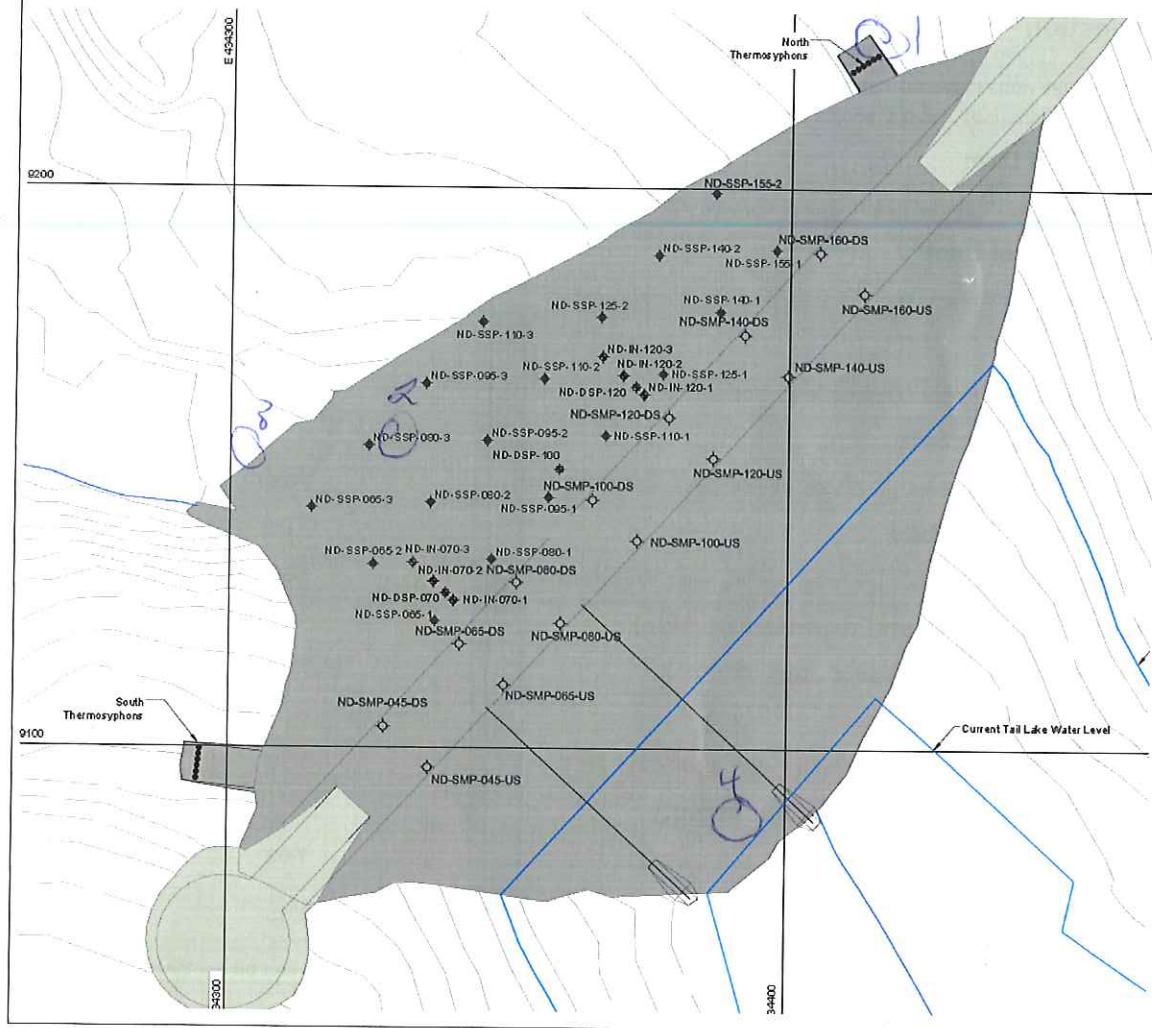
Date:	Sept 28, 2016
Inspected By:	Josh Fris
Conditions:	(ie. snow on ground, clear) Snow

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 pluedke@srk.com

Upstream Side of Dam	Same cracks @ toe	Yes	No
Any visible concerns? (cracks, depressions, erosion, etc.)			
Downstream Side of Dam		Yes	No
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)			
Crest of Dam		Yes	No
Any visible concerns? (cracks, depressions, erosion, etc.)			
Thermosyphons North Side		Yes	No
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)			
Thermosyphons South Side		Yes	No
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)			
Instrumentation (on crest and downstream side)		Yes	No
Any visible concerns? (bent, rusted, cracked, etc.)			
Thermistors and Dataloggers		Yes	No
Any visible concerns? (frayed or cut cables, damaged boxes, etc.)			
Suspended Sediment in TIA (When not frozen)		Yes	No
Any suspended sediment in Tail Lake?			
Water at the Toe of the Downstream Side of the Dam (If yes refer to Doris North – North Dam and Tail Lake Outflow Seepage Monitoring Work Plan 2015)		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.			
Snow melt has downstream side wet.			

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 thermosyphon, animal holes, water. (No changes).

Cracks @ upstream toe









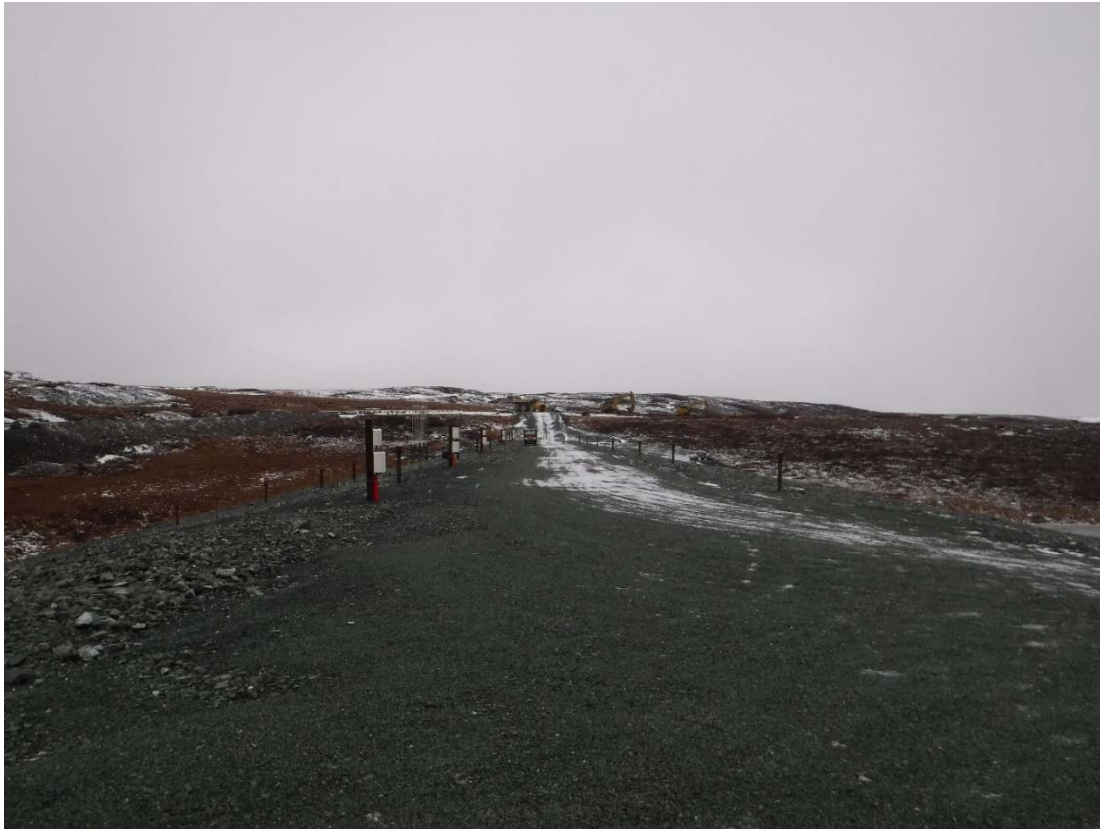
North Dam Weekly Walkover Survey Report

Date:	Oct 7 / 2016
Inspected By:	Neil Chambers
Conditions:	(ie. snow on ground, clear) Snow on ground

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 pluedke@srk.com

Upstream Side of Dam	Some depressions noted		
Any visible concerns? (cracks, depressions, erosion, etc.)	(see picture)	Yes	No
Downstream Side of Dam			
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)		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.)		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
Suspended Sediment in TIA (When not frozen)			
Any suspended sediment in Tail Lake?	starting to freeze over	Yes	No
Water at the Toe of the Downstream Side of the Dam (If yes refer to Doris North – North Dam and Tail Lake Outflow Seepage Monitoring Work Plan 2015)		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.			







North Dam Weekly Walkover Survey Report

Date:	Oct 22, 2016
Inspected By:	Josh Fris
Conditions:	(ie. snow on ground, clear) Snow Covered

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 pluedke@srk.com

Upstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	No
Downstream Side of Dam		
Any visible concerns? (cracks, depressions, erosion, seepage, etc.)	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.)	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
Suspended Sediment in TIA (When not frozen)		
Any suspended sediment in Tail Lake?	Yes	No
Water at the Toe of the Downstream Side of the Dam (If yes refer to Doris North – North Dam and Tail Lake Outflow Seepage Monitoring Work Plan 2015)		
	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.		





North Dam Weekly Walkover Survey Report

Date:	July 24, 2017
Inspected By:	Seth Fris
Conditions:	(ie. snow on ground, clear) Clear

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 pluedke@srk.com

Upstream Side of Dam <i>surface cracks @ toe</i>		
Any visible concerns? (cracks, depressions, erosion, etc.)	Yes	<input checked="" type="radio"/> No
Downstream Side of Dam		
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 <i>minor rust</i>		
Any visible concerns? (cracks, punctures, peeling paint, birds nests, etc.)	Yes	<input checked="" type="radio"/> No
Thermosyphons South Side <i>minor rust</i>		
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.) <i>minor rust</i>	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
Suspended Sediment in TIA (When not frozen)		
Any suspended sediment in Tail Lake?	<i>Recent rain, water murky</i> Yes	No
Water at the Toe of the Downstream Side of the Dam (If yes refer to Doris North - North Dam and Tail Lake Outflow Seepage Monitoring Work Plan 2015) <i>minimal</i>		
	Yes	<input checked="" type="radio"/> No

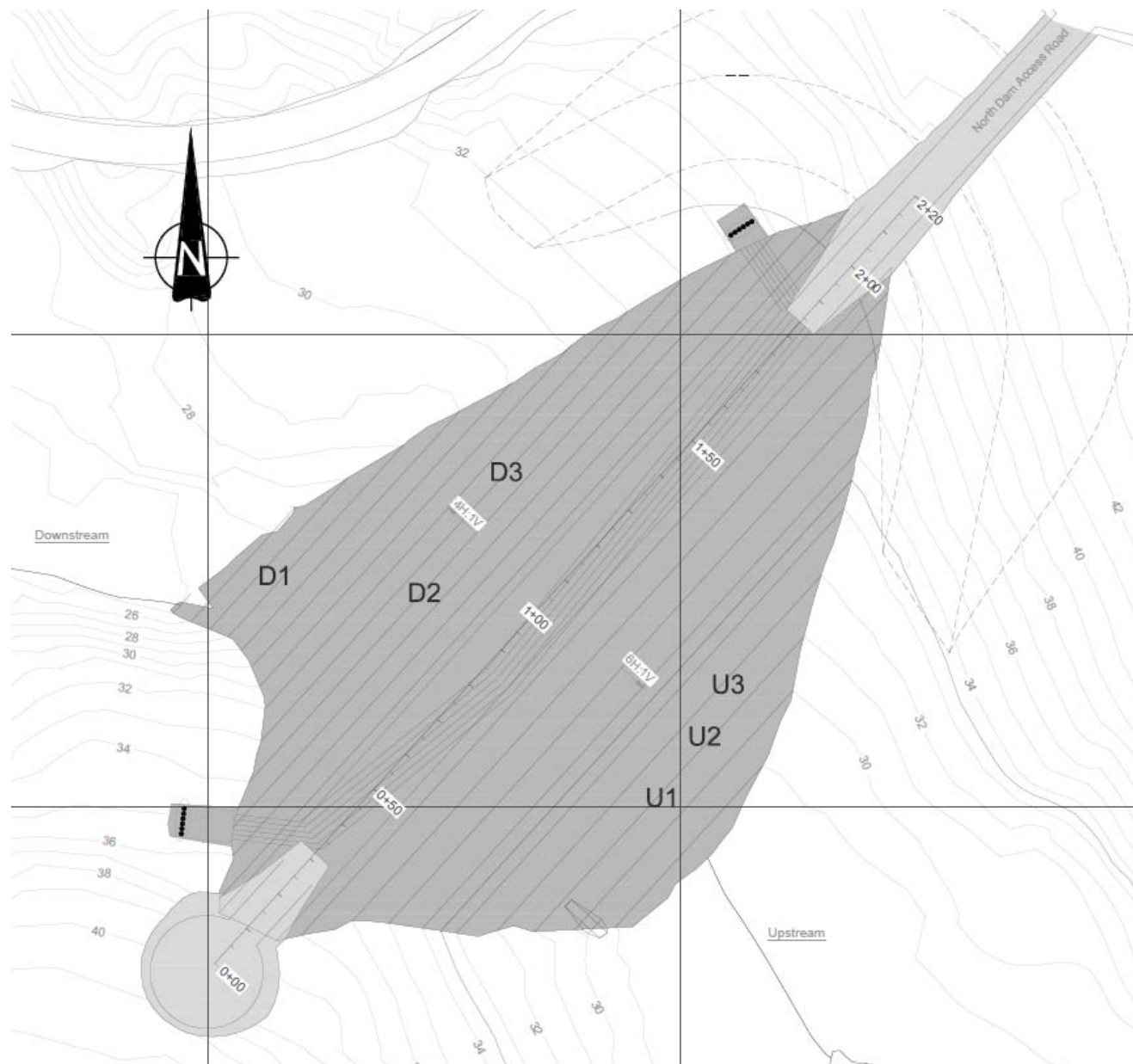
If you answered yes to any of the questions above please provide details and photos. Observations can be sketched on the figure provided on the next page. If seepage has been noted please estimate the flow.







Appendix H – Depression Monitoring



DEPRESSION TRACKING

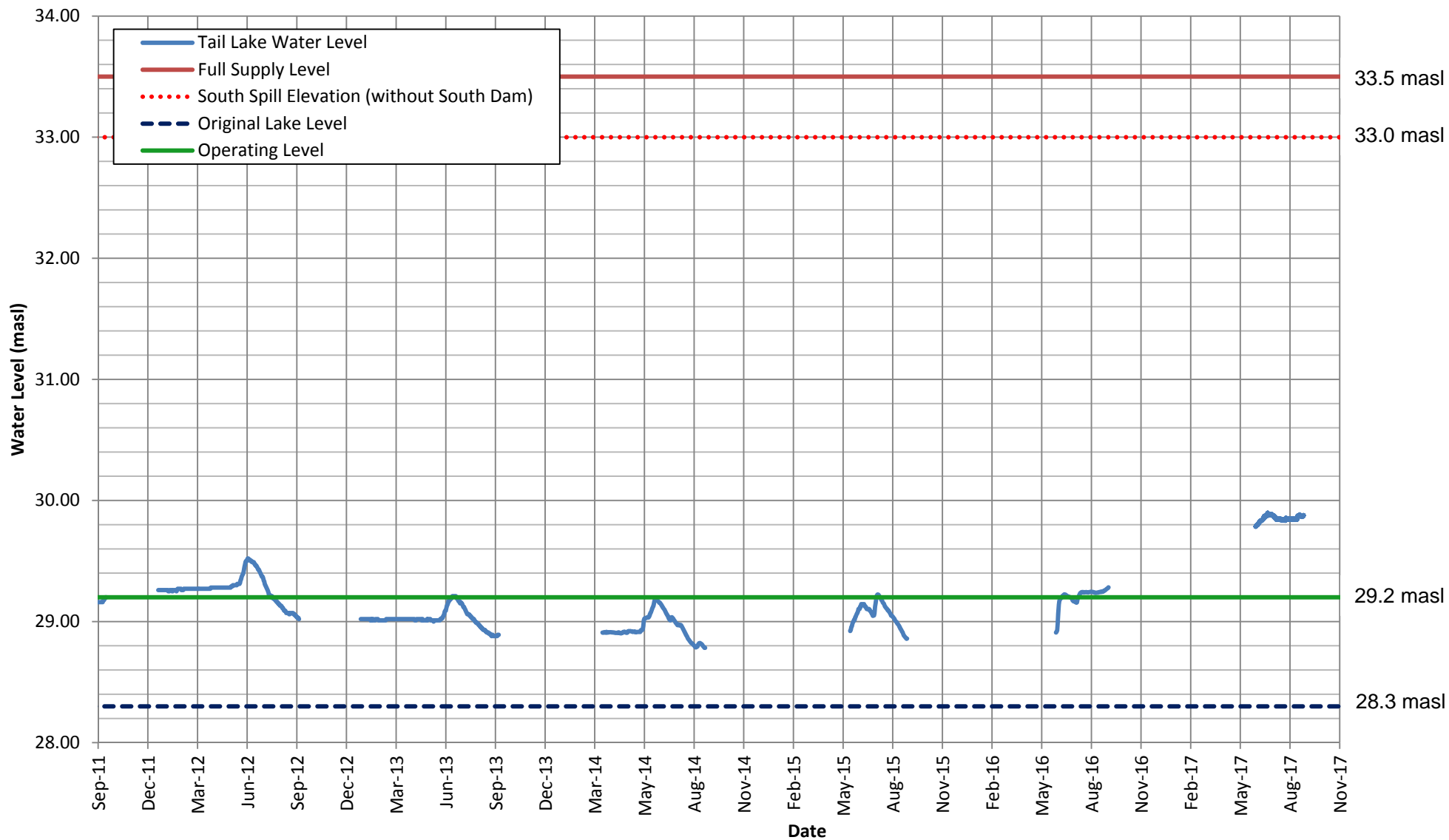
ID	Location	Comments	Northing	Easting
U1	Upstream	First noted June 2014	7559104	434393
		Boundaries spray painted and ID given July 2014		
		No substantial changes from previous inspection		
U2	Upstream	First noted June 2014	7559117	434402
		Boundaries spray painted and ID given July 2014		
		No substantial changes from previous inspection		
U3	Upstream	First noted June 2014	7559128	434407
		Boundaries spray painted and ID given July 2014		
		July 4, 2015 - Expanding toward U2		
		No substantial changes from previous inspection		
D1	Downstream	Identified during 2014 annual geotechnical inspection, spray painted and given ID.	7559151	434311
		September 1, 2014 - expanded towards the south		
		September 20, 2014 - TMAC ESR noted the depression looks to have expanded, paint mark updated.		
		July 4, 2015 - Slight expansion toward the crest was noted in the daily report		
		No substantial changes from previous inspection		
D2	Downstream	First noted in 2013 Annual Geotechnical Inspection	7559147	434344
		September 14, 2014 - TMAC ESR noted that the depression may have expanded slightly		
		No substantial changes from previous inspection		
D3	Downstream	First noted in 2013 Annual Geotechnical Inspection	7559173	434360
		August 10, 2014 - larger area marked		
		No substantial changes from previous inspection		

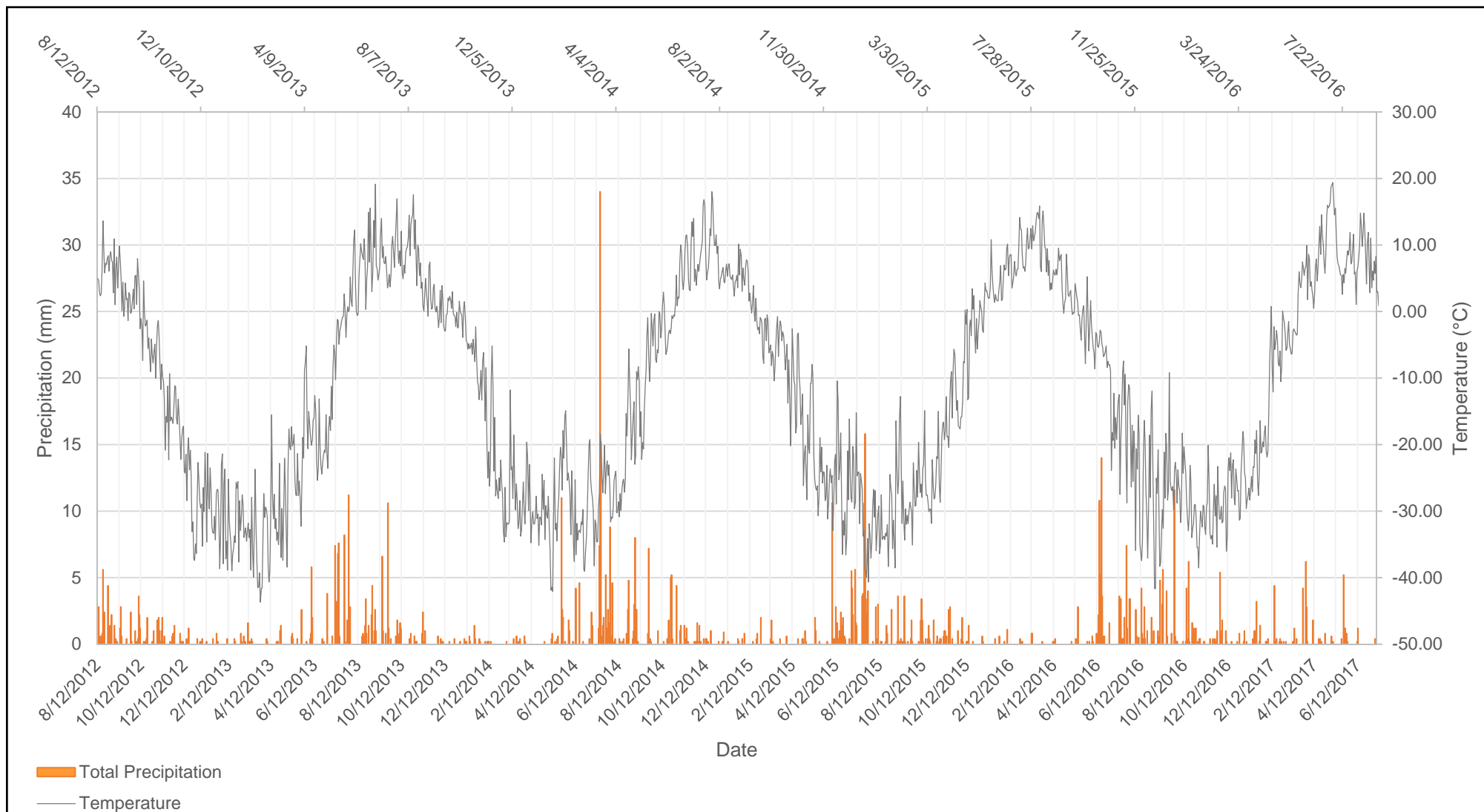
Notes:

- Depression locations are based on hand held GPS measurements, accuracy is at best +/- 4 m.
- Other small depressions were removed from the tracking system in 2016. Only significant depression were carried forward from the 2016 Annual Inspection.

		2017 Annual Geotechnical Inspection		
		Historic Depression Summary		
Job No: 1CT022.016 Filename: AppH_ND_AGI_DepressionTracking.pptx	DORIS MINE	Date: December 2017	Approved: PDL	Figure: H.1

Appendix I – TIA Water Levels





Notes:

- The total daily precipitation data corresponds to the precipitation at Cambridge Bay without under-catch corrections.
- This data is only intended as indicative precipitation for use in this report.

		2017 Annual Geotechnical Inspection		
		Climate Data		
Job No: 1CT022.016 Filename: AppendixJ_ClimateData.pptx	DORIS MINE	Date: Dec. 2017	Approved: PDL	Figure: J.1