## Formal Annual Inspection Pre-Inspection Information

It is recommended that you customize this form to fit your dam.

Name of Dam:	Inspection Date:				
	Weather During Last Week:				
Name of Creek, Stream, River:	Water Licence #:				
Address:					
	Postal Code:				
Name of Principal Contact Person:					
Principal Contact's Bus Phone:	Principal Contact's Cell Phone:				
Principal Contact's Email:					
Person Responsible for this Inspection:	: Phone #:				
•					
Date of Last Annual Inspection:	Was last Annual Inspection Report reviewed?:				
Were dam deficiences identified that re	equired follow-up?				
Date of Last Dam Safety Report(DSR):	Was last DSR Report reviewed?				
Were recommendations from the last D	OSR Report implemented?				
Repairs or modifications since last form	nal inspection? (where, when)				
Failures/Incidents/Breaches since last f	formal inspection?				
Has all the maintenance done in the las	st year been documented?				
Are the Works Currently Fully Operation	nal?				
Dam Information					
Type of Dam:	Max. Height of Dam:				
Are dam materials well known?	Are foundation conditions well known?				
	n? Construction Date:				
Failure Consequence Classification					
	assification (based on BC Dam Safety Regulation)				
Low Significant High VeryH	· · · · · · · · · · · · · · · · · · ·				
_o o.goag o,	.g				
Hydrology					
Drainage Area Size:	Reservoir Area:				
Inflow Design Flood (IDF):	m³/s IDF Return Period:				
1000 yr Flood:	m <sup>3</sup> /s (If available):				
Probable Maximum Flood:					
	Spillway Width:				
Spillway Capacity:	Net Freeboard (while spillway passing IDF):				
Gross Freeboard (@ full supply level): _	Freeboard (at time of visit):				
Reservoir Storage Volume:	Licenced Storage Volume:				
Dam Emergency Plan (DEP)					
Has the emergency contact information	in the DEP been updated this year and distributed as required?				
Other Key Information					
Person Responsible for Formal Inspe	ection: Date:				

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			Required Action Photo #s
	ankment l		None Monitor Maintenance Repair N / A
I. Up	stream Slo <sub>l</sub>	•	
	VEGETATION	Yes/No	
	<u>Type</u>	LocationRecommendations:	
	SLOPE PROTECT		
	<u>Type</u>	None/Grass/Riprap/Other Notes	
	EROSION	Yes/No Location	
	Type	Wave/Runoff/Unknown	
		LengthWidth	
	INSTABILITIES		
	Slides	Yes/No/Could not Inspect	
		Length Width Location Notes/Causes	
	Cracks	Yes/No Transverse/Longitudinal/Other	
		QuantityLengthWidth	
		Location Notes/Causes	
	Bulges/[	Depressions/Hummocky Yes/No	
	· ·	SizeHeightDepth	
		Location Notes/Causes	
	OTHER	Notes/Causes	
	Burrows	s, Ruts, Other Concerns	
		LocationNotes/Causes	
		Notes/Causes	
2. Cre			
	ACCESS		
	Is there	public access to the crest? (Yes/No) rest marked or signed? (Yes/No)	
	Is vehicl	le access to the crest restricted? (Yes/No)	
	VEGETATION	V(N-	
	<u>Trees</u>	Yes/No Location	
		Notes	
	<u>Brush</u>	None/Sparse/Dense	
		Location Notes	
	Ground		
		Quantity (bare/sparse/adequate/dense)	
		Appearance (too tall/too short/good) Notes	
	EROSION	Yes/No Location	
	<u>Type</u>	Wave/Runoff/Unknown	
		LengthWidth	
	SETTLEMENT		
		Location	
		Notes/Causes	

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						Required Action	<b>n</b> Photo #s
INSTABILITIES					I	None Monitor Maintenance Repair	∀ 2 □
-	Transvers Quantity Location	se/Longitudinal/Othe Length	∋r 	Width			<b>U</b>
OTHER	Notes/Ca	uses				•	
OTHER Burrows,	Ruts, Oth Location Notes/Ca	er Concerns auses					<b>-</b>
wnstream S	lone					•	
VEGETATION	nope						П
Trees	Location	Yes/No					<b>ш</b>
<u>Brush</u>	Notes Location	None/Sparse/Dens					<b>-</b>
Ground (	Notes Cover Notes	Bare/Grass/Other					<b>-</b>
SLOPE PROTECT	TION	None/Grass/Other					<u> </u>
EROSION	Yes/No Location	Location					<b>-</b>
INSTABILITIES	Notes						
<u>Slides</u>	Notes/Ca			_Location			<b>ш</b> ——
<u>Cracks</u>	Quantity Location						Π
Bulges/D	Notes/Ca Depression Size Location	s/Hummocky Height	Yes/No	Depth			<b>-</b>
	Notes/Ca					-	
OTHER Burrows,	Ruts, Oth	er Concerns					<b>-</b>
	Notes/Ca	nuses					
SEEPAGE Wet Area	a/Flow/Boil Flow Rate						<u> </u>
	Location Aquatic V	egetation pred Deposits	Yes/No Yes/No Yes/No				
	Other Notes/Ca					. <u> </u>	_
EMBANKMENT D	RAINS		Yes/No				
Type Flow rate Location		Size		Number		- - -	
Notes  MONITORING INS	TRUMEN	TATION CONDITIO	N				
☐ None found			Weir	☐ Flume	l		
Notes						-	

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		None Monitor Maintenance Repair N / A
Concrete Dam		2 2 2 2 2
1. Upstream Side and Crest		
ALIGNMENT/OFFSETS		
Movement at Joints?		
Settlement?		
JOINT FILLER		ппппп
Any Loss?		
Vegetation?		
UNUSUAL CRACKS		
New?		
Efflorescence?		
Displacement?		
DETERIORATION	D:	
Concrete Breakdown? Erosion	Diagnosis:	
Scour		
2. Downstream Side		
ALIGNMENT/OFFSETS		
Movement at Joints?  Settlement?		
JOINT FILLER		
Any Loss?		
Vegetation?		
UNUSUAL CRACKS		
New?	Type?	
Efflorescence?		
Displacement?		
DETERIORATION		
Concrete Breakdown?	Diagnosis:	
Erosion		
Scour		
UNUSUAL LEAKAGE Increase?	Clear?	
Weir?	Flow Estimate?	
DRAINS		ппппп
Flow?	Calcite Build-up?	

Required Action Photo #s

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		Required Action Photo #s
		None Monitor Maintenance Repair N / A
Spillway		
GENERAL CONDIT		
Type Notes	Gated? - Yes/No	
L Spillway Crest	or Control Section	
OBSTRUCTION		
<u>Debris</u>	Yes/No	
	Location	
	Notes	
<u>Vegetatio</u>	-	
	Location Notes	
	beaver activity, trash rack problems, etc.)	
LOG BOOM	Yes/No Reguired? Yes/No	
	<u> </u>	hors
	Notes	
SPILLWAY CREST	MATERIALS	
	Condition	
	Notes Type:	
SPILLWAY GATES	Yes/NoType:Condition	
	Notes	
	CREST PROBLEMS	
<u>Damage</u>		
	Location	
	Notes/Cause	
2. Spillway Conve	yance Section: Channel, Chute or Co	nduit
OPEN CHANNEL O	PROSS SECTION	ппппп
CHANNEL OBSTR	UCTION	
0.000		
SPILLWAY CONVE	YANCE MATERIALS	
OTHER SPILLWAY	CONVEYANCE PROBLEMS	
<u>Damage</u>		UUUUU
	Location Notes/Cause	
	ting or Terminal Section	
EROSION CONTR	OL STRUCTURE	
Туре	Endwall/Headwall/Plunge pool/impact basin/Baffled chute/Rock lined cha	annel/Other/None
Notes		
-		

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	R	equi	red A	ctio	n	Photo #s
Low Level Outlet	None	Monitor	Maintenance	Repair	W/ W	
GENERAL Gate Type □ None	Ш	Ш	Ц	Ш	Ш	
··			_			
ACCESS TO VALVE/GATE Under all circumstances? Yes/No	ш	Ш	Ц	Ш	Ш	
☐ Not accessible ☐ from shore ☐ Walkway ☐ By boat ☐ Other  Notes						
Walkway Condition	_					
LOW LEVEL OUTLET COMPONENTS  Valve Control Device  ☐ Yes ☐ None ☐ No Stem ☐ Damaged stem ☐ Other						
Other/Notes	_					
Operational under all conditions?						
☐ Yes ☐ No ☐ Poorly  Tested Annually? Yes/No Tested as per OMS manual? Yes/No						
Notes Valve / Gate						
Location Condition						
Leakage □ Yes □ No Flow Rate						
Outlet Pipe	П	П	П	П	П	
. □ Metal □ Plastic □ Concrete □ Other	_	_	_		_	
Diameter						
Condition (note vegetation, sediment blockage, etc.)						
Notes						
OUTLET EROSION CONTROL STRUCTURE  Type						
Concrete Condition		П	П	П	П	
Outlet Area Seepage Description	Ш	Ш	Ц	Ш	Ш	
Flow Estimate						
Location	_					
Undermining						
Location Notes/Cause:						
	_	_	_			
Downstream Channel	Ш		Ц	Ш	Ш	
Free Draining? Blockages or Potential Blockages?	_					
Erosion Control? Rip-Rap?						

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	None	Monitor	Mainten	Repair	۷ ۷	
Other Key Information						
Is site access adequate for safe operation, maintenance and surveillance?						
Instrumentation adequate for site conditions?						
Are there concerns about reservoir slope stability?						
Any there other concerns in the watershed that could impact the dam?						
Operational Constraints that impact Dam Safety?						
Are the required Public Safety signs in place (for dams on Crown land)?						_
Other comments on Public Safety:	0-			- 01	:6:	
Should new development in the downstream inundation zone initiate a review of the Failure Yes/no?Comments:					488ITI0	cation ?: -
Maintenance						
In the last year have the spillway gates been exercised and tested in accordance with the C	MS	?				_
If so, when and by whom?						_
In the last year has the low level outlet gate been exercised and tested in accordance with t						_
If so, when and by whom?						_
Is the instrumentation well maintained?						-
NOTES:						

Required Action Photo #s

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F	Requi	Photo #s			
None	Monitor	Maintenance	Repair	A/N	

## **SKETCH OF ISSUES:**

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