Formal Annual Inspection Pre-Inspection Information

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

Name of Dam:	Inspection Date	e:
Current Weather:	Weather Durin	g Last Week:
Name of Creek, Stream, River:		Water Licence #:
Dam Owner:		
Address:		
		Postal Code:
Name of Principle Contact Person:		
Principle Contact's Bus Phone:		Principle Contact's Cell Phone:
Principle Contact's Email:		
Person Responsible for this Inspection:		Phone #:
Other Inspection Participants:		
Date of Last Annual Inspection:	Wasta	ast Annual Inspection Report reviewed?:
		Was last DSR Report reviewed?
		mented?
		rhere, when)
		?
		Imented?
The me treme can entry tany eperanena		
Dam Information		
Type of Dam:		Max. Height of Dam:
		Are foundation conditions well known?
		Construction Date:
Failure Consequence Classification	=	
Circle current Failure Consequence Class	ification (based	d on BC Dam Safety Regulation)
Low Significant High VeryHigl	n Extreme	
Undralage		
Hydrology		December Area
Inflow Design Flood (IDE):	m ³ /o	_ Reservoir Area:
Inflow Design Flood (IDF):	III /S	IDF Return Period:(If available):
Probable Maximum Flood:		
Spillway Crest Elevation:		(If available):
		Net Freeboard (while spillway passing IDF):
		Freeboard (at time of visit):
		Licenced Storage Volume:
Reservoir Storage volume.		_ Licericed Storage Volume
Emergency Preparedness Plan (EPP)		
Has the emergency contact information in	the EPP been	updated this year and distributed as required?
Othor Koy Information		
Other Key Information		
Person Responsible for Formal Inspec	tion:	Date:

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			Required Action Photo #s
	ankment l		None Monitor Maintenance Repair N / A
I. Up	stream Slo _l	•	
	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. Cr€			
	ACCESS		
	Is there	public access to the crest? (Yes/No) rest marked or signed? (Yes/No)	
	Is vehicl	ele 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	n Photo #s
INSTABILITIES					I	None Monitor Maintenance Repair	∀ 2 □
-	Transvers Quantity Location	se/Longitudinal/Othe Length	∋r 	Width			U
OTHER	Notes/Ca	uses				•	
OTHER Burrows,	Ruts, Oth Location Notes/Ca	er Concerns auses					-
wnstream S	lone					•	
VEGETATION	nope						П
Trees	Location	Yes/No					U
<u>Brush</u>	Notes Location	None/Sparse/Dens					-
Ground (Notes Cover Notes	Bare/Grass/Other					-
SLOPE PROTECT	TION	None/Grass/Other					<u> </u>
EROSION	Yes/No Location	Location					-
INSTABILITIES	Notes						
<u>Slides</u>	Notes/Ca			_Location			ш ——
<u>Cracks</u>	Quantity Location						Π
Bulges/D	Notes/Ca Depression Size Location	s/Hummocky Height	Yes/No	Depth			-
	Notes/Ca					-	
OTHER Burrows,	Ruts, Oth	er Concerns					-
	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/No Type: 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:					ASSITIO	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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