## Dam Safety Inspection Checklist

Complete All Portions of This Section	(Pre-inspection)		
Date of Inspection:	_		
Name of Dam:		File Number:	
EAP: (yes, no) OM&I: (yes, no)	)		
Review Inventory - Highlight missing	information (Pre -insp	pection)	
Owner=s Name(s):			
Address:			
City:	State:	Zip (+4):	
Talanhana (Hama):	T.	lankana (Wark)	
Contact Person:	1t	Talanhana;	
Designed By:			
Constructed Dy:			
Veen Commission	Diana Assoilable	(Vac Na) (la satism):	
Prese of dome	Plans Available	(res, No) (location):	
Purpose of dam:			
Interview with Owner (at the site):			
Owner/Representative present: (Yes, N	No) Name(s):		
Double check address, telephone #, pu	rpose (check ->) G		
How long have you owned dam - prev	ious name/owner?		
EAD/OM/9-Line dated (magine) 9-1ag			
EAP/OM&I: up-dated-(yes, no) & loca	ation:		
Operate lake drain (times per year, acc	essibility):		
Mowing (times per year):			
Prior problems (wet areas, erosion, slid	des):		
Papair or modification (what & when)	•		
Repair of mounteation (what & when)			
Failure/Incident/Breach (max. pool):			
Downstream hazard status (recent char	nges):		
Do you know the in-depth details of th	ne construction of your	dam? (If yes - ask next three q	uestions, if no - go to
Field Information Section)		danne (in jes dan newe ander q	
Core trench material and location:			
Volume of fill (earth or rock) in dam:			
Foundation (earth or rock) of dam:			
roundation (cartin or rock) of dam.			
Field Information (while at site)			
Pool Elevation (during inspection):		Time:	(a.m. p.m.)
Site Conditions(temp., weather, groun	d moisture):		、 、 、
In an action Destant			
Inspection Party:	(maggined an image	tom appears compati	
Normal Dool Surface Areas	(measured or inver	tory appears correct)	
normal roof sufface Afea:	(measured or mver	nory appears correct)	

	Required Action
UPSTREAM SLOPE Gradient: Horizontal: Vertical: (est, meas.)	one lonitor laintenance ngineer
VEGETATION [no problem] Trees: Quantity: ( <5, sparse, dense) Diameter: ( <6", 6-12", >12") Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes:	
Brush: Quantity: (sparse, dense) Location:(adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes:	
□ Ground Cover: Type: (grass, crown vetch) Other: Quantity: (bare, sparse, adequate, dense) Appearance: (too tall, too short, good) Notes:	
<ul> <li>SLOPE PROTECTION [no problem, could not inspect thoroughly]</li> <li>None</li> <li>Riprap: Average Diameter:</li></ul>	
Wave Berm: Vegetation: (adequate, bare, sparse, improper vegetation) Notes:	
Concrete Slabs: (cracked, settlement, undermined, voids, deteriorated, vegetation) Notes:	
□ Other: Notes:	
EROSION [no problem, could not inspect thoroughly] Wave Erosion (Beaching): Scarp: Length:	
Runoff Erosion (Gullies): Quantity: Depth: Width: Length: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
<ul> <li>INSTABILITIES [no problem, could not inspect thoroughly]</li> <li>Slides: Transverse Length: Longitudinal Length:</li> <li>Scarp: Width: Length:</li> <li>Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg)</li> <li>Crack: Width: Depth:</li> <li>Notes/Causes:</li> </ul>	
□ Cracks: □ Transverse □ Longitudinal □ Other Quantity: Length: Width: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	None Monitor Maintenance

 $\{ \textbf{Upstream Slope}, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway, Lake Drain \}$ 

Required Action

	None Maintenance Engineer
□ Cracks: □ Transverse □ Longitudinal □ Other Quantity: Length: Width: Dep Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	oth:
□ Bulges □ Depressions □ Hummocky Size: Height: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
□ Bulges □ Depressions □ Hummocky Size: Height: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
<ul> <li>OTHER [no problem, could not inspect thoroughly]</li> <li>Rodent Burrows: (few, numerous) Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes:</li> </ul>	
Ruts: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Depth: Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian):	
CREST Length:Width:(est, meas.)	
<ul> <li>VEGETATION [no problem]</li> <li>Trees: Quantity: (&lt;5, sparse, dense)</li> <li>Diameter: (&lt;6", 6-12", &gt;12")</li> <li>Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg)</li> <li>Notes:</li> </ul>	
Brush: Quantity: (sparse, dense) Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes:	
□ Ground Cover: Type: (grass, crown vetch) Other: Quantity: (bare, sparse, adequate, dense) Appearance: (too tall, too short, good) Notes:	
EROSION [no problem, could not inspect thoroughly] Runoff Erosion (Gullies): Quantity:Depth:Width:L Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes/Causes: {Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway, L	ength:

Action Maintenance Igineer Monitor Vone □ **ALIGNMENT** [no problem, could not inspect thoroughly] □ Vertical: □ Low Area: Location: (adj. to structure, entire crest, lt end, rt end, middle, see dwg) Elevation Difference: Length: Notes/Causes: □ Horizontal: Notes/Causes: □ WIDTH [no problem] □ Too Narrow Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes/Causes: □ **INSTABILITIES** [no problem, could not inspect thoroughly] □ Cracks: □ Transverse □ Longitudinal □ Other Width: Quantity: Length: Depth: Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes/Causes: □ Cracks: □ Longitudinal □ Other □ Transverse Quantity: Length: Width: Depth: Location: (adj. to structure, entire crest, lt end, rt end, middle, see dwg) Notes/Causes: □ Bulges □ Depressions □ Hummocky Size: Height: Depth: Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes/Causes: □ Bulges □ Depressions □ Hummocky Size: Height: Depth: Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Notes/Causes: □ **OTHER** [no problem, could not inspect thoroughly] □ Rodent Burrows: (few, numerous) Location: (adj. to structure, entire crest, lt end, rt end, middle, see dwg) Notes: □ Ruts: Location: (adj. to structure, entire crest, It end, rt end, middle, see dwg) Depth: Width: Length: Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian) □ Other: Notes: Maintenance Engineer Monitor None Required Action

Required

## Required Action

DOWNSTREAM SLOPE Gradient: Horizontal: Vertical: (est, meas.)	e litor ntenance ineer
□ VEGETATION [no problem] □ Trees: Quantity: ( <5, sparse, dense) Diameter: ( <6", 6-12", >12") Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes:	Mor Mor Eng
□ Brush: Quantity: (sparse, dense) Location:(adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes:	
Ground Cover: Type: (grass, crown vetch) Other: Quantity: (bare, sparse, adequate, dense) Appearance: (too tall, too short, good) Notes:	
EROSION [no problem, could not inspect thoroughly] Runoff Erosion (Gullies): Quantity:Depth:Width:Length: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
INSTABILITIES [no problem, could not inspect thoroughly] Slides: Transverse Length: Longitudinal Length: Scarp: Width: Length: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Crack: Width: Depth: Notes/Causes:	
□ Cracks: □ Transverse □ Longitudinal □ Other Quantity: Length: Width: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
□ Cracks: □ Transverse □ Longitudinal □ Other Quantity: Length: Width: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
□ Bulges □ Depressions □ Hummocky Size: Height: Depth: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	
□ Bulges □ Depressions □ Hummocky Size: Height: Depth:	
Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Notes/Causes:	None Monitor Maintenance Engineer

Required Action

{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway, Lake Drain}

	Required Action ୯
<ul> <li>OTHER [no problem, could not inspect thoroughly]</li> <li>Rodent Burrows: (few, numerous)</li> <li>Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg)</li> <li>Notes:</li> </ul>	<ul> <li>None</li> <li>Monitor</li> <li>Maintenano</li> <li>Engineer</li> </ul>
Ruts: Location: (adj. to structure, entire slope, It end, rt end, middle, see dwg) Depth:Width:Length: Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian):	
□ Other: Notes:	
SEEPAGE       [no problem, could not inspect thoroughly]         Wet Area       Flow         Boil       Sinkhole         Flow Rate       Size:         Location:	
Flow Rate Size:   Location: None   Aquatic Vegetation None   Rust Colored Deposits None   Sediment in Flow None   Other: Notes/Causes:	
EMBANKMENT DRAINS [none, none found, no problem, could not inspect thoroughly] Type: □ Toe Drain □ Relief Wells □ Other: Flow Rate:	
MONITORING INSTRUMENTATION [none, none found, no problem, could not inspect thoroughly] None Found Periodic Inspections by: Notes:	Bedineer Begineer

	Required Action
PRINCIPAL SPILLWAY	or enanc
	onitc onitc ainte
GENERAL INLET [no problem, could not inspect thoroughly]	ŽŽŽŪ NONO
□ Anti-Vortex Plate [None] Dimensions: (adequate, too small,)	
I ype: (steel, concrete, aluminum, stainless steel, corrugated metal wood, other):	
Deterioration: (missing sections, rusted, collapsed)	
Notes:	
Trace (motel month)	
Type: (metal, wood):	
Notes	
Trashrack [None] Opening Size: (adequate too small too large)	
Tupe: (metal bars fence screen concrete baffle other):	
Type: (inetal bars, relice, screen, concrete, barre, other).	
Notes:	
$\Box$ Debris. (leaves, trash, logs, branches, ice)	
Diametery ( -clc. 40l)	
Diameter. (<6, 6-12 <sup>°</sup> , >12)	
Location. (entire iniet, it side, it side, middle, see dwg)	
Notes.	
$\Box$ Brush: Quantity: (sparse dense)	
Ocation: (optise, dense)	
Notes:	
□ Other:(beaver activity, trashrack opening too small, partially/completely blocked, i.e.)	
Notos	
Notes.	
INLET MATERIALS [no problem, could not inspect thoroughly]	
□ Metal	
(loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out, pipe deformation )	
Dimensions:	
Location:	
Notes/Causes:	
□ Concrete	
(bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks)	
(isolated crack, exposed rebar, disintegration, other)	
Dimensions/Location:	
Notes/Causes:	
(hur hales haiding grade officers and )	
(bug noies, nairline crack, enforescence)	
(spaning, popouts, noneycomping, scaling, craze/map cracks)(isolated crack, exposed rebar, disintegration, other)	
Dimensions/Location:	
Notes/Causes:	
□ Plastic	
(deterioration, cracking, deformation)	
Dimensions:	and
Location:	itor ten
Notes/Causes:	loné loni ngii
	Z 2 2 Ш
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway-Inlet, Emergency Spillway, Lake Drain}	Required

Required Action

	Required Action
	or enanc eer
Earthen	lone 1onit 1aint 1aint
Ground Cover: Type: (grass, crown vetch) Other:	
Quantity: (bare, sparse, adequate, dense)	
Notes:	
Erosion: (wave, surface runoff)	
Description (height/depth/length/etc): Notes:	
□ Ruts:	
Location: (entire inlet, It side, rt side, middle, see dwg)	
Depth: Width: Length:	
Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian)	
□ Riprap: Average Diameter:	
(adequate, sparse, displaced, weathered, vegetation) (bedding/fabric noted - yes, no)	
□ Rock-Cut (weathered, erosion)	
Description: Notes:	
□ Other:	
□ Mis-Alignment:(pipe, chute, sidewall, headwall) □ Pipe Deformation Location/Description: Notes/Causes:	
Separated Joint Loss of Joint Material Location/Description: Notes/Causes:	
Undermining:	
Notes/Causes:	
□ Other:	
OPEN CHANNEL CONTROL SECTION [no problem, could not inspect] Width (est., ms.) Brdth (est., ms.) Notes:	
$\Box$ <b>OUTLET OBSTRUCTION</b> [no problem, could not inspect thoroughly]	
Debris: (leaves, trash, logs, branches, ice)	
□ Trees: Quantity: ( <5, sparse, dense)	
Diameter: (<6", 6-12", >12")	
Notes:	
□ Brush: Quantity: (sparse, dense)	
Location:(entire outlet, It side, rt side, middle, see dwg) Notes:	Required
□ Other:(beaver activity, partially/completely blocked, i.e.)	
Notes:	
	ne initor iinten ginee
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway-Inlet/Outlet, Emergency Spillway, Lake Drain}	a No Ing

TLET MATERIALS       [no problem, could not inspect thoroughly]         Image: Metal (loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out, pipe deformation )         Dimensions:         Location:         Notes/Causes:	Monitor Monitor Maintenance Engineer
(bug holes, hairline crack, efflorescence) (spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other)	
Notes/Causes:	
(bug holes, hairline crack, efflorescence)	
(spailing, popolits, noneycomping, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other) Dimensions/Location: Notes/Causes:	
Plastic (deterioration, cracking, deformation) Dimensions:	
Location: Notes/Causes:	
□ Earthen □ Ground Cover: Type: (grass, crown vetch) Other:	
Quantity: (bare, sparse, adequate, dense) Appearance: (too tall, too short, good) Notes:	
Erosion: (other, surface runoff)     Description (width/depth/length/etc): Notes:	
□ Ruts: Location: (entire inlet, It side, rt side, middle, see dwg) Depth: Width: Length: Notes/Causes: (trust/auto_materiary)	
Riprap: Average Diameter:	
□ Rock-Cut (weathered, erosion)	
Description/Notes:	
Other:	
HER OUTLET PROBLEMS [no problem, could not inspect thoroughly]	
□ Mis-Alignment:(pipe, chute, sidewall, headwall) □ Pipe Deformation Location/Description:	
	None Aonitor Aainten
Location/Description:	
Undermining:Location/Description:	
Notes/Causes:	

{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway-Outlet, Emergency Spillway, Lake Drain}

Required Action

							Requir Actio	red on
OUTLET ER None (endwa Notes	OSION CON all/headwall, plunge s:	TROL STRU(	CTURE (Stillin lip bucket, USBR,	ng Basins) baffled chute,	rock lined channel)		None Monitor	
Com	ponents (baffle bl	ocks, chute blocks, e	endsill)					
□ <b>MATERIAL</b> [ □ Ripra (adea sparse, displaced, w Note	no problem, could r p: Average Dia quate, eathered, vegetatio es:	ot inspect thoroughl meter: n) (bedding/fabric no	y] ted - yes, no)					ם כ
□ Concr (bug (spal (isola E N	rete holes, hairline crac ling, popouts, hone ited crack, exposed Dimensions/Loca lotes/Causes:	x, efflorescence) /combing, scaling, cr rebar, disintegration ation:	aze/map cracks) , other)					
(bug (spal (isola D N	holes, hairline crac ling, popouts, hone ated crack, exposed Dimensions/Loca lotes/Causes:	x, efflorescence) /combing, scaling, cr rebar, disintegration ation:	aze/map cracks) , other)					
□ OTHER [no p □ Mis-A Loca Des Note	roblem, could not in lignment:( sidewa ation: cription: es/Causes:	spect thoroughly] all, headwall, entire s	struct.)					ם כ
□ Separ Loca Des Note	rated Joint ation: cription: es/Causes:	□ Loss of Joint	Material					ם כ
□ Under Loca Des Note	rmining: ation: cription: əs/Causes:							ם כ
□ Other	:							
□ <b>DRAINS</b> [nor Type: Flow Loca Note	ne, none found, no □ Weep Holes v Rate: ation: əs:	oroblem, could not in S □ R Size	spect thoroughly] elief Drains :	(See <b>SEE</b>	PAGE Section for T □ Other: Number:	oe Drains & Relief Wells		ם כ
Type: Flow Loca Note	□ Weep Holes v Rate: ation: es:	□ R Size	elief Drains :		□ Other: Number:		None Nonitor Maintenance	Engineer

{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway-Outlet Erosion Control Structure, Emergency Spillway, Lake Drain}

	Required Action
EMERGENCY SPILLWAY	ne nitor int. gineer
	No Mo Ma En
□ GENERAL INLET [no problem, could not inspect thoroughly] □ Anti-Vortex Plate [None] Dimensions:(adequate, too small,) Type: (steel concrete aluminum staipless steel corrugated metal wood other):	
Deterioration: (missing sections, rusted, collapsed) Notes:	
□ Flash Boards [None] Type: (metal, wood):	
Deterioration: Notes:	
□ Trashrack [None] Opening Size:(adequate, too small, too large)	
Deterioration: (broken bars, missing sections, rusted, collapsed) Notes:	
□ <b>INLET OBSTRUCTION</b> [no problem, could not inspect thoroughly]	
□ Trees: Quantity: ( <5, sparse, dense)	
Location: (entire inlet, It side, rt side, middle, see dwg) Notes:	
□ Brush: Quantity: (sparse, dense)	
Notes:	
□ Other:(beaver activity, trashrack opening too small, partially/completely blocked, i.e.)	
Notes:	
□ INLET MATERIALS [no problem, could not inspect thoroughly] □ Metal	
(loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out, pipe deformation )	
Dimensions/Location: Notes/Causes:	
Concrete	
(spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other) Dimensions/Location:	
Notes/Causes.	
(bug holes, hairline crack, efflorescence) (spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other)	
Dimensions/Location: Notes/Causes:	
(deterioration, cracking, deformation ) Dimensions/Location:	ance
Notes/Causes:	ne nitor intens jinee
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway-Inlet, Lake Drain}	n n n n n n n n n n n n n n n n n n n

	Required Action
	ır :nanc :er
□ Earthen	onitc onitc ainte gine
Ground Cover: Type: (grass, crown vetch) Other:	ŽŽŽŬ — ППППП
Quantity: (bare, sparse, adequate, dense)	
Appearance: (too tall, too short, good)	
Notes.	
Erosion: (wave, surface runoff)	
Description (height/depth/length/etc):	_
Notes:	
Location: (entire inlet. It side. rt side. middle. see dwa)	
Depth: Vidth: Length:	
Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian)	
□ Riprap: Average Diameter:	
Notes:	
□ Rock-Cut (weathered, erosion)	
Description:	
Notes:	
□ Other:	
<ul> <li>□ OTHER INLET PROBLEMS [no problem, could not inspect thoroughly]</li> <li>□ Mis-Alignment:(channel, chute, sidewall, headwall)</li> <li>□ Pipe Deformation</li> <li>Location/Description:</li> <li>Notes/Causes:</li> </ul>	
	_
□ Separated Joint □ Loss of Joint Material	
Location/Description:	_
Notes/Causes.	-
□ Undermining:	
Location/Description:	
Notes/Causes:	_
OPEN CHANNEL CONTROL SECTION [no problem, could not inspect] Width (est., ms.) Brdth (est., ms.) Notes:	
OUTLET OBSTRUCTION [no problem could not improve therewalked]	
$\Box$ Debris: (leaves trash logs branches ice)	
□ Trees: Quantity: ( <5, sparse, dense)	
Diameter: ( <6", 6-12", >12")	
Location: (entire outlet, It side, rt side, middle, see dwg)Notes:	
Brush: Quantity: (sparse, dense)	
Location: (entire outlet, It side, rt side, middle, see dwg)	
Notes:	Required
	Action
Uther: (beaver activity, partially/completely blocked, i.e.)	
Notes:	nce
	tor ena
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway-Inlet/Outlet, Lake Drain}	None Monit Maint Engir

<b>TLET MATERIALS</b> [no problem, could not inspect thoroughly]	None Monitor Maint.
LI INIETAI (loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out, pipe deformation ) Dimensions:	
Location:	
Notes/Causes:	
Concrete (bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other) Dimensions/Location:	
Notes/Causes:	
(bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack_exposed rebar_disintegration_other)	
Dimensions/Location:	
Notes/Causes:	
Plastic (deterioration, cracking, deformation)	
Dimensions:	
Location: Notes/Causes:	
□ Eartnen □ Ground Cover: Type: (grass, crown vetch) Other:	
Quantity: (bare, sparse, adequate, dense)	
Appearance: (too tall, too short, good) Notes:	
Erosion: (other, surface runoff)	
Notes:	
□ Ruts:	
Location: (entire inlet, It side, rt side, middle, see dwg)	
Notes/Causes: (truck/auto, motorcycle, ATV, animals, pedestrian):	
(adequate, sparse, displaced, weathered, vegetation) (bedding/fabric noted - yes, no) Notes:	
□ Rock-Cut (weathered, erosion)	
Notes:	
□ Other:	
<b>IER OUTLET PROBLEMS</b> [no problem, could not inspect thoroughly]	
Location/Description:	
Notes/Causes:	or or
	one
Loss of Joint Material     Loss of Joint Material	
Notes/Causes:	
🗆 Underminina:	 
Location/Description:	
Notes/Causes:	
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway-Outlet, Lake Drain}	requi

rgency Sp {Upstream epage, Principal Spi lway, **Eme** ope st, I ope, S ıy Action

	Required Action
	ne nitor int. ginee
	Mo Mo En
(endwall/headwall, plunge pool, impact basin, flip bucket, USBR, baffled chute, rock lined channel) Notes:	
Components (baffle blocks, chute blocks, endsill)	
MATERIAL [no problem, could not inspect thoroughly] Riprap: Average Diameter:	
(adequate, sparse, displaced, weathered, vegetation) (bedding/fabric noted - yes, no) Notes:	
(bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks)	
(Isolated crack, exposed rebar, disintegration, other)	
Notes/Causes:	
(bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks)	
(isolated crack, exposed rebar, disintegration, other)	
Notes/Causes:	
□ OTHER [no problem, could not inspect thoroughly] □ Mis-Alignment:( sidewall, headwall) Location: Description:	
Notes/Causes:	
Separated laint D Loss of Joint Material	_
Location:	
Description:	
Notes/Causes:	_
Location.	
Notes/Causes:	
□ Other:	
$\Box$ <b>Drains</b> [none, none found, no problem, could not inspect thoroughly] (see <b>SEEPAGE</b> section for role brains & Relief Weils) Type: $\Box$ Weep Holes $\Box$ Relief Drains $\Box$ Other:	
Flow Rate: Size: Number:	
Location:	
Notes:	_
	_ 
Flow Rate: Size: Number:	
Location:	
Notes:	nitor nitor jine
	Moi Mai Enç
	<ul> <li>Required Action</li> </ul>

{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway-Outlet Erosion Control Structure, Lake Drain}

	Required Action
LAKE DRAIN	e nitor nt.
	Non Mon Maii Eng
□ GENERAL □ None Found □ Does not have one	
□ Type of Lake Drain (isolated control/intake tower, valve vault w/ outlet conduit, valve in riser/drop inlet, siphon)	
Notes:	
Operated During Inspection (yes, no)	
Notes:	
ACCESS TO VALVE/SLUICE GATE     Inc. problem, could not inspect thoroughly	
□ Type (not accessible, from shore, boat, walkway, other) Notes:	
□ Walkway/Platform:	
Location:	
Notes:	
□ Wood Deterioration	
Notes:	
□ Metal Deterioration	
Notes:	
<ul> <li>LAKE DRAIN COMPONENTS [no problem, could not inspect thoroughly]</li> <li>Concrete Structure Location: Description: (deterioration, misalignment, cracks):</li> </ul>	
Notes/Causes:	
<ul> <li>Valve Control (Operating Device)</li> <li>No Operating Device</li> <li>No Stem</li> <li>Bent/Broken Stem</li> <li>Other</li> <li>Notes/Operability:</li> </ul>	
<ul> <li>Valve / Sluice Gate</li> <li>Metal Deterioration: (surface rust, minor, moderate, extensive, other)</li></ul>	
Flow Rate:	
□ Misalignment	
Notes/Causes:	
Leakage - Flow Rate: Notes/Causes:	
<ul> <li>Valve / Sluice Gate</li> <li>Metal Deterioration: (surface rust, minor, moderate, extensive, other)</li></ul>	
Flow Rate:	
Misalignment - Notes/Causes:	Required
Leakage - Flow Rate:	Action
Notes/Causes:	iance
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway, Lake Drain}	None Monitor Mainten Enginee

	Required Action
<ul> <li>Outlet Conduit</li> <li>Metal: (loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out)</li> </ul>	D None Monitor Maintenar Engineer
Location: Notes/Causes:	
□ Concrete (bug holes, hairline crack, efflorescence)	
(spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other)	
Dimensions/Location: Notes/Causes:	
Plastic:(deterioration, cracking) Location:	
Notes/Causes:	
Conduit Deformation I Mis-Alignment: Location:	
Notes/Causes:	
Separated Joint Loss of Joint Material Location/Description: Notes/Causes:	
Undermining: Location/Description: Notes/Causes:	
□ Vegetation (trees, brush)	
■ Other:	
Notes:	
Energy Dissipator Type (endwall, plunge pool, impact basin, stilling basin, rock-lined channel, none) Notes:	
Riprap: Average Diameter:	
Concrete (bug holes, hairline crack, efflorescence) (spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other)	
Notes/Causes:	
□ Mis-Alignment: Location/Description:	
Notes/Causes:	
Separated Joint Description:	
Notes/Causes:	
Undermining: Location/Description:	
	Action
Other: Notes:	
	le litor ineer
{Upstream Slope, Crest, Downstream Slope, Seepage, Principal Spillway, Emergency Spillway, Lake Drain}	Non Mair Engi



Name of Project: File Number: Date: Transit: Rod: Other:

<u>Sta.</u>	<u>BS</u>	<u>HI</u>	FS	Elev.	Description

Dam Inspection Survey Notes

## DAM CLASSIFICATION CHECKLIST

Name of Dam:						File Number:				Permit Number:			
County:						Date:				Engineer:			
HEIGHT				STORA	AGE			EXEMPT					
Height of dam as measured =feet				Storage	volume at	t top of dam =	acre-feet	:					
□ >6	60' - C	Class	; I						□ >5000	) acre-feet	- Class I		□ Height <u>&lt;</u> 6 feet
□ >4	0' - 0	Class	: II						□ > 500	) acre-feet	- Class II		Storage < 15 acre-feet
□ >2	25' - 0	Class	; III						□ > 50	) acre-feet	- Class III		□ 6 feet < Height < 10 feet
□ <u>&lt;</u> 2	25' - 0	Class	s IV						□ <u>&lt;</u> 50	) acre-feet	- Class IV		& Volume < 50 acre-feet
				P	DTE	NTIA	L DO	WNS	STREAM	HAZARD		Sketch i	n Developments
			1				IV	Х				Downs	stream of Dam
-			-										
Loss of human life (plausible circumstances envisioned to cause loss of life)	A possible health hazard (loss of public water, wastewater treatment facility)	Loss of high-value property (flooding of homes & business, damage to Class I, II & III dams	Damage to interstates & state routes and only access to homes/critical facilities	Damage to railroads or public utilities	Damage rural bldgs. & not otherwise high-valued property, Class IV dams/levees	Damage to local roads (county & township)	Losses restricted mainly to the dam and agricultural/rural	No hazard to structure noted	Distance downstream from dam to affected structure (feet)	Vertical distance from streambed to base of affected structure (feet)	Horizontal distance from stream to affected structure (feet)	Left	Dam Right Lake
												Estimated Po	pulation at Risk
													· · · · · · · · · · · · · · · · · · ·
<u> </u>													
Hei	ight		ass	_			Sto	rade	e Class		Hazard	Class	
Fin	al (	Cla	SS:		Ex	emp	ot	I		IV (	circle one	) Class C	hanged (Yes, No)