DAM OWNER'S INSPECTION CHECKLIST

NAME OF DAM:	
DATE INSPECTED:	
INSPECTED BY:	

Reservoir Data at Time of Inspection *(Note in comments if unavailable or estimated)*	**Comments**
Water Surface Elevation *(feet)*	
Distance Below Dam Crest (*feet)*	
Storage *(acre feet)*	
Inflow (*cfs or gpm*)	
Outflow *(cfs or gpm)*	
General Comments on overall dam condition *(excellent, good, fair, poor, maintenance needed)*	

Item	Y	N	Remarks
A. Embankment Crest			
(1) Any visual settlements or low areas?	☐	☐	
(2) Any misalignments?	☐	☐	
(3) Any cracking?	☐	☐	
(4) Any traffic damage ruts or puddles?	☐	☐	
(5) Other (describe)			
B. Embankment Upstream Face			
(1) Any erosion?	☐	☐	
(2) Any settlement, sloughing, slumps, depressions or bulges?	☐	☐	
(3) Trees or brush growing on slope?	☐	☐	
(4) Any stone deterioration?	☐	☐	
(5) Sinkholes?	☐	☐	
(6) Debris on the dam face?	☐	☐	
(7) Adequate grass cover?	☐	☐	
(8) Animal burrows?	☐	☐	
(9) Other (describe)			

Item	Y	N	Remarks
C. Embankment Downstream Face/ Toe/Abutments			
(1) Any erosion?	☐	☐	
(2) Any cracking?	☐	☐	
(3) Any visual settlement, sloughing, slumps, depressions or bulges?	☐	☐	
(4) Any traffic or animal damage?	☐	☐	
(5) Adequate grass cover?	☐	☐	
(6) Trees or Brush growing on slope?	☐	☐	
(7) Describe seepage areas.			
(8) Describe amount and type of vegetation on dam			
(9) Other (describe)			

Item	Y	N	Remarks
D. Outlet Works (visible elements)			
(1) Any settlement or tilting of outlet structures?	☐	☐	
(2) Do concrete surfaces show spalling, cracking, erosion or exposed reinforcement?	☐	☐	
(3) Metal components – corrosion or breakage?	☐	☐	
(4) Trash rack condition good? Anchor system secure?	☐	☐	
(5) Seepage, undermining or erosion near conduit?	☐	☐	
(6) Describe condition of conduit.			
E. Gates			
(1) Controls operational?	☐	☐	
(2) Controls lubricated?	☐	☐	
(3) Leakage around gates?	☐	☐	
(4) Other (describe)			

Item	Y	N	Remarks
F. Spillways			
(1) Any problems with spillway? *(Alignment, movement, undermining, slides, slumps, erosion, excessive vegetation)*	☐	☐	
(2) Any spalling, exposed reinforcement or cracking in concrete *(if present)*	☐	☐	
(3) Any obstructions in channel or approach area?	☐	☐	
(4) Any problems with discharge area or downstream channel? *(obstructions, erosion, undercutting)*	☐	☐	
(5) Other (describe)			

Item	Y	N	Remarks
G. Instrumentation and Monitoring			
(1) Is instrumentation read periodically?	☐	☐	
(2) Is data available? Note location of data and frequency of measurement. Attach datasheet if possible	☐	☐	
(3) TOE DRAINS: Describe condition (*flowing, recently flowed, dry, damaged, clogged, etc.)*			
(4) WEIRS/FLUMES: Describe condition (*flowing, recently flowed, dry, damaged, obstructions, vegetation)*			
(5) MONITOR WELLS: Describe any problems encountered with obtaining measurements			
(6) Other (describe)			

H. Maintenance Deficiencies
List deficiencies and schedule for repair

I. Operational Problems
List operational problems and recommendations for improvement

J. Summary of Key Items
Notes to follow-up with engineer