

Rapid risk assessment (RRA)

Always fill out the general section. If there is concern for a dam safety incident, complete section 2 as well.
This form is to be filled out to the best of the dam owner's knowledge prior to contacting a qualified professional

IF ANY RED BOXES ARE CHECKED OFF, PROCEED TO THE EMERGENCY ACTION PLAN AFTER COMPLETING THIS QUESTIONNAIRE

SECTION 1: GENERAL INFORMATION

NAME:
ADDRESS:
SITE LOCATION / DESCRIPTION / ACCESS

1. What is the approximate height of the dam? <1m 1-3m >3m

2. What is the maximum approximate volume of water contained by the dam? <1 ML 1 ML-5 ML >5 ML

3. Does the dam have a spillway? YES NO

a. If yes, does the spillway have enough capacity to allow flood overflow? YES NO

b. If yes, is the spillway protected from erosion? YES NO

c. If yes, is the spillway located on natural ground? YES NO

4. If a dam failure occurs, who/what will be affected downstream of the dam? RESIDENT(S) WATER CHANNEL ANOTHER DAM OPEN Paddock PUBLIC ASSET (ROAD, BUILDING) I DON'T KNOW OTHER: _____

SECTION 2: IF THERE IS CONCERN FOR A DAM SAFETY INCIDENT

DATE:

WEATHER:

5. Are there any landslips along the dam?	<input type="checkbox"/> NO	<input type="checkbox"/> YES
6. Is there an increasing flow of seepage?	<input type="checkbox"/> NO	<input type="checkbox"/> YES
7. Is the colour/turbidity of the seepage muddy (ie. not clear)?	<input type="checkbox"/> NO	<input type="checkbox"/> YES
8. Is there a progression of erosion along the dam?	<input type="checkbox"/> NO	<input type="checkbox"/> YES
9. Is the dam overtopping?	<input type="checkbox"/> NO	<input type="checkbox"/> YES
10. What is the likelihood of immediate failure (including timeframe)?	<input type="checkbox"/> UNLIKELY	<input type="checkbox"/> POSSIBLE
	<input type="checkbox"/> LIKELY	<input type="checkbox"/> >24HRS
		<input type="checkbox"/> 1-24 HRS
		<input type="checkbox"/> <1 HR
		<input type="checkbox"/> I DON'T KNOW
11. Can maintenance work be done safely to minimise risk of failure?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
12. Can the water level be lowered safely without increasing risk of failure? i.e. pumping, siphoning, modifying spillway	<input type="checkbox"/> YES	<input type="checkbox"/> NO

SITE PLAN / SKETCH (PLEASE HIGHLIGHT AREAS OF CONCERN)

- include approximate dimensions and distances in metres
- include cross-sections, if possible
- include photos, if possible

RRA CHECKLIST

QUESTIONNAIRE (GENERAL) COMPLETED

QUESTIONNAIRE (IF CONCERN) COMPLETED

SITE PLAN / SKETCH COMPLETED

PHOTOS TAKEN COMPLETED