

# BEAVER DAM & ACTIVITY MONITORING FORM

## OBSERVATION INFO

Observer Name: \_\_\_\_\_

Site ID: \_\_\_\_\_

Observation Date: \_\_\_\_\_

### OBSERVATION TYPE:

- Beaver Dam
- BDSS
- Beaver Activity (no dam)

### OBSERVATION CHRONOLOGY

- New Observation of New Feature
- First Observation of Existing Feature
- First Observation of Relic Feature
- Repeat Observation of Existing Feature

### STATUS

- Active
- Abandon
- Historic/Relic

### CONFIDENCE IN STATUS

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess

### FLOW CONDITION

- Baseflow
- Spring runoff
- Flood
- Post Flood

## POSITIONAL ATTRIBUTES

GPS UTM Easting: \_\_\_\_\_

GPS UTM Northing: \_\_\_\_\_

### DAM LOCATION RELATIVE TO CHANNEL(S)

- On Main Channel
- On Right Side Channel(s)
- On Left Side Channel(s)
- On Left Floodplain
- On Right Floodplain

### PART OF DAM COMPLEX?

Dam Complex ID \_\_\_\_\_

- Start of new dam complex
- Existing dam complex
- NA - Isolated Dam
- NA - Non-Dam

## DAM ATTRIBUTES AT TIME OF SURVEY (IF APPLICABLE)

Max dam height (m) +/- 0.1 m \_\_\_\_\_

Max pond depth (m) +/- 0.1 m \_\_\_\_\_

Water Surface Difference (m) (m) +/- 0.1 m \_\_\_\_\_

Dam Length (m) (m) +/- 1 m \_\_\_\_\_

### DISTANCE UPSTREAM OF POND BACKWATER

- < 5 m
- 5 - 10 m
- 10 - 25 m
- 25 - 50 m
- 50 - 100 m
- > 100 m

### FLOODPLAIN INUNDATION

- During Extreme Floods - River Right
- During Extreme Floods - River Left
- During Seasonal Floods - River Right
- During Seasonal Floods - River Left
- Year Round Inundation - River Right
- Year Round Inundation - River Left

### SIDE CHANNELS

- None
- Single Left
- Multiple Left
- Single Right
- Multiple Right

### DAM MATERIALS USED (CIRCLE DOMINANT)

- Woody branches > 15 cm diameter
- Woody branches < 15 cm diameter
- Mud
- Grass / Reeds
- Other organic
- Cobble or Boulders

### POND EXTENT

- Contained within bankfull channel
- Expanding out onto floodplain
- Drained

### ESTIMATED DAM AGE

- < 1 year
- 1-3 years
- 3-5 years
- 5 -10 years
- > 10 years

## DAM CONDITION (IF APPLICABLE)

### FLOW TYPES

(Specify Value 0-100%; Sum should be 100%)

Flow Over Top \_\_\_\_\_  
Basal Flow \_\_\_\_\_  
Throughflow \_\_\_\_\_  
Flow Around Left \_\_\_\_\_  
Flow Around Right \_\_\_\_\_  
Total Check = 100%?

### DAM BREACH OR BLOWOUT

- In-tact
- Minor breach (< 25 cm height ) on left
- Minor breach (< 25 cm height ) on right
- Minor breach (< 25 cm height ) on center
- Minor basal breach
- Major breach (> 25 cm height ) on left
- Major breach (> 25 cm height ) on right
- Major breach (> 25 cm height ) on center
- Major basal breach
- Blowout (whole height of dam breached)

## RECENT BEAVER ACTIVITY:

Only answer all questions with respect to recent (past 6 months)

### DAM EXPANSION

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### DAM CONSTRUCTION

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### DAM MAINTENANCE

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### SCENT MOUND

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### CANAL DIGGING

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### POND EXCAVATION

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### DAM NOTCHING

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### DRAINING/FLUSHING

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### POND CAPACITY

- Clean
- Minor Sedimentation
- Partial Filling (upto 50% of original pond capacity)
- Major Filling (50% to 95% of original pond capacity)
- Full of sediment (no longer a pond)

### DOMINANT SUBSTRATE IN DEEPEST PART OF POND

- Fines (clays and silts)
- Sands
- Gravels
- Cobble
- Food Cache & Fines

### DOMINANT SUBSTRATE AT POND ENTRANCE

- Fines (clays and silts)
- Sands
- Gravels
- Cobble
- Food Cache & Fines

### NOTES:

### CORN ON THE COB (FORAGING)

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### FELLING OF TREES

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### HARVESTING OF BRANCHES

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### SKID TRAIL USAGE

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity
- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### PRIMARY WOOD HARVESTED

- Aspen
- Cottonwood
- Willow
- Other Hardwoods
- Conifers
- No active harvesting

### ABOVE GROUND LODGE MAINTENANCE OR CONSTRUCTION

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity

### BANK LODGE MAINTENANCE OR CONSTRUCTION

- Certain - Documented Evidence
- Probable - Strong Evidence
- Possible - Anecdotal or Inconclusive Evidence
- Unsure - Just a guess
- No Evidence of Activity