

# Culvert Worksheet Instructions

The EXCEL culvert worksheet has the ability to enter over 400 individual culverts. If the cutting authority requires more culverts than the spreadsheet is designed for then a second EXCEL culvert worksheet will have to be used.

There are three worksheets within the EXCEL culvert worksheet the first is the Individual Culvert Location worksheet on which each tabular culvert is to be recorded.

LOCATION		CULVERT			Appraisal
Road Name	Station #	Type	Diameter	Length	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Appraisal Year	
Year 1	
Year 2	
Year 3	
Year 4	

The second worksheet within the EXCEL culvert worksheet is the Input Info For ECAS. This is the location where the summary by appraisal year information is collected. This information is to be entered into the Culverts (ECAS30) screen in ECAS.

Appraisal Year	Appraisal Year	Appraisal Year	Appraisal Year
Metal Culverts			
Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)
0.3		0.3	
0.4		0.4	
0.5		0.5	
0.6		0.6	
0.7		0.7	
0.8		0.8	
0.9		0.9	
1.0		1.0	
1.2		1.2	
1.4		1.4	
1.6		1.6	
1.8		1.8	
Wooden Culverts			
Total Number		Total Number	

The third worksheet is the summary sheet where calculations are done.

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## Directions

- The summary function must be activated for each appraisal year, this is done on the 'Individual Culvert Location' worksheet. Enter the appraisal year (for example):

- On an initial appraisal when the appraisal year is 2006

Appraisal Year	
2006	Year 1
	Year 2
	Year 3
	Year 4

- On a reappraisal when new culverts that were not in the initial appraisal are to be included, enter the appropriate appraisal year.

Appraisal Year	
2006	Year 1
2007	Year 2
	Year 3
	Year 4

- For each culvert that is to be appraised.

- Enter the road name. This name must exactly match what is in ECAS, this includes any abbreviations and blank spaces between names.

Road Name
South Fork Mainline

- Enter the road station number where the culvert is located. The use of engineering notation for station number is to be used.

Station #
2+146

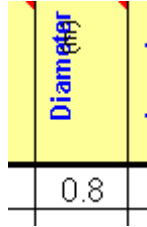
- Enter the type of road section that the culvert is within. This is determined by which method is being used to cost estimate the road section

Bank Height	<b>BH</b>
Road Reconstruction	<b>RR</b>
End Haul	<b>EH</b>
Non-Tabular	<b>NT</b>

#	Type
3	BH

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- (d) Enter the diameter of the metal culvert in metres. The diameter must match the list in the Coast Appraisal Manual for metal culverts.



- (e) Enter the length of the metal culvert in metres. The length must be to the nearest whole number



- (f) Enter the appraisal year. This is the first year that a cost was included in an appraisal for the culvert at this location. The year remains the same even if the culvert size has changed.



3. The summary of all the culverts recorded in the spread sheet is in the Input Info for ECAS worksheet. This information is to recorded on the Culvert (ECAS36) screen

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2		Appraisal Year	2006		Appraisal Year			Appraisal Year			Appraisal Year		
3													
4		Metal Culverts		Metal Culverts		Metal Culverts		Metal Culverts		Metal Culverts		Metal Culverts	
5		Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)	Diameter (m)	Total Length (m)
6													
7		0.3		0.3		0.3		0.3		0.3		0.3	
8		0.4	97	0.4		0.4		0.4		0.4		0.4	
9		0.5		0.5		0.5		0.5		0.5		0.5	
10		0.6	112	0.6		0.6		0.6		0.6		0.6	
11		0.7		0.7		0.7		0.7		0.7		0.7	
12		0.8	37	0.8		0.8		0.8		0.8		0.8	
13		0.9		0.9		0.9		0.9		0.9		0.9	
14		1.0		1.0		1.0		1.0		1.0		1.0	
15		1.2	12	1.2		1.2		1.2		1.2		1.2	
16		1.4		1.4		1.4		1.4		1.4		1.4	
17		1.6		1.6		1.6		1.6		1.6		1.6	
18		1.8		1.8		1.8		1.8		1.8		1.8	
19													
20		Wooden Culverts		Wooden Culverts		Wooden Culverts		Wooden Culverts		Wooden Culverts		Wooden Culverts	
21		Total Number		Total Number		Total Number		Total Number		Total Number		Total Number	