4 **RSMM Field Sheet**

			2013
	Water Body Name:	Unnamed L	ake.
Location (1/4 –	Sec – Rge – Twp – Mer):		-65
	ition (UTM Coordinates):	OP1	
	Land Owner:		
	-	De C	
	Field Personnel:		ondge.
	Date and Time:	Aug 28,2015	5
1. VEGETATION	Coefficients	<u> </u>	
Cover Type (% cover) Forest	0.10	Vegetation cover (%)	Baseline Setback (calculate)
Shrub	0.20		
Herb/graminoid	0.30		
Bare ground	0.50		- Ч
TOTAL	0.50		21
2. SLOPE SETBACK			
Slope Category (%)	Coefficients	Measured slope (%):	Baseline Setback (calculate)
0 - 20%	10 m + 1.0 m / %	S	15
>20%	Geotechnical study*		
TOTAL	deoteennearstady		15
3. GROUNDWATER SUSCEPTIBILITY			15
Groundwater susceptibility	Coefficients (m)	Check one:	Baseline Setback
Extremely Low	10	8	10
Very Low	15	Õ	10
Low	20	ŏ	
Medium Low	30	ŏ	
Medium	40	ŏ	
High	50	Õ	
TOTAL			10
4. Highest Intensity Adjacent Land Use	Coefficients	Check one:	ESA Coefficient
Natural cover	1.0	0	
Agriculture	1.2	Õ	
Agriculture – intensive	1.6	Õ	
Agriculture – confined feeding	2.0		
operations		0	
Residential	1.4	8	1.4
Commercial	1.2	Õ	
Industrial	2.0	0	
TOTAL			1.9
5. OVERALL SETBACK			Overall Setback (calculate)
Baseline Setback	Largest from #1-3;	a)	2
Adjacent land use coefficient	Value from #4:	b)	1.4
Total Overall Setback		Multiply a and b:	29.4

*A geotechnical study must be conducted for the site to determine appropriate setbacks, which must be no less than the value calculated by the RSMM. Areas with slopes greater than 20% do not contribute to further riparian buffer width in this case.

** from Edmonton-Calgary Corridor Groundwater Atlas



©2015 Aquality Environmental Consulting Ltd.



4 **RSMM Field Sheet**

4 Noivilyi Held Sileet		1.	
	Water Body Name:	Unnamed La	KP
location $(1/4 -$	Sec – Rge – Twp – Mer):		15
	tion (UTM Coordinates):	002	
	Land Owner:		
		Occas C 1	
	Field Personnel:	Deanna Camb	mage
	Date and Time:	Aug 20,2015	0
1. VEGETATION		1	
Cover Type (% cover)	Coefficients	Vegetation cover (%)	Baseline Setback (calculate)
Forest	0.10	10	
Shrub	0.20	60	12
Herb/graminoid	0.30	30	4
Bare ground	0.50		00
TOTAL			20
2. SLOPE SETBACK			
Slope Category (%)	Coefficients	Measured slope (%):	Baseline Setback (calculate)
0 - 20%	10 m + 1.0 m / %	2	12
>20%	Geotechnical study*		10
TOTAL			12
3. GROUNDWATER SUSCEPTIBILITY			
Groundwater susceptibility	Coefficients (m)	Check one:	Baseline Setback
Extremely Low	10	×	10
Very Low	15	Ö	
Low	20	0	
Medium Low	30	Ō	
Medium	40	0	
High	50	0	1.14
TOTAL			0
4. Highest Intensity Adjacent Land Use	Coefficients	Check one:	ESA Coefficient
Natural cover	1.0	0	
Agriculture	1.2	0	
Agriculture – intensive	1.6	0	
Agriculture – confined feeding	2.0		
operations		0	
Residential	1.4	× O	1.9
Commercial	1.2	Ō	
Industrial	2.0	0	
TOTAL			1.4
5. OVERALL SETBACK			Overall Setback (calculate)
Baseline Setback	Largest from #1-3:	a)	22
Adjacent land use coefficient	Value from #4:	b)	1.4
Total Overall Setback		Multiply a and b:	30.8

*A geotechnical study must be conducted for the site to determine appropriate setbacks, which must be no less than the value calculated by the RSMM. Areas with slopes greater than 20% do not contribute to further riparian buffer width in this case.

** from Edmonton-Calgary Corridor Groundwater Atlas



©2015 Aquality Environmental Consulting Ltd.



4 **RSMM Field Sheet**

		× 30	
	Water Body Name:	Unnamed La	Ke
Location (1/4 –	SE-12-54-1-65		
	tion (UTM Coordinates):	003	
Setback point lota	Land Owner:	010	
		00. 0	hil o
	Field Personnel:	Jeanna Cam	Dricge
	Date and Time:	Aug 28,201.	5 0
1. VEGETATION		<u> </u>	
Cover Type (% cover)	Coefficients	Vegetation cover (%)	Baseline Setback (calculate)
Forest	0.10		0
Shrub	0.20	1Q	-
Herb/graminoid	0.30		2
Bare ground	0.50	20	10
TOTAL			
2. SLOPE SETBACK			
Slope Category (%)	Coefficients	Measured slope (%):	Baseline Setback (calculate)
0 - 20%	10 m + 1.0 m / %		
>20%	Geotechnical study*		
TOTAL			<u>11</u>
3. GROUNDWATER SUSCEPTIBILITY			
Groundwater susceptibility	Coefficients (m)	Check one:	Baseline Setback
Extremely Low	10	× 00	10
Very Low	15	Q	
Low	20	Q	
Medium Low	30	Ŏ	
Medium	40	Q	
High	50	0	16
TOTAL			[O
4. Highest Intensity Adjacent Land Use	Coefficients	Check one:	ESA Coefficient
Natural cover	1,0	O	
Agriculture	1.2	0	
Agriculture – intensive	1,6	0	
Agriculture – confined feeding	2.0		
operations		<u>O</u>	
Residential	1.4	×	1.4
Commercial	1.2	0	
Industrial	2.0	0	
TOTAL			1,9
5. OVERALL SETBACK			Overall Setback (calculate)
Baseline Setback	Largest from #1-3:	a)	33
Adjacent land use coefficient	Value from #4:	b)	1.9
Total Overall Setback		Multiply a and b:	(46.2

*A geotechnical study must be conducted for the site to determine appropriate setbacks, which must be no less than the value calculated by the RSMM. Areas with slopes greater than 20% do not contribute to further riparian buffer width in this case.

** from Edmonton-Calgary Corridor Groundwater Atlas



©2015 Aquality Environmental Consulting Ltd.

