

Chipmunk Solar

Exhibit Q

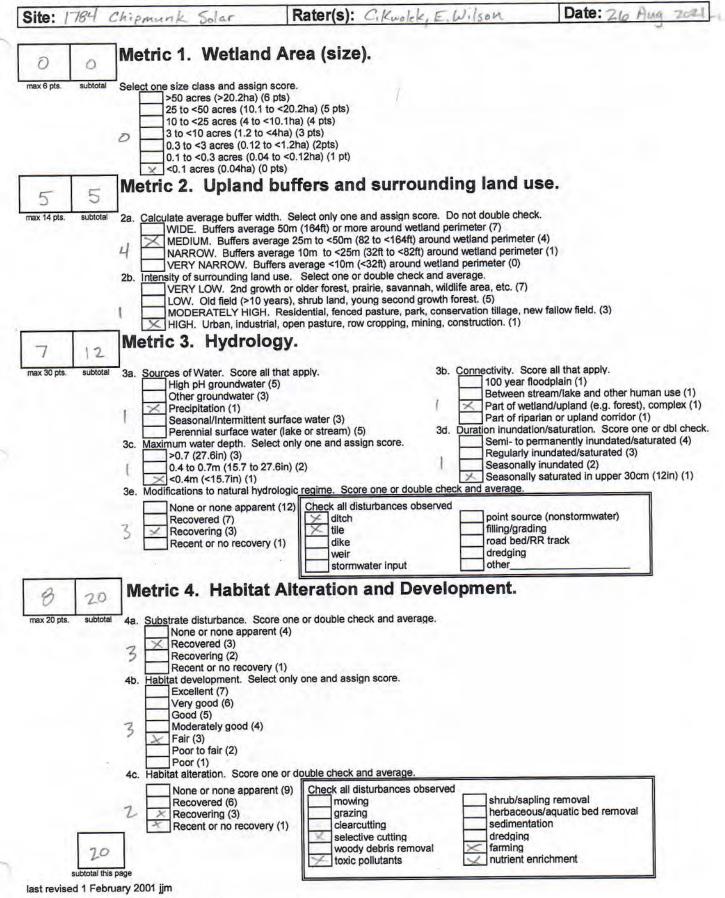
Ecological Assessment Report

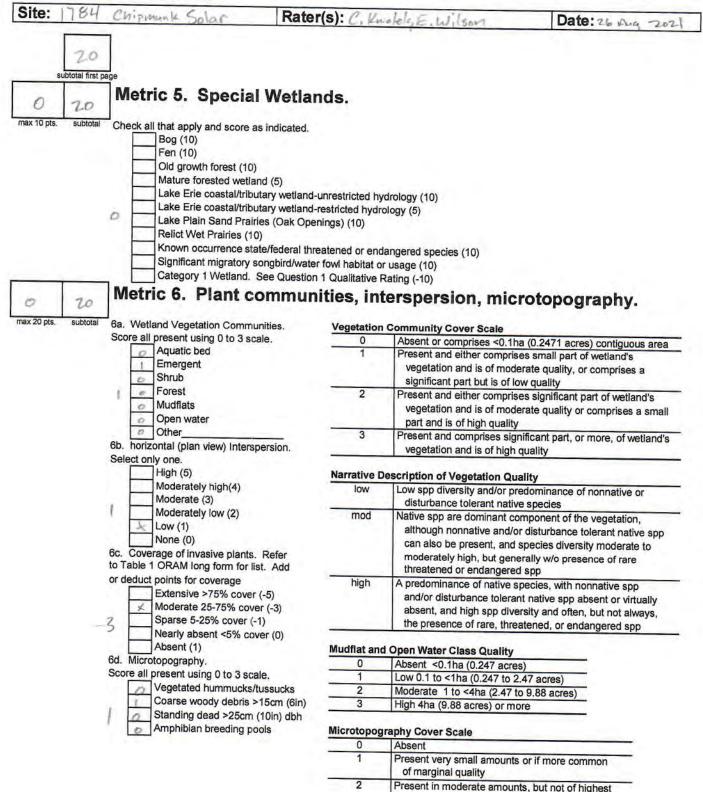
Filing 5 of 10

Case No. 21-0960 EL BGN

APPENDIX C

ORAM Wetland Evaluation Data Forms





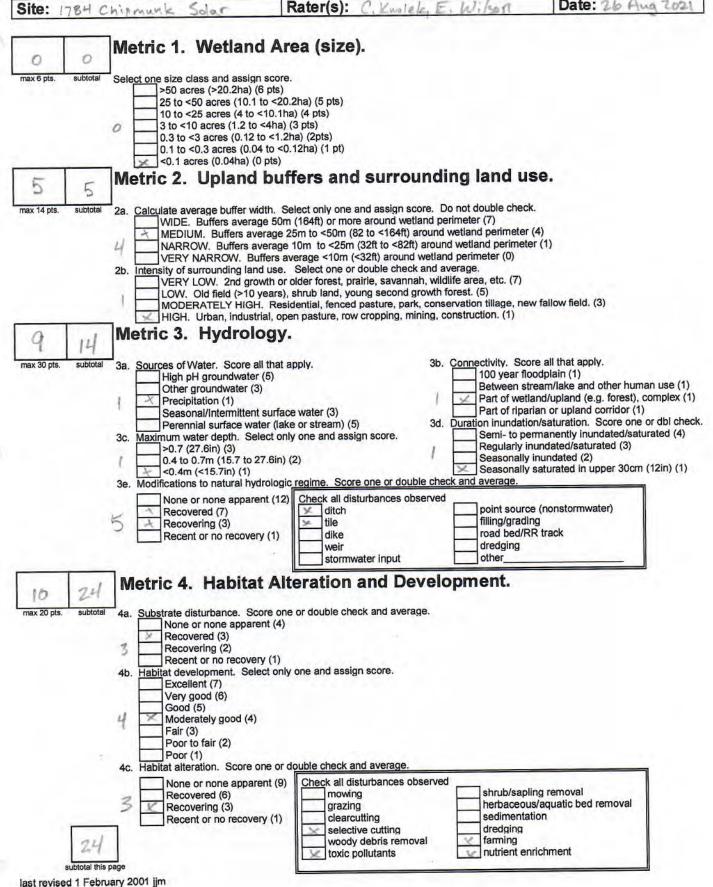
20

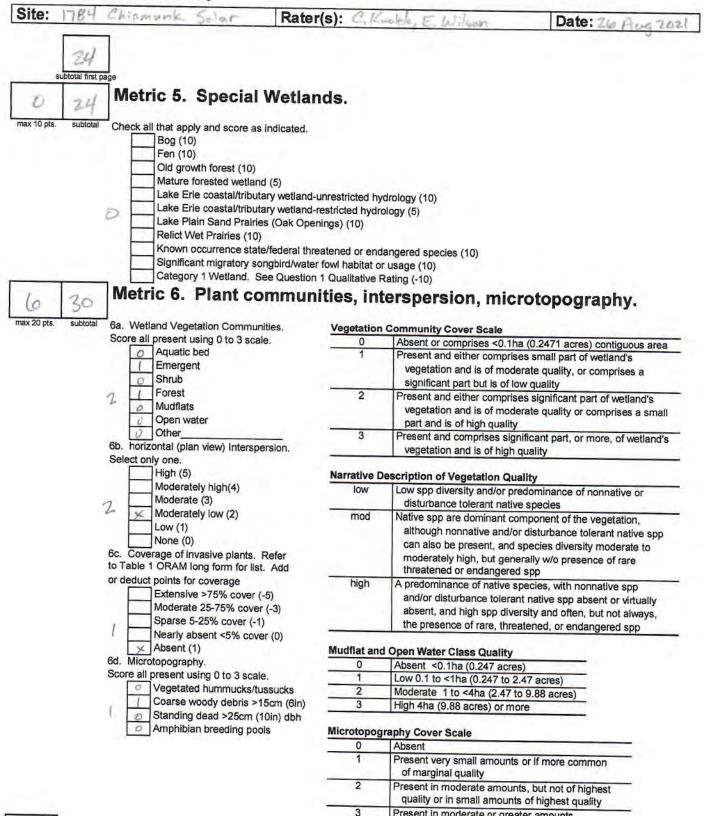
End of Quantitative Rating. Complete Categorization Worksheets.

3

quality or in small amounts of highest quality

Present in moderate or greater amounts

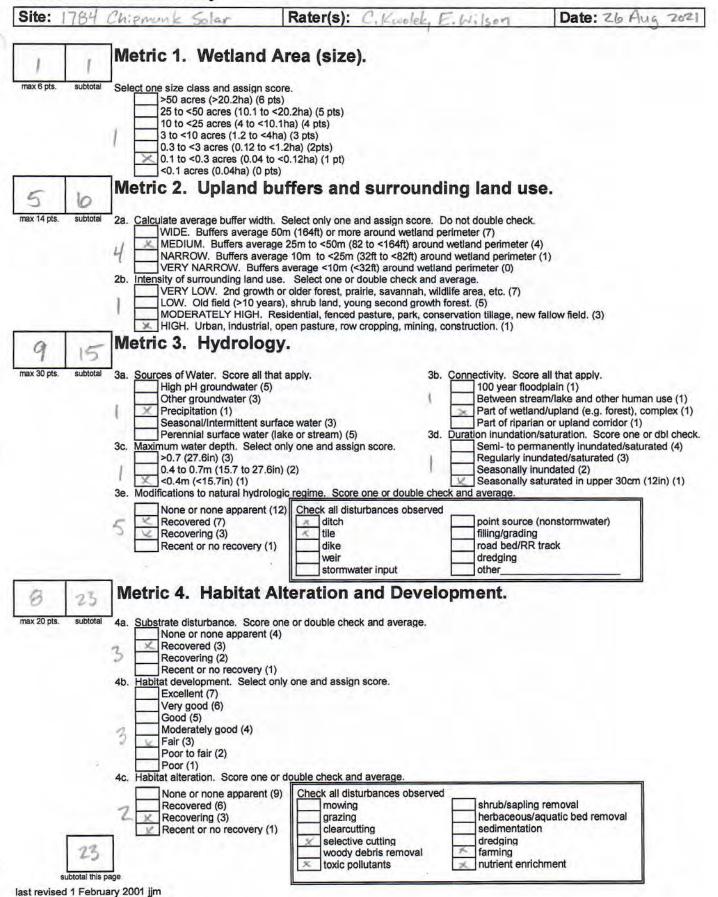


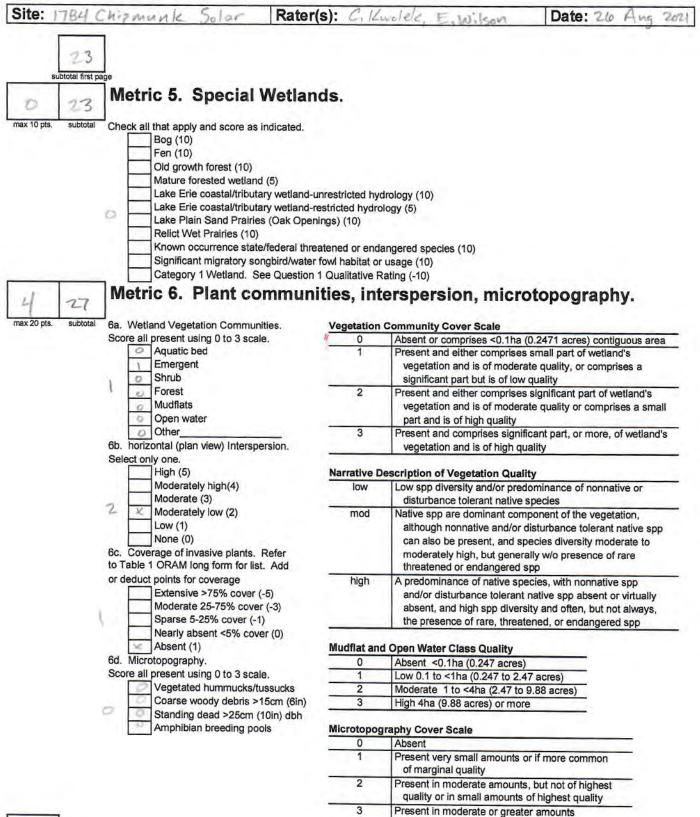




End of Quantitative Rating. Complete Categorization Worksheets.

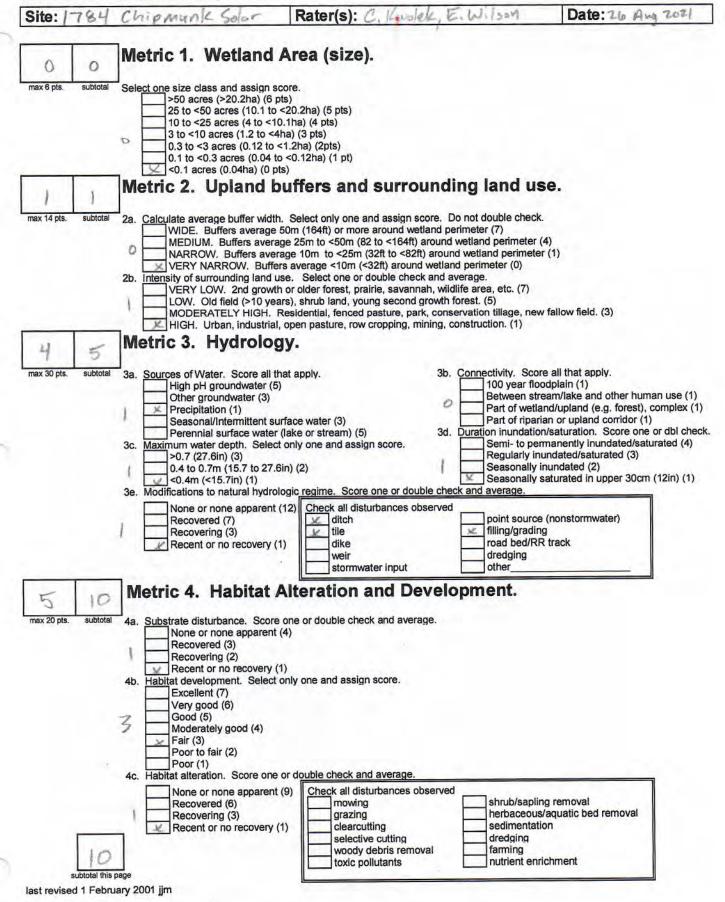
Present in moderate or greater amounts

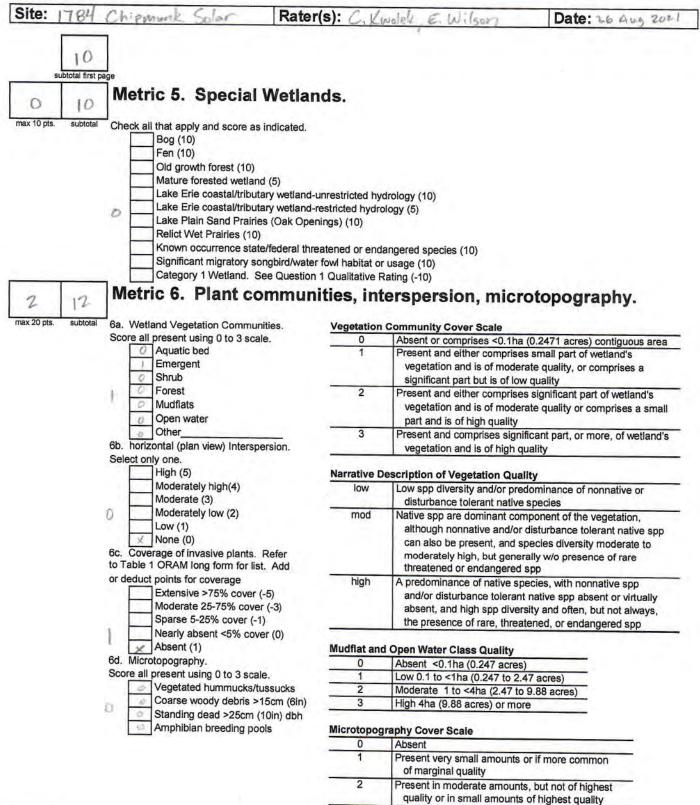




27

End of Quantitative Rating. Complete Categorization Worksheets.



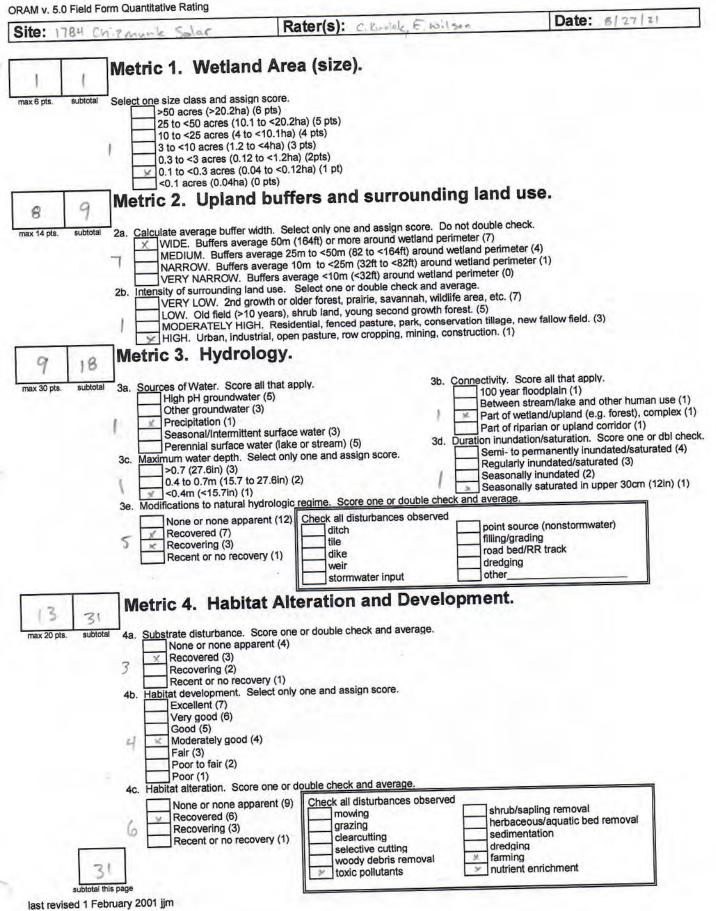


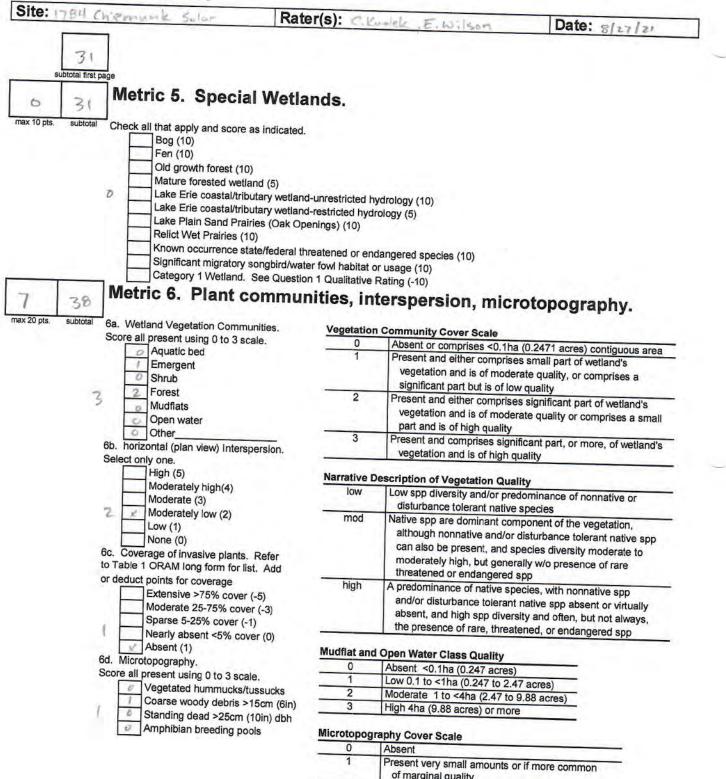
12

End of Quantitative Rating. Complete Categorization Worksheets.

3

Present in moderate or greater amounts

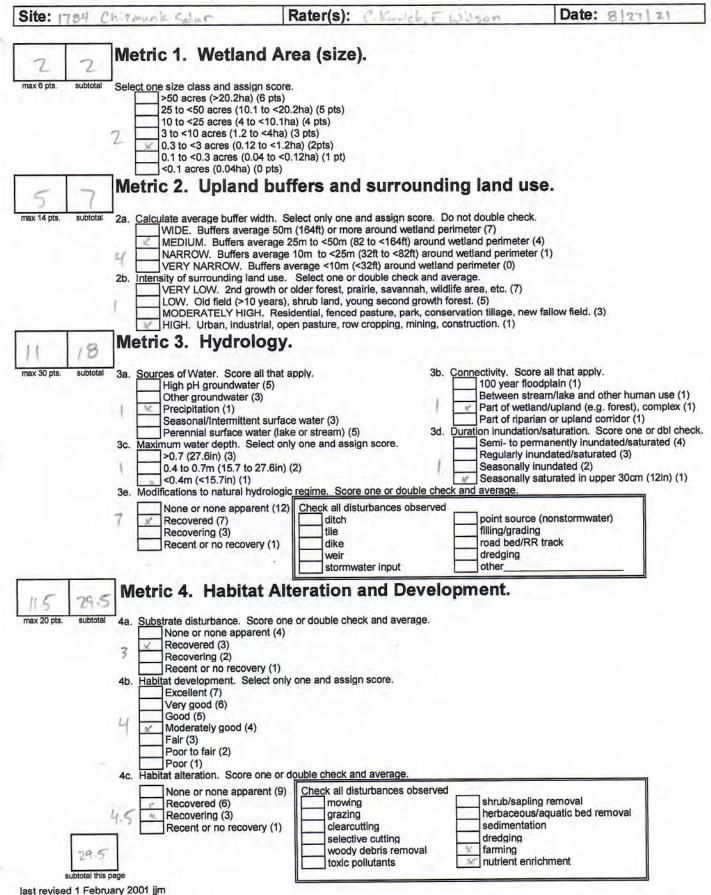


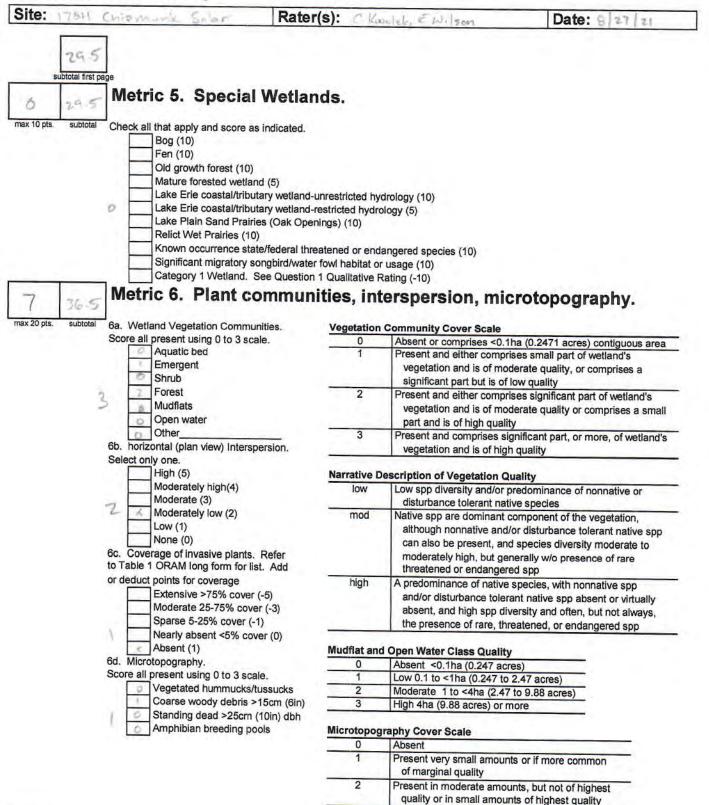


1	Present very small amounts or if more common of marginal quality
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
3	Present in moderate or greater amounts and of highest quality

38

End of Quantitative Rating. Complete Categorization Worksheets.



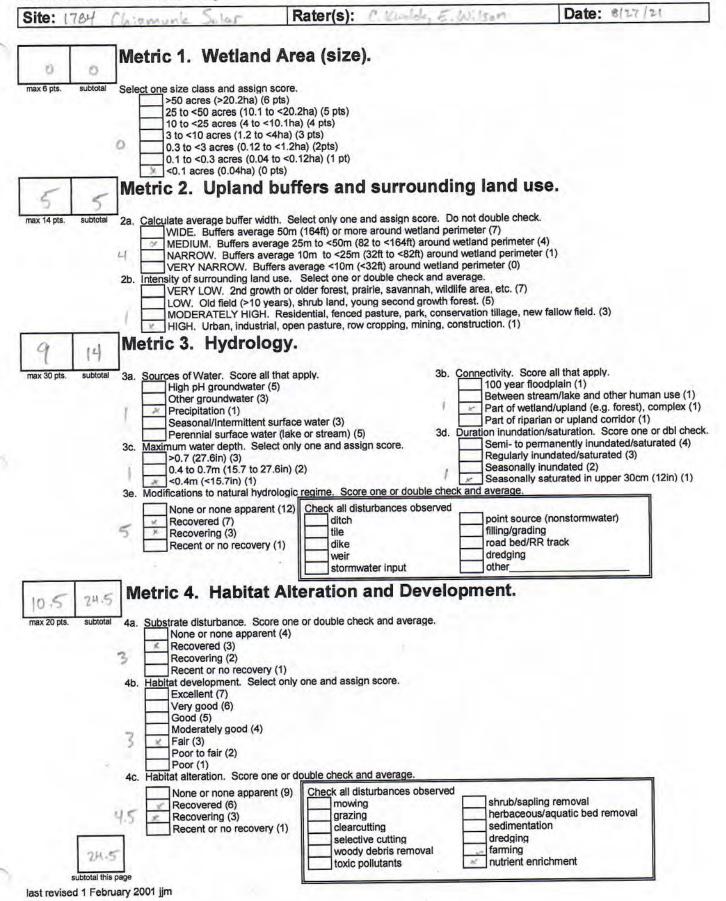


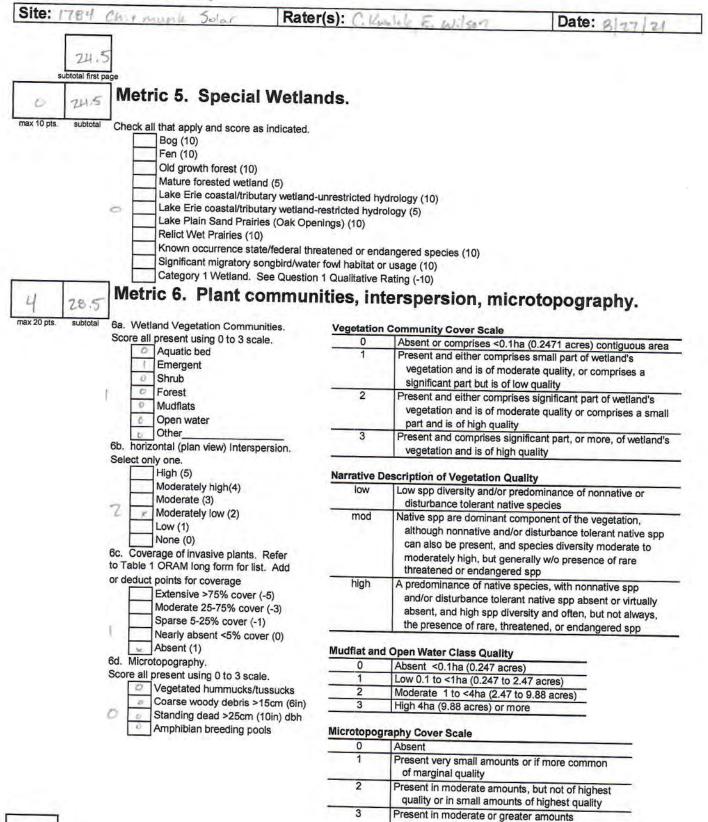


End of Quantitative Rating. Complete Categorization Worksheets.

3

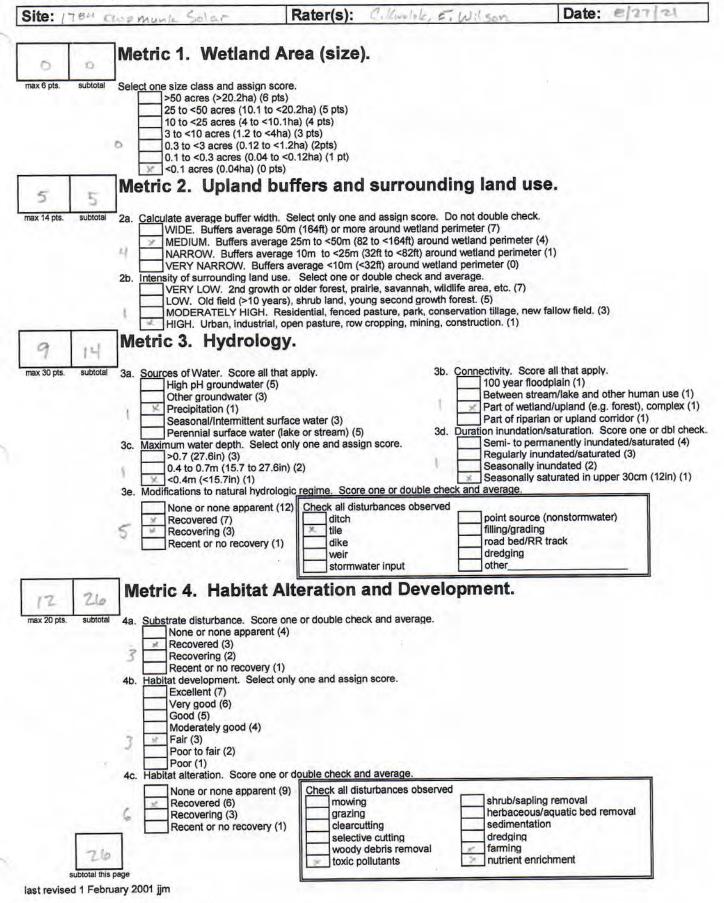
Present in moderate or greater amounts

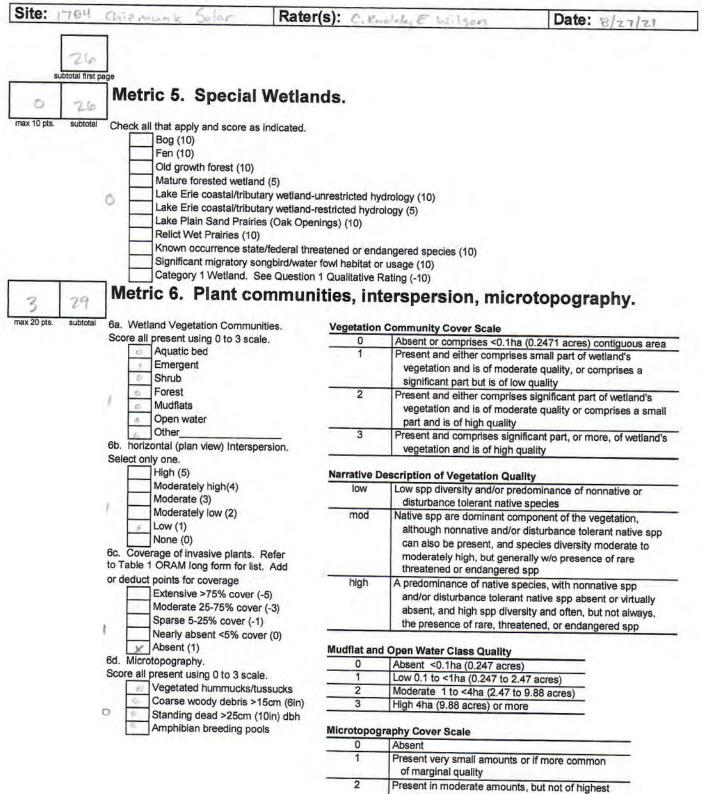




28.5

End of Quantitative Rating. Complete Categorization Worksheets.







End of Quantitative Rating. Complete Categorization Worksheets.

3

quality or in small amounts of highest quality

Present in moderate or greater amounts

1-I PFO

ORAM v. 5.0 Field Form Quantitative Rating

1	1	Metric 1. Wetland Area (size).
nax 6 pts.	subtotal	Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts)
2	3	Metric 2. Upland buffers and surrounding land use.
nax 14 pts.	subtotal	2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE, Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
12	15	Metric 3. Hydrology.
nax 30 pts.	subtotal	3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Precipitation (1) Precipitation (1) Between stream/lake and other human use (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) 3c. Maximum water depth. Select only one and assign score. 3d. Duration inundation/saturation. Score one or dbl che >0.7 (27.6in) (3) Seasonally inundated (2) <0.4 tn (<15.7 in) (1)
		None or none apparent (12) Check all disturbances observed Recovered (7) ditch Recovering (3) ditch Recent or no recovery (1) dike road bed/RR track dredging other other
R	22	Metric 4. Habitat Alteration and Development.
max 20 pts.	subtotal	4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average. None or none apparent (9)
		Recovered (6) mowing shrub/sapling removal Recovering (3) grazing herbaceous/aquatic bed removal Recent or no recovery (1) clearcutting sedimentation

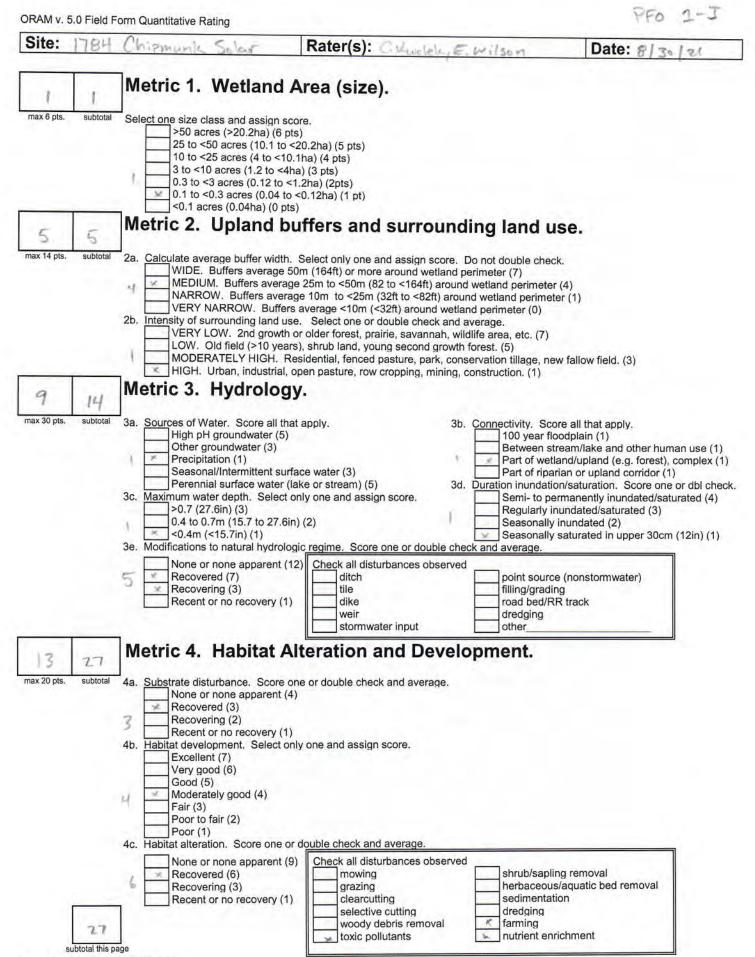
I-I PFO

Site: Ch	ipm	ne	Sular Project	Rater(s): Cu	ilson C. hadek	Date: 02/40/20
	1.2.	1			1	2-1
aubtet	tal first p					
SUDIOL	tal first p	1		State Carlo		
9	13	Me	tric 5. Special V	Wetlands.		
x 10 pts. s	ubtotal	Chec	k all that apply and score as i	ndicated		
		Ē	Bog (10)	nonoutou.		
			Fen (10)			
			Old growth forest (10)			
		- 1	Mature forested wetland	(5)		
		0	Lake Erie coastal/tributa	ry wetland-unrestricted h	ydrology (10)	
		H	Lake Plain Sand Prairies	ry wetland-restricted hydr	rology (5)	
			Relict Wet Prairies (10)	(Oak Openings) (10)		
		- T		federal threatened or end	dangered species (10)	
			Significant migratory son	gbird/water fowl habitat o	or usage (10)	
	-	. [Category 1 Wetland. Se	e Question 1 Qualitative	Rating (-10)	
		Me	tric 6. Plant con	mmunities in	terspersion, micro	tonography
0	29	1		initialities, in	terspersion, micro	topography.
x 20 pts. st	ubtotal	6a. V	Vetland Vegetation Communit	ties. Vegetation	n Community Cover Scale	
		Score	all present using 0 to 3 scale	0	Absent or comprises <0.1ha (0	2471 acres) contiguous area
			Aquatic bed	1	Present and either comprises a	mall part of wetland's
		F	Emergent		vegetation and is of moderate	e quality, or comprises a
		+	Shrub Farrat		significant part but is of low q	uality
	- 1	-	Forest Mudflats	2	Present and either comprises s	significant part of wetland's
		- F	Open water			e quality or comprises a small
			Other	3	Present and comprises signific	ant part or more of untilandia
		6b. h	orizontal (plan view) Intersper		vegetation and is of high qua	
			t only one.		togetation and to of high qua	ity
		-	High (5)	Narrative I	Description of Vegetation Quality	1
		-	Moderately high(4)	low	Low spp diversity and/or predo	minance of nonnative or
	~		Moderate (3) Moderately low (2)		disturbance tolerant native sp	
	2	1	Low (1)	mod	Native spp are dominant comp	onent of the vegetation,
		L F	None (0)		although nonnative and/or dis can also be present, and spe	cies diversity moderate to
			overage of invasive plants. F		moderately high, but generall	v w/o presence of rare
			le 1 ORAM long form for list.	Add	threatened or endangered sp	p
		or ded	luct points for coverage	high	A predominance of native spec	ies, with nonnative spp
		H	Extensive >75% cover (- Moderate 25-75% cover		and/or disturbance tolerant na	ative spp absent or virtually
		H	Sparse 5-25% cover (-1)	(-3)	absent, and high spp diversity	y and often, but not always,
		11	Nearly absent <5% cover	r (0)	the presence of rare, threater	hed, or endangered spp
			Absent (1)	A	d Open Water Class Quality	
			icrotopography.	0	Absent <0.1ha (0.247 acres)	
		Score	all present using 0 to 3 scale		Low 0.1 to <1ha (0.247 to 2.47	acres)
		H	Vegetated hummucks/tus		Moderate 1 to <4ha (2.47 to 9.	88 acres)
		2 -	Coarse woody debris >15 Standing dead >25cm (10		High 4ha (9.88 acres) or more	
			Amphibian breeding pool		graphy Covor Seele	
		L		0	graphy Cover Scale Absent	
					Present very small amounts or	if more common
					of marginal quality	in more common

1	Present very small amounts or if more common of marginal quality
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
3	Present in moderate or greater amounts and of highest quality



End of Quantitative Rating. Complete Categorization Worksheets.



last revised 1 February 2001 jim

Site: 1784	Chieperunk Solar Rate	r(s):	ele, E. W. Isom Date: 8/30/21
	1		
27			
subtotal first	page		
0 27	Metric 5. Special Wetla	nds.	
nax 10 pts. subtota	and and an other off a		
	Bog (10) Fen (10)		
	Old growth forest (10)		
	Mature forested wetland (5)		
	Lake Erie coastal/tributary wetland		
	Lake Erie coastal/tributary wetland		ogy (5)
	Lake Plain Sand Prairies (Oak Op	enings) (10)	
	Relict Wet Prairies (10) Known occurrence state/federal th	preatened or enda	ngered species (10)
	Significant migratory songbird/wat		
	Category 1 Wetland. See Question		
12			erspersion, microtopography.
6 3	All the start commu	mues, mu	cispersion, more copography.
max 20 pts. subtot	6a. Wetland Vegetation Communities.	Vegetation	Community Cover Scale
110X 20 pts. 50000	Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous a
	Aquatic bed	1	Present and either comprises small part of wetland's
	Emergent		vegetation and is of moderate quality, or comprises a
	Shrub		significant part but is of low quality
	7 Forest	2	Present and either comprises significant part of wetland's
	Mudflats		vegetation and is of moderate quality or comprises a sr part and is of high quality
	Open water Other	3	Present and comprises significant part, or more, of wetland
	6b. horizontal (plan view) Interspersion.	U U	vegetation and is of high quality
	Select only one.		
	High (5)	Narrative D	escription of Vegetation Quality
	Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	Moderate (3)	mod	disturbance tolerant native species Native spp are dominant component of the vegetation,
	Z Moderately low (2) Low (1)	mod	although nonnative and/or disturbance tolerant native s
	None (0)		can also be present, and species diversity moderate to
	6c. Coverage of invasive plants. Refer		moderately high, but generally w/o presence of rare
	to Table 1 ORAM long form for list. Add	-	threatened or endangered spp
	or deduct points for coverage	high	A needensingness of notice angeles with perpetite and
		high	A predominance of native species, with nonnative spp
	Extensive >75% cover (-5)	nigh	and/or disturbance tolerant native spp absent or virtual
	Extensive >75% cover (-5) Moderate 25-75% cover (-3)	tiigit	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)		and/or disturbance tolerant native spp absent or virtual
	Extensive >75% cover (-5) Moderate 25-75% cover (-3)		and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.	Mudflat and	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres)
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.	Mudflat and	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.	Mudflat and 0 1 2	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres)
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.	Mudflat and 0 1 2) 3	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres)
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in Standing dead >25cm (10in) dbh	Mudflat and 0 1 2) 3	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.	Mudflat and 0 1 2) 3 Microtopog	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more raphy Cover Scale
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in Standing dead >25cm (10in) dbh	Mudflat and 0 1 2) 3	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more raphy Cover Scale Absent
	Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in Standing dead >25cm (10in) dbh	Mudflat and 0 1 2) 3 Microtopog	and/or disturbance tolerant native spp absent or virtual absent, and high spp diversity and often, but not alway the presence of rare, threatened, or endangered spp Open Water Class Quality Absent <0.1ha (0.247 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Moderate 1 to <4ha (2.47 to 9.88 acres) High 4ha (9.88 acres) or more raphy Cover Scale

33

End of Quantitative Rating. Complete Categorization Worksheets.

3

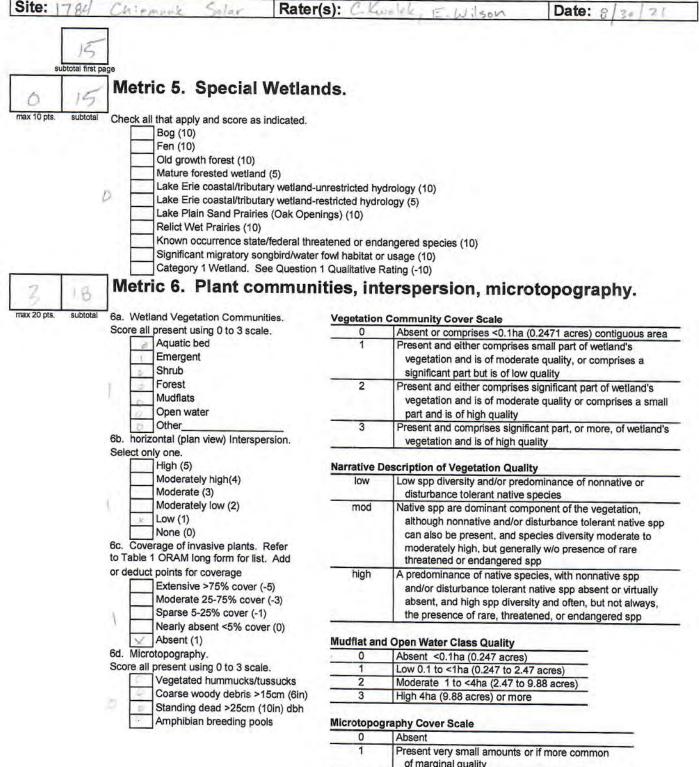
quality or in small amounts of highest quality Present in moderate or greater amounts

Site:	1784	Chiemunk	Selet	Rater(s):	C. Lwolek,	E. Wilson	Date: 8 30/21
0	0	Metric 1.	Wetland	Area (size)).		
max 6 pts.	subtotal	>50 ac 25 to < 10 to < 3 to <1 0.3 to <1 0.1 to <	dass and assign so res (>20.2ha) (6 p :50 acres (10.1 to :25 acres (4 to <10 0 acres (1.2 to <4 <3 acres (0.12 to < <0.3 acres (0.04 to cres (0.04ha) (0 pt	ts) <20.2ha) (5 pts) 0.1ha) (4 pts) ha) (3 pts) <1.2ha) (2pts) o <0.12ha) (1 pt)			
5	5	Metric 2.	Upland b	uffers and	surround	ing land use).
max 14 pts.	subtotal	2b. Intensity of s VERY	Buffers average JM. Buffers avera OW. Buffers avera NARROW. Buffers surrounding land u LOW. 2nd growth Old field (>10 yes RATELY HIGH. F	50m (164ft) or more ge 25m to <50m (8 age 10m to <25m rs average <10m (< se. Select one or or older forest, pra trs), shrub land, you Residential, fenced	a around wetland per 2 to <164ft) around (32ft to <82ft) around (32ft) around wetlar (32ft) around wetlar double check and a uirie, savannah, wild ung second growth	wetland perimeter (4) Id wetland perimeter (Id perimeter (0) verage. Ilife area, etc. (7) forest. (5) ervation tillage, new fi	1)
5	10		Hydrolog	Contraction of the second second			
max 30 pts.	subtotal	Contemporation and the seaso of	ater depth. Select 27.6in) (3) 0.7m (15.7 to 27.6 (<15.7in) (1)	rface water (3) (lake or stream) (5) conly one and assig (in) (2) ogic <u>regime. Score</u>	n score.	Part of wetland Part of ripariar Duration inundation/s Semi- to perm Regularly inun Seasonally inu Seasonally sa ck and average.	plain (1) m/lake and other human use (1) l/upland (e.g. forest), complex (1) or upland corridor (1) aturation. Score one or dbl chec anently inundated/saturated (4) dated/saturated (3)
		Recov	or none apparent (rered (7) rering (3) tt or no recovery (1	I) ditch tile dike weir	urbances observed ater input		nonstormwater) rack
5	15	Metric 4.	Habitat /	Alteration	and Develo	opment.	
max 20 pts.	subtotal	L None Recov Recer 4b. Habitat dev Excell Very of Good Fair (3 Poor (or none apparent i vered (3) vering (2) it or no recovery (* elopment. Select of ent (7) good (6) (5) rately good (4) 3) o fair (2) (1)		n score.		
		Z Recov	or none apparent vered (6) vering (3) nt or no recovery ((9) Check all dis mowing grazing	urbances observed	shrub/sapling	quatic bed removal

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1-K

1



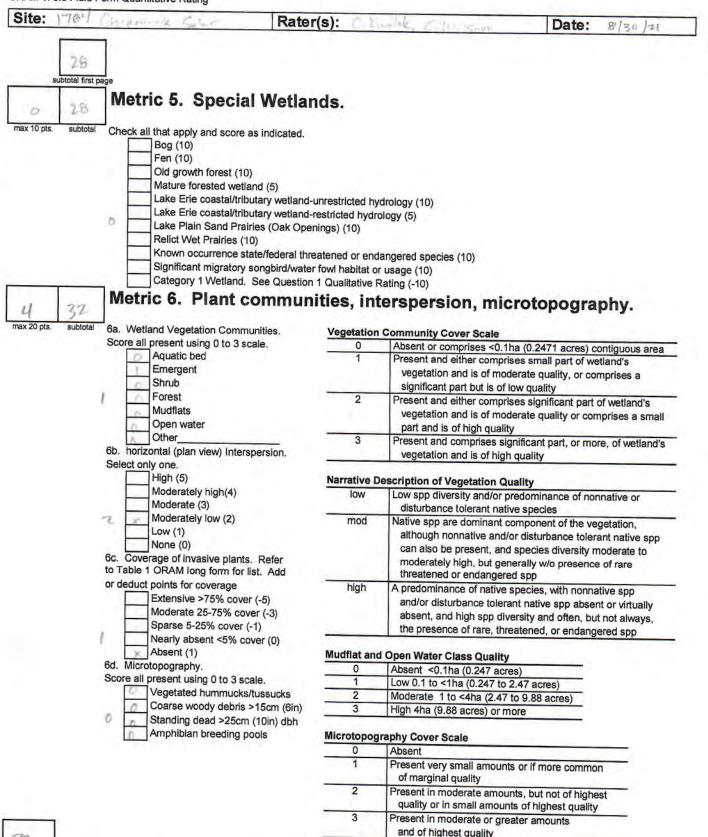
	of marginal quality
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
3	Present in moderate or greater amounts and of highest guality



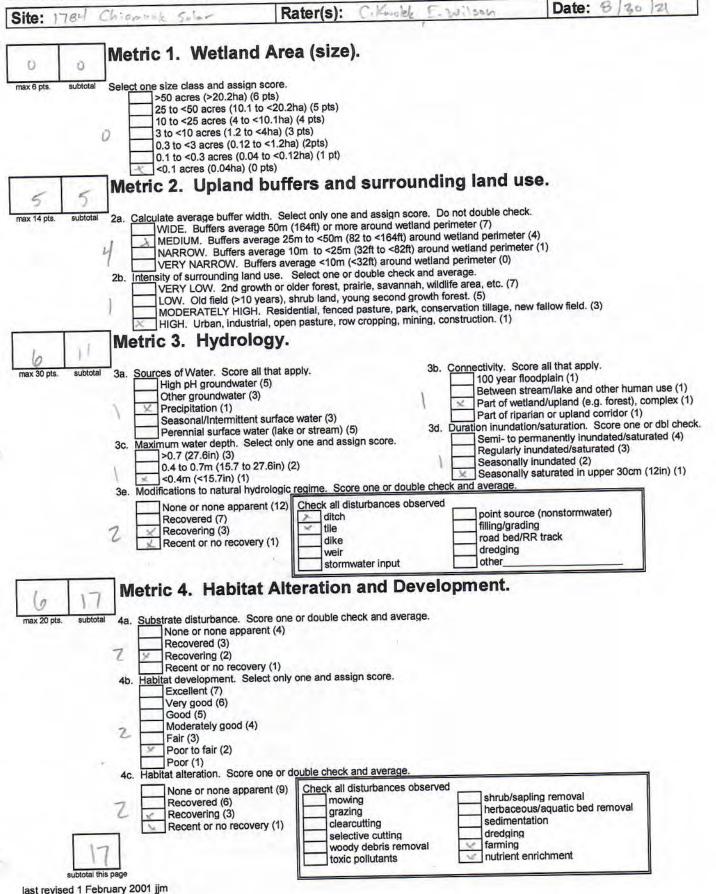
End of Quantitative Rating. Complete Categorization Worksheets.

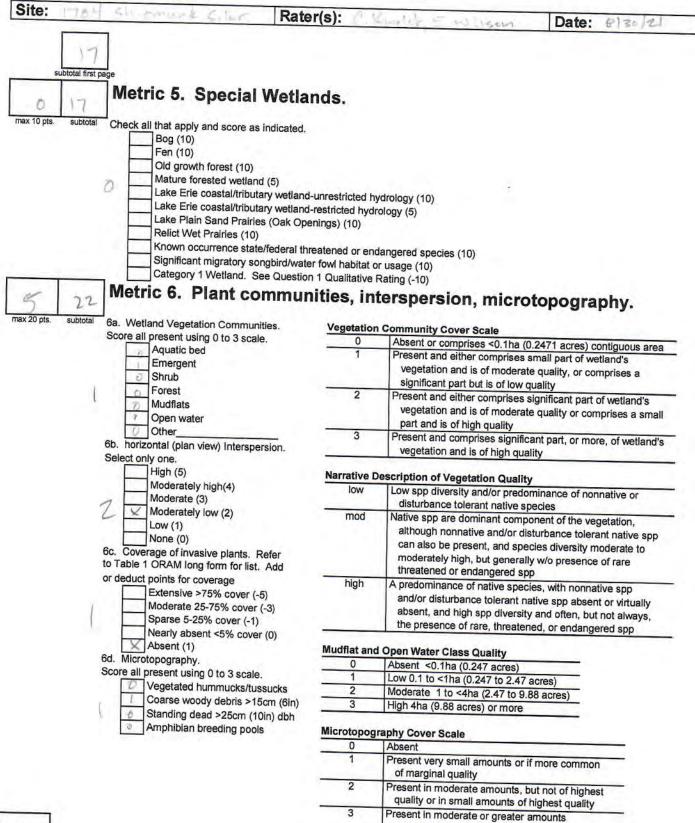
nax 14 pts. s	subtotal	Metric 1. Wetland Area (size). Select one size class and assign score. >>50 acres (>20.2ha) (6 pts) 1 25 to <50 acres (10.1 to <20.2ha) (5 pts) 1 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (0.12 to <1.2ha) (2 pts) 0.3 to <3 acres (0.04ha) (0 pts) Metric 2. Upland buffers and surrounding land use. 28. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (1) VERY LOW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY LOW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY LOW. And growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrub land, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. 3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply.
nax 14 pts. s	7 subtotal	 >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts) 0.3 to <3 acres (0.12 to <1.2ha) (2 pts) 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts) Metric 2. Upland buffers and surrounding land use. 2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 25m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrub land, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. 3a. Sources of Water. Score all that apply.
9	subtotal	 2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrub land, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. 3a. Sources of Water. Score all that apply.
9	16	WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
9 max 30 pts. s		Metric 3. Hydrology. 3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply.
max 30 pts. s		
		High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Seasonal/Intermittent surface water (3) Part of wetland/upland (e.g. forest), complex (1) Perennial surface water (lake or stream) (5) 3d. Duration inundation/saturation. Score one or dbl cheets >0.7 (27.6in) (3) Seasonally inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally inundated (2) <
		Note or none apparent (12) Check all disturbances observed point source (nonstormwater) Recovering (3) tile filling/grading Recent or no recovery (1) dike road bed/RR track weir dredging stormwater input other_
12	28	Metric 4. Habitat Alteration and Development.
max 20 pts.	subtotal	 4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average.
Г	28	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no reco

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End of Quantitative Rating. Complete Categorization Worksheets.

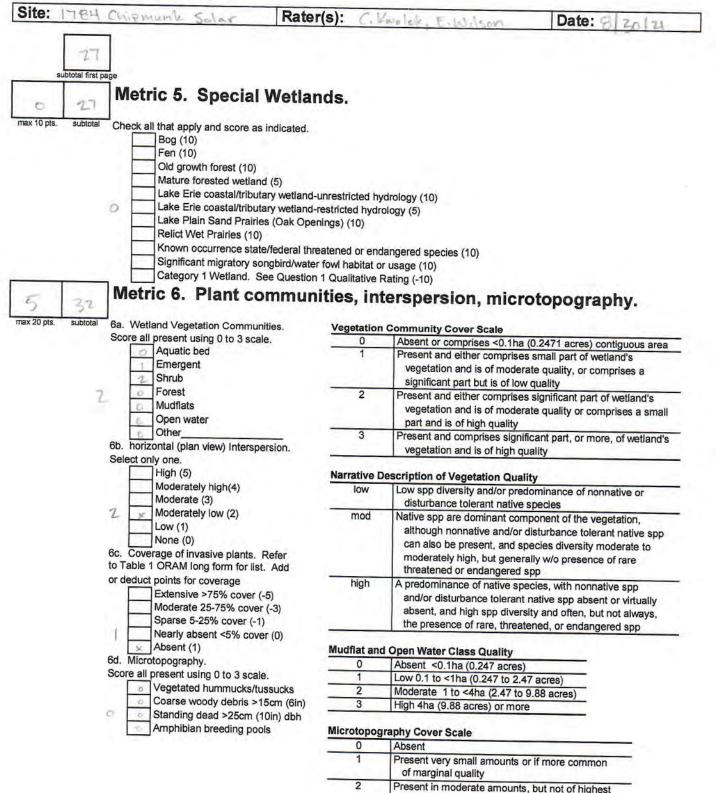






End of Quantitative Rating. Complete Categorization Worksheets.

0	0	Metric 1. Wetland Area (size).
ax 6 pts.	subtotal	Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts) 0 0.3 to <3 acres (0.12 to <1.2ha) (2pts) 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) × <0.1 acres (0.04ha) (0 pts)
6	lo	Metric 2. Upland buffers and surrounding land use.
ax 14 pts.	subtotal	2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
9	15	Metric 3. Hydrology.
nax 30 pts.	subtotal	3a. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Other groundwater (3) Between stream/lake and other human use (1) Precipitation (1) Part of wetland/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) Sc. Maximum water depth. Select only one and assign score. Semi- to permanently inundated/saturated (4) >0.7 (27.6in) (3) Seasonally inundated/saturated (3) At to 0.7m (15.7 to 27.6in) (2) Seasonally saturated in upper 30cm (12in) (1) Seasonally saturated in upper 30cm (12in) (1)
		Se. Modifications to natural injurition of tegrine. Score one of could on excercise check and declage. Se. Modifications to natural injurition of tegrine. Score one of could on excercise check and declage. Se. Modifications to natural injurition of tegrine. Score one of could on excercise check and declage. Se. Modifications to natural injurition of tegrine. Score one of could on excercise check and declage. Se. Modifications to natural injurition of tegrine. Score one of could on excercise check and declage. Se. Modifications to natural injurition of tegrine. Score one of could one of tegrine of tegrine. Score one of tegrine. Score one of tegrine of tegrine. Score one of tegrine of tegrine. Score one of tegrine of tegrine. Score one of tegrine. Score one of tegrine of tegrine. Score one of tegrine one one one of tegrine. Score one of tegrine one one one one one one one one one o
12	27	Metric 4. Habitat Alteration and Development.
max 20 pts.	subtotal	4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recovering (2) Substrate development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor (1) Poor (1) 4c. Habitat alteration. Score one or double check and average.
		None or none apparent (9) Check all disturbances observed Kecovered (6) mowing grazing herbaceous/aquatic bed removal
	-	Recent or no recovery (1) Recent or no recovery (1) selective cutting woody debris removal farming

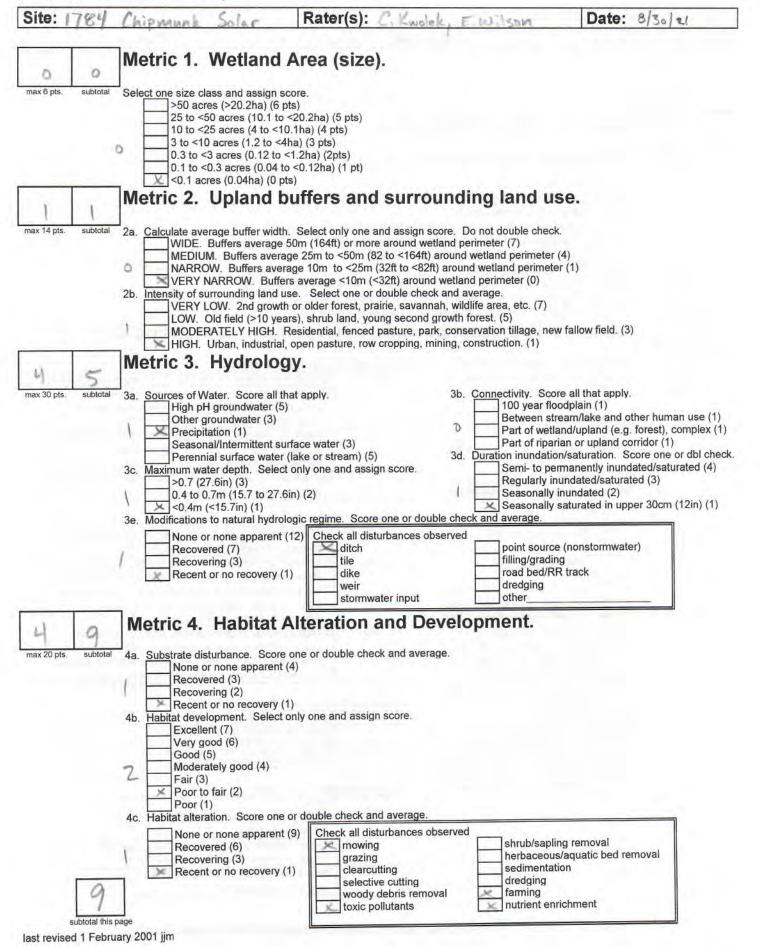


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End of Quantitative Rating. Complete Categorization Worksheets.

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quality or in small amounts of highest quality Present in moderate or greater amounts



ite:	184	Chi) lie byth areas	K Solar	Rater	(s):	-61	E. W. Isom	Date: 8/30/21
Г	0	1							
	7								
subt	total first pa	ge							
	1.57	M	etric 4	5. Specia	al Wotlan	ahe			
0	9		cuire .	o. opecie	ai wectiai	ius.			
x 10 pts.	subtotal	Cha			and a structure of				
x to pis.	subtotal	Cne		apply and score (10)	as indicated.				
				(10)					
				growth forest (1)	0)				
				ure forested wet					
				e Erie coastal/tri		unrestricted hyd	drology (10	0)	
				e Erie coastal/tril				1	
		4.5	Lake	e Plain Sand Pra	airies (Oak Open	nings) (10)			
				ct Wet Prairies (
				wn occurrence s					
				nificant migratory					
			Cate	egory 1 Wetland	. See Question	1 Qualitative F	ating (-10))	
.		M	etric 6	6. Plant	commun	ities, int	ersne	rsion, micro	topography
1	10						Siope		copographily.
x 20 pts.	subtotal	6a.	Wetland \	/egetation Comm	nunities	Vegetation	Commun	ity Cover Scale	
				ent using 0 to 3 s		0			.2471 acres) contiguous area
				atic bed		1	Present	t and either comprises s	mall part of wetland's
			1 Eme	ergent					e quality, or comprises a
			 Shru 	ub				icant part but is of low q	
			 Fore 	est		2			ignificant part of wetland's
				Iflats					e quality or comprises a sma
				n water				ind is of high quality	
			0 Othe			3	Present	and comprises signification	ant part, or more, of wetland
				(plan view) Inter	rspersion.		veget	ation and is of high qua	lity
		Sele	ect only on						
			High	lerately high(4)				n of Vegetation Quality	
				lerate (3)		low			minance of nonnative or
		9.14		lerately low (2)		mod	Notivo	bance tolerant native sp	Decles
		- A	Low			mou	althou	spp are dominant compo	onent of the vegetation, sturbance tolerant native spp
		. 1		e (0)			can a	leo be present and coo	cies diversity moderate to
		6c.	Coverage	of invasive plant	ts. Refer		mode	rately high, but generall	v w/o presence of rare
		to Ta	able 1 OR	AM long form for	list. Add		threat	ened or endangered sp	p
		or de		ts for coverage		high		minance of native spec	
		1		ensive >75% cov			and/o	r disturbance tolerant na	ative spp absent or virtually
		6		lerate 25-75% cc			absen	it, and high spp diversity	y and often, but not always,
	-	1		rse 5-25% cover		-	the pr	esence of rare, threater	ned, or endangered spp
				rly absent <5% c	over (0)		a Crease	In star we have	
		6d		ent (1)				ater Class Quality	
			Microtopo	grapny. ent using 0 to 3 s	cale	0		<0.1ha (0.247 acres)	
		1		etated hummuck		- 1		to <1ha (0.247 to 2.47	
				rse woody debris		2		te 1 to <4ha (2.47 to 9.	88 acres)
		0		iding dead >25cr		3	I righ 4h	a (9.88 acres) or more	
				hibian breeding		Microtopog	ranhy Co	ver Scale	
				and a second		0	Absent	ver odale	
						1		very small amounts or i	f more common
								ginal quality	
						2		in moderate amounts, b	out not of highest
								or in small amounts of	

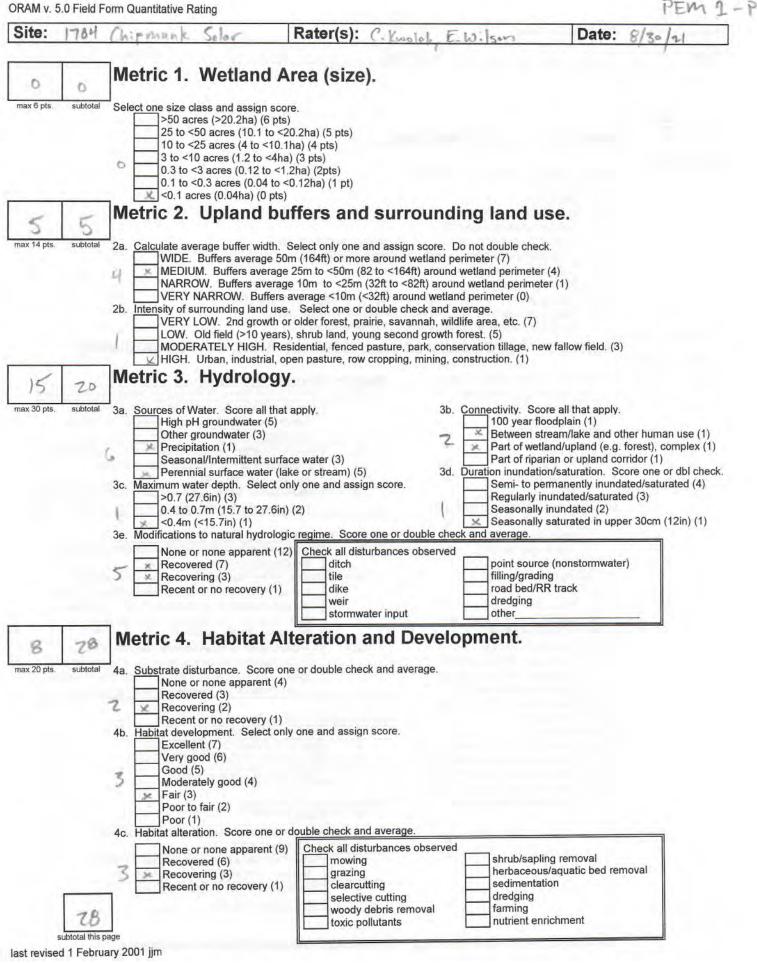
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End of Quantitative Rating. Complete Categorization Worksheets.

3

quality or in small amounts of highest quality

Present in moderate or greater amounts



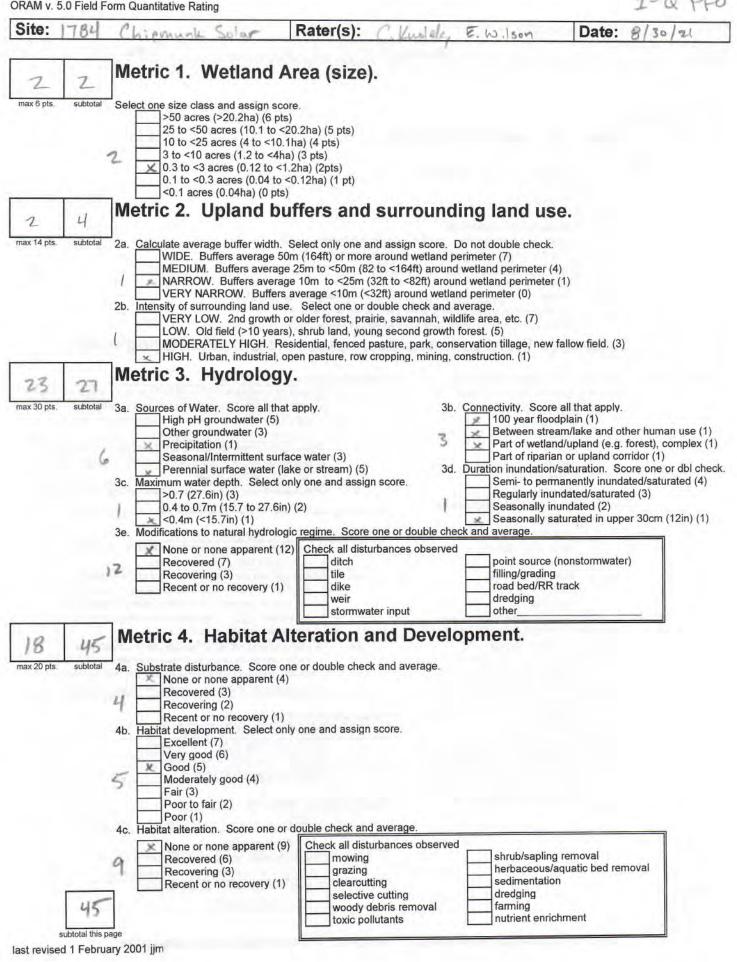
Site:	1784	Chipmunk Solar	Rater(s): C.K.	ulele, E.W. Ison	Date: 8/30/2
		1			
	28				
	subtotal first p	age			
D	25	Metric 5. Special V	Netlands.		
nax 10 pts.	subtotal	Check all that apply and score as ir	ndicated.		
		Bog (10)			
		Fen (10)			
		Old growth forest (10) Mature forested wetland	(5)		
			ry wetland-unrestricted hy	drology (10)	
			ry wetland-restricted hydro		
		Lake Plain Sand Prairies			
		Relict Wet Prairies (10)			
			federal threatened or end		
			gbird/water fowl habitat or		
	1		e Question 1 Qualitative F		and the second
4	32	Metric 6. Plant con	mmunities, in	erspersion, micr	otopography.
max 20 pts.					
	subtotal	6a. Wetland Vegetation Communit		Community Cover Scale	(0.017)
		Score all present using 0 to 3 scale	0		(0.2471 acres) contiguous area
		Emergent	1	Present and either comprise	rate quality, or comprises a
		Shrub		significant part but is of low	
		Forest	2		s significant part of wetland's
		 Mudflats 			rate quality or comprises a sma
		Open water		part and is of high quality	
		Ch. horizontol (plan view) Interne	3		ificant part, or more, of wetland
		6b. horizontal (plan view) Intersper Select only one.		vegetation and is of high q	luality
		High (5)	Narrative D	escription of Vegetation Qua	lity
		Moderately high(4)	low	Low spp diversity and/or pre	
		Moderate (3)		disturbance tolerant native	
		2 Moderately low (2)	mod	Native spp are dominant cor	
		Low (1) None (0)			disturbance tolerant native spp
		6c. Coverage of invasive plants. F	Refer	moderately high, but gene	species diversity moderate to
		to Table 1 ORAM long form for list.	Add	threatened or endangered	
		or deduct points for coverage	high	A predominance of native sp	
		Extensive >75% cover (-		and/or disturbance toleran	t native spp absent or virtually
		Moderate 25-75% cover			rsity and often, but not always,
		Sparse 5-25% cover (-1) Nearly absent <5% cover		the presence of rare, threa	atened, or endangered spp
		Absent (1)		d Open Water Class Quality	
		6d. Microtopography.	0	Absent <0.1ha (0.247 acres	()
		Score all present using 0 to 3 scale		Low 0.1 to <1ha (0.247 to 2.	
		Vegetated hummucks/tus		Moderate 1 to <4ha (2.47 to	9.88 acres)
		Coarse woody debris >15		High 4ha (9.88 acres) or more	re
		Standing dead >25cm (1)			
		Amphibian breeding pool		raphy Cover Scale	
			1	Absent Present very small amounts	or if more common
				of marginal quality	or in more common
			2	Present in moderate amount	s, but not of highest
				quality or in small amounts	of highest quality
			3	Present in moderate or great	an anna conta

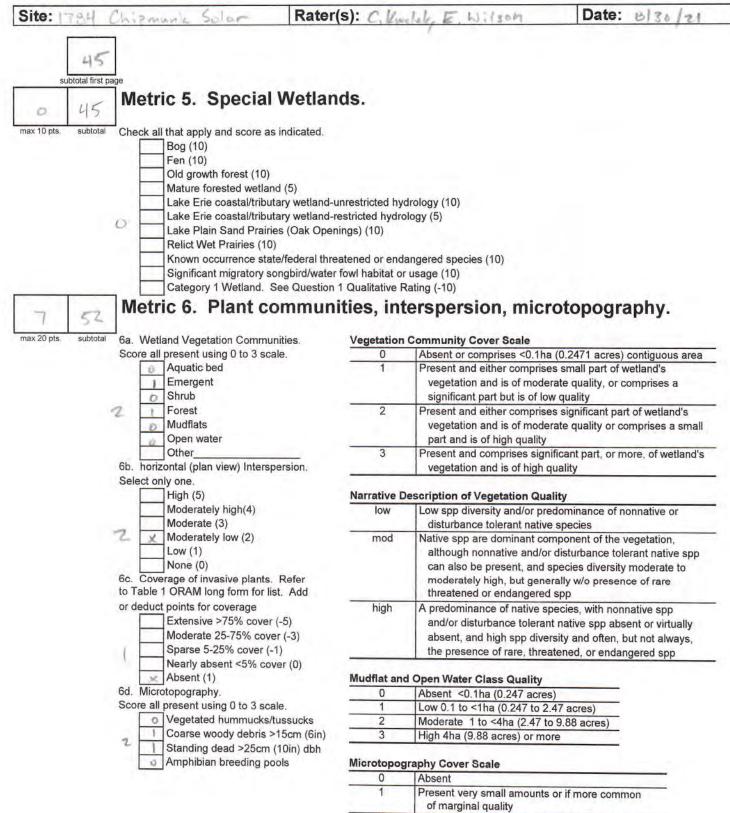
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End of Quantitative Rating. Complete Categorization Worksheets.

3

Present in moderate or greater amounts





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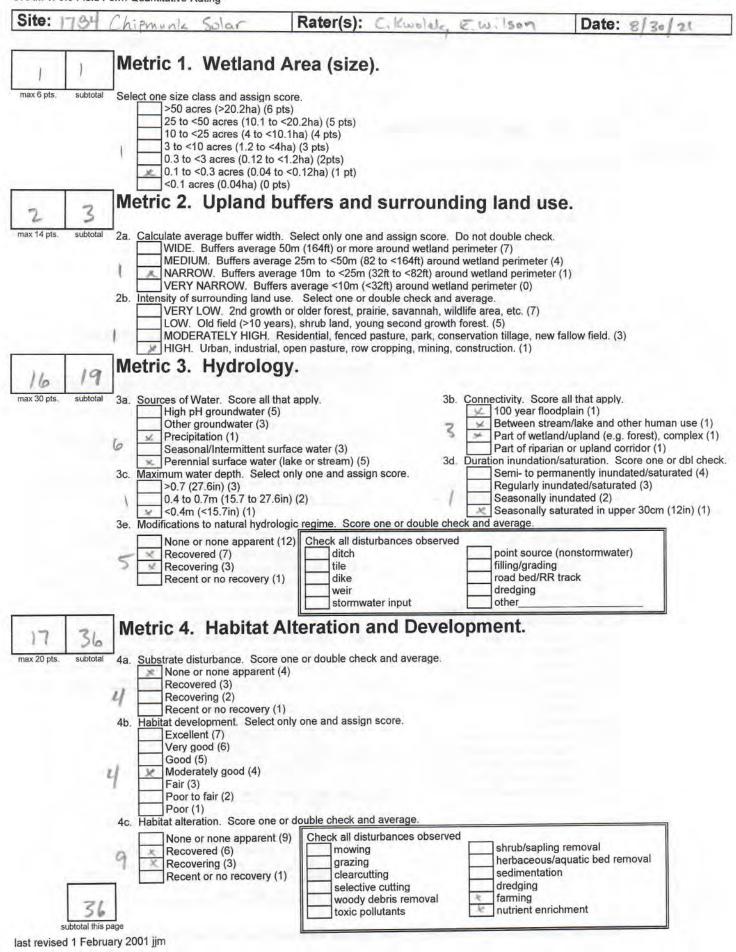
End of Quantitative Rating. Complete Categorization Worksheets.

2

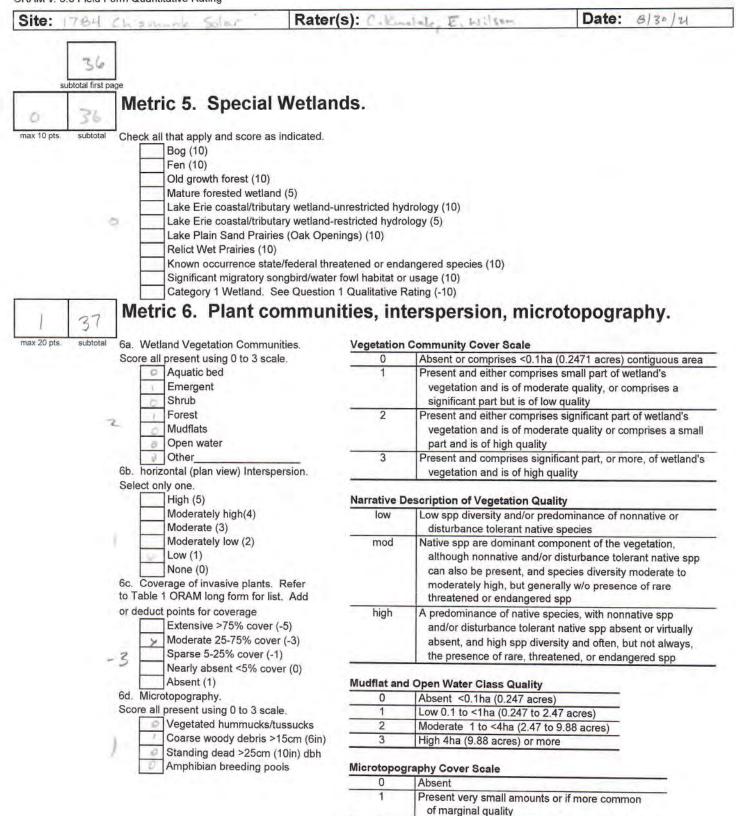
3

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts



2-8



37

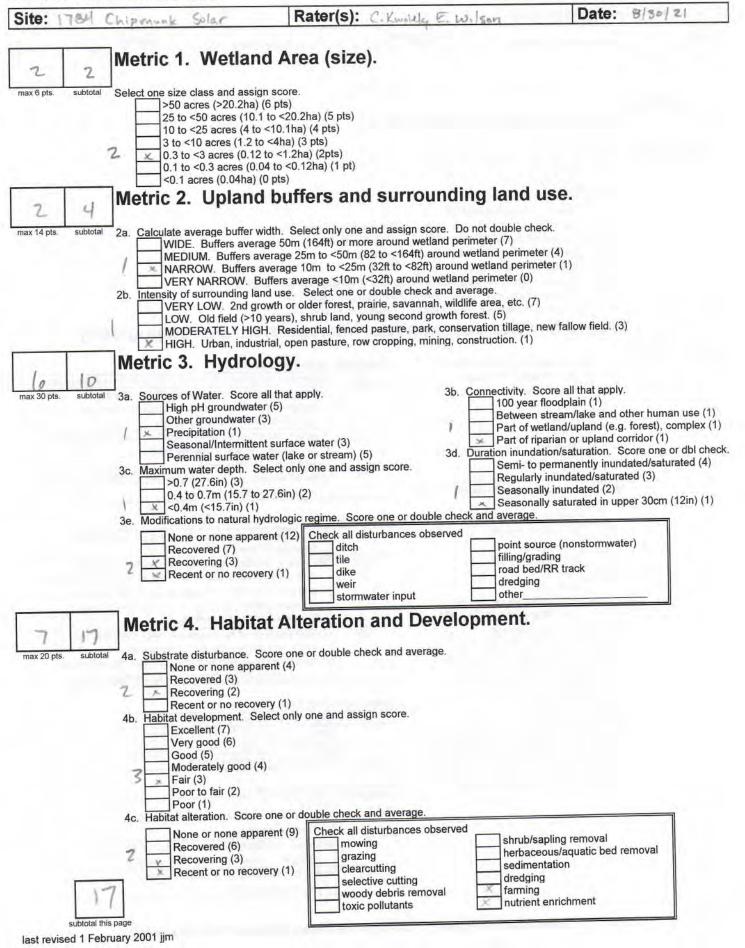
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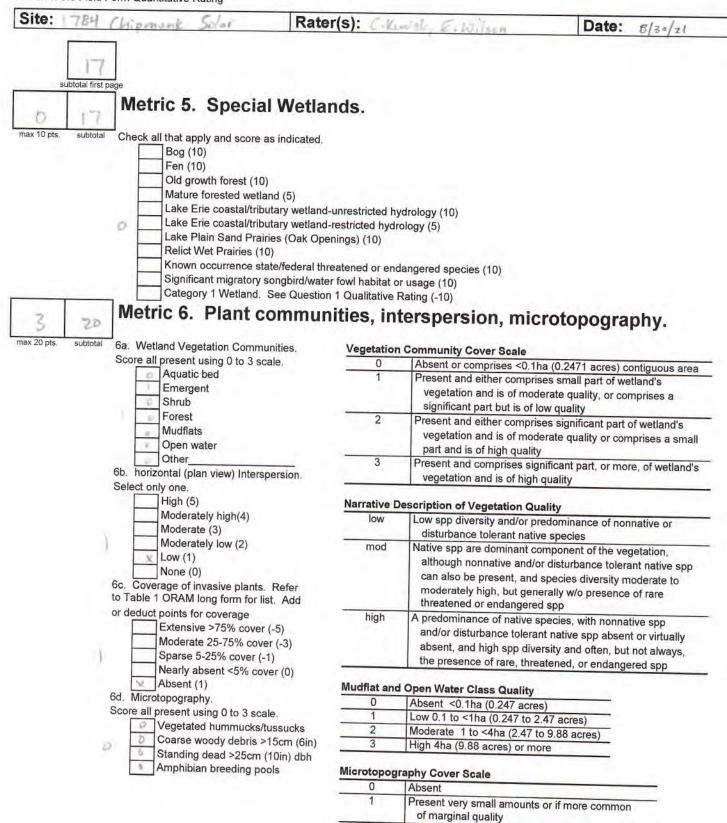
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3

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts





20

End of Quantitative Rating. Complete Categorization Worksheets.

2

3

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts

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in

Case No(s). 21-0960-EL-BGN

Summary: Application Exhibit Q (Ecological Assessment, 5 of 10) electronically filed by Mr. Michael J. Settineri on behalf of Chipmunk Solar LLC