

OREGON MARBLED MURRELET FOREST SURVEY FORM

Survey Visit to Protocol

Page 1 of

(Y or N, initials):

Total Detections:

Species of Concern (circle one, details on last pg.): Y or N

Month Day Year

Area Name: Site Name / Number: Station Number:

Station Location - T (circle one) N or S , R (circle one) E or W , S , QQ (1/16) , of Q (1/4)

UTM zone: 10 E (x) coordinate: N (y) coordinate: Source: Datum: FOM:

Observer (s) Name: Initials: Affiliation: Phone: ()

Station Elevation: Ft / M Position on Slope (circle one): Bottom/plain , Lower 1/3 , Mid 1/3 , Upper 1/3 , Ridgetop

Station Placement (circle one): Inside , Outside

Distance from Survey Site Boundary: Units of Measure for ALL Horizontal Distances:

Station Canopy Cover (circle one): 1 = 0 to 25%, 2 = 26 to 50%, 3 = 51 to 75%, 4 = 76 to 100%

ENVIRONMENTAL CONDITIONS:

Official Sunrise Time: Source: Begin Survey Time: End Survey Time:

Temperature at Sunrise: ° Temperature at End of Survey: ° (circle one) C or F revised: 2 / 2000

TIME	VERTICAL VIEWING			HORIZ. VIS. TO 100 M	AUDIBILITY TO 200 M	PRECIPITATION			WIND	NOISE	NOTES
	CEILING	CLOUD COVER	VISIBILITY TO 2 CANOPY			RAIN	FOG	OTHER			

Ceiling: **UL** = Unlimited (clear), **HI** =>2.0 canopy height, **MID** =>1.25 to ≤2.0 canopy height, **LO** = ≤1.25 canopy height, **U** = Unknown.
Cloud Cover: **0** = 0%, **1** = 33%, **2** = 66%, **3** = 100%.
Vertical Visibility: **N** = Impaired (detections may be missed due to conditions), **Y** = Unimpaired (conditions allow for reliable detection), **U** = Unknown.
Horizontal Visibility: **N** = Impaired (detections may be missed due to conditions), **Y** = Unimpaired (conditions allow for reliable detection), **U** = Unknown.
Audibility: **N** = Impaired (detections may be missed due to conditions), **Y** = Unimpaired (conditions allow for reliable detection).
Precipitation - Rain & Fog: **N** = None, **L** = Light, **M** = Moderate, **H** = Heavy. **Other:** **H** = Hail, **S** = Snow. Indicate intensity using same codes for rain & fog.
Wind: **0** = <1 mph (calm), **1** = 1-3 mph (leaves barely move), **2** = 4-7 mph (leaves rustle, sm. twigs move), **3** = 8-12 mph (leaves & sm. twigs in constant motion), **4** = 13-18 mph (sm. branches move), **5** = 19-24 mph (lg. branches & sm. trees start to sway), **6** = 25-31 mph (lg. branches in constant motion), **7** = 32-38 mph (whole trees move), **8** = 39-46 mph (twigs & sm. branches break).
Noise: **N** = None, **A** = Aircraft, **B** = Bird song/calls, **C** = Creek/water drainage, **M** = Machinery, **P** = Rain/hail, **T** = Tree drip, **V** = Vehicle, **W** = Wind, **O** = Other (explain in Notes).

Occurrence No. <u> </u>	Data Point No. <u> </u>	Sequence No. <u> </u>	Reference No. <u> </u>
Quad. Code <u> </u>	Photo Code <u> </u>	General Location <u> </u>	
Data Entry Initials <u> </u>	Data Entry Date <u> </u>	Data QC Initials <u> </u>	Data QC Date <u> </u>
Protocol Review Initials <u> </u>	Review Date <u> </u>	Highest Biological Status <u> </u>	
** ODFW DATABASE USE ONLY **			

OREGON MARBLED MURRELET FOREST SURVEY FORM

Detections - This Side Page Total: _____ Pg. ____ of ____

Area Name: _____

Observer (s) Initials: _____

Month _____ Day _____ Year _____

Site Name / No: _____

Data Reference Number: _____

Units of Measure (circle one): **U.S.** / **Metric**

Station Number: _____

SURVEY ACYIVITY:

****Note Significant Weather Changes on Page 1****

revised: 2 / 2000

STATUS - I/O	DETECTION #	DETECTON TIME				INITIAL DETECTION DIRECTION	TYPE	AUDITORY					# BIRDS SEEN	BEHAVIOR	INITIAL FLIGHT DIRECTION	BIRD HEIGHT SEEN Canopy= 1.0	CLOSEST DIST. TO BIRDS SEEN (units)	DEPART FLIGHT DIRECTION	FINAL DETECTION DIRECTION	NOTES Heard Only Dist. To Birds (L= Loud, M= Moderate, F= Faint)	
		VOCAL SERIES			OTHER W / J																
		Start	End	#																	

TYPE: H = Heard Only (no visual), S = Seen Only (silent), B = Both Seen and Heard.
AUDITORY - Vocal Series (Vocalizations): K = KEER calls, G = Groan (alternate) calls, O = Whistle or Soft Que calls, U = Unknown, --- = None or N/A. Indicate the vocal type heard at both the start and end if calls grade between different types during the detection. Indicate the number heard **1-5** or **M** = Multiple. **OL** = Overlapping Vocalizations (Y or N).
AUDITORY - Other (Non-Vocal Sounds): W = Wing Sound, J = Jet Sound, --- = None or N/A. If both are heard write W / J.
BEHAVIOR: F = Flight Over Canopy, C = Circle Over Canopy, T = Fly-Through At or Below Canopy (≤ 1.0), B = Circle At or Below Canopy (≤ 1.0), L = Seen Landing in or Departing From a Tree, S = Stationary Calling (fixed-point multiple calls <100 m), U = Unknown.
(Check Reverse Side When Using 2-Sided Forms)

SURVEY ACYIVITY (cont.):

Note Significant Weather Changes on Page 1

Detections - This Side Page Total: _____

STATUS - I/O	DETECTION #	DETECTON TIME	INITIAL DETECTION DIRECTION		TYPE	AUDITORY					# BIRDS SEEN	BEHAVIOR	INITIAL FLIGHT DIRECTION			BIRD HEIGHT SEEN Canopy= 1.0	CLOSEST DIST. TO BIRDS SEEN (units)	DEPART FLIGHT DIRECTION			FINAL DETECTION DIRECTION			NOTES Heard Only Dist. To Birds (L= Loud, M= Moderate, F= Faint)
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