TER 2 Appendix 3

Datasheets

Lewis River HEP Datasheet--2

Location: [   ] Date: [   ]

No. Trees >51cm dbh: [   ]

Habitat Type: [ ][ ][ ]   Transect No.: [   ]

Polygon No. [ ][ ][ ]

Plot Length (m) [ ][ ]   Plot Width (m) [   ]

Height Overstory Trees (BCC)--forested cover types				
Ground (m)	Slope (±%)	Top (±%)	Bottom (±%)	Est. Ht. (m)

Decay Class				
1	2	3	4	5
No. Logs:				
No. Stumps:				

Ht. Deciduous Shrubs (m) (Warbler)-- PFO, PEM, PSS, SH, YUD, RS, RM, RD, YUM, YRM	Snags (all habitats)				Number Stumps > 0.3m tall and 18 cm dia.-- forested cover types	Number Logs > 18 cm dia.-- forested cover types	Start Deciduous Shrub >0.5m (Warbler, Mink)--all types	Stop Deciduous Shrub > 0.5m (Warbler, Mink)--all types	Start Hydrophytic Shrub Cover (Warbler)-- PFO, PEM, PSS, SH, YUD, RS, RD, RM, YUM, YRM	Stop Hydrophytic Shrub Cover (Warbler)-- PFO, PEM, PSS, SH, YUD, RS, RD, RM, YUM, YRM	Start Tree Cover (Pil. Wood. & BC chickadee.)-- all forested types	Stop Tree Cover (Pil. Wood. & BC chickadee)-- all forested types	Start Tree/Shrub Cover (Mink)--all cover types	Stop Tree/Shrub Cover (Mink)--all cover types
	Species	Decay Class (1-5)	dbh (cm)	Ht (m)										

Dominant Shrubs:

Dominant Trees:

Dominant Forbs:

Instructions:

Date: month/day/year

Habitat Type--enter code of the vegetation cover type being sampled (see polygon list).

Polygon No.--enter polygon number (see list)

Transect Length -- enter length in meters

Water Depth Transect Length (m) -- enter length in meters

Location--general segment of study area (e.g., Merwin--north)

Transect Number--at each plot record the sequential number of transect starting at 1.

Water current -- circle one

Associated Habitats -- record up to 4 adjacent habitats (1=clearcut < 2 yr, 2=cc > 2yr, 3=developed, 4=row crop, 5=grazed, 6=grass, forest/shrub).

Notes on water permanence -- record any observations on estimated number of months with permanent water beginning in February.

Ht of High water -- estimate the vertical distance between current water level and high water line

Water depth (cm) -- Do at least 3 transects. Measure every 5m from polygon boundary to polygon boundary Record transect length in field at top of form.

Wetland vegetation cover along transect -- line intercept of wetland vegetation along line across wetland

Percent Cover at water's edge--lay transect along current water line and record cover every 5 m in plot frame.

Percent shoreline cover -- Total cover (%) in plot frames within 1 m of water every 5 m along transect.

Percent Emergent Vegetation Cover -- plot frame estimate every 5m along 100m line. Record to nearest 5 percent.

Relative Shrub and Tree Density -- 1 = trees prevalent, 2 = trees widely scattered, 3 = no trees but a few low shrubs, 4 = no trees or shrubs

Percent Litter Cover -- plot frame estimate every 5 m along 100m line. Record to nearest 5 percent.

Percent Forb Cover -- plot frame estimate every 5 m along 100m line. Record to nearest 5 percent.

Percent grass Cover -- plot frame estimate every 5 m along 100m line. Record to nearest 5 percent.

Litter Depth (cm) -- depth at 5 m intervals along line. Record to nearest cm

Forb Ht (cm)-- ht in cm at 5 m intervals along line. Record to nearest cm

Grass Ht (cm)-- ht in cm at 5 m intervals along line. Record to nearest cm

Lewis River HEP Datasheet--2   Location: [____]   Date: [____]

No. Trees >51cm dbh: [____]

Habitat Type: [__][__][__]   Transect No.: [____]

Polygon No. [__][__][__]

Plot Length (m) [__][__][__]   Plot Width (m) [____]

Height Overstory Trees (BCC)--forested cover types				
Ground (m)	Slope (±%)	Top (±%)	Bottom (±%)	Est. Ht. (m)

Decay Class				
1	2	3	4	5
No. Logs:				
No. Stumps:				

Ht. Deciduous Shrubs (m) (Warbler)--PFO, PEM, PSS, SH, YUD, RS, RM, RD, YUM, YRM	Snags (all habitats)				Number Stumps > 0.3m tall and 18 cm dia.--forested cover types	Number Logs > 18 cm dia.--forested cover types	Start Deciduous Shrub >0.5m (Warbler, Mink)--all types	Stop Deciduous Shrub > 0.5m (Warbler, Mink)--all types	Start Hydrophytic Shrub Cover (Warbler)--PFO, PEM, PSS, SH, YUD, RS, RD, RM, YUM, YRM	Stop Hydrophytic Shrub Cover (Warbler)--PFO, PEM, PSS, SH, YUD, RS, RD, RM, YUM, YRM	Start Tree Cover (Pil. Wood. & BC chickadee.)--all forested types	Stop Tree Cover (Pil. Wood. & BC chickadee.)--all forested types	Start Tree/Shrub Cover (Mink)--all cover types	Stop Tree/Shrub Cover (Mink)--all cover types
	Species	Decay Class (1-5)	dbh (cm)	Ht (m)										

Dominant Shrubs:

Dominant Trees:

Dominant Forbs:

Instructions:

Date: month/day/year

Habitat Type--enter code of the vegetation cover type being sampled.

Polygon No.--enter polygon number that matches the

Transect Length -- enter length in meters

Transect width -- enter width in meters

Location--general segment of study area (e.g., Merwin--north)

Transect Number--at each plot record the sequential number of transect starting at 1.

Ht. Deciduous Shrubs (m)--ht of shrub nearest line at 5 m intervals. Record to nearest dm

Ground (m) – distance from tree in meters

Slope -- ground slope (+ or - and %)

Top --slope (+ or – and %) from eye level to top of tree

Bottom -- slope (+ or - and %) from eye level to bottom of tree

Estimated tree ht -- enter estimate ht of a representative overstory tree in meters

Logs -- record number of logs in each of 5 decay classes.

Stumps -- record number of stumps in each of 5 decay classes.

No. trees > 51 cm dbh -- record no. of trees greater than 51 cm dbh in belt transect

Snag Species – ALRU = red alder, ACMA=bigleaf maple, PSME=Douglas-fir, TSHE=hemlock, THPL=redcedar, PICO=lodgepole pine, HARD=unknown hardwood, SOFT=unknown soft

Snag Decay Class: 1-small branches/twigs present; 2-only large branches present + bark present; 3-no or few limbs, bark peeling; 4-moderate decay; 5-advanced decay

Snag dbh -- dbh of snags in belt transect

Snag ht. -- ht. of snags in belt transect

Number Stumps > 0.3m tall and 18 cm dia.--tally stumps in belt transect

Number Logs > 18 cm dia. -- tally logs in belt transect

Start Deciduous Shrub Cover -- start point of cover intercept of shrubs >0.5malong line 2 50m transects. Do not include scotchbroom, salal, Oregon grape

Stop Deciduous Shrub Cover -- stop point of cover intercept along line 2 50m transects. Do not include scotchbroom

Start Hydrophytic Shrub Cover -- record start point of hydrophytic shrub species (see list) along 2 50-m transects.

Stop Hydrophytic Shrub Cover -- record stop point of hydrophytic shrub species (see list) along two 50 m transects.

Start tree cover –Start point of tree intercept cover along 2 50-m transects. Include all trees greater than 20 ft tall.

Stop tree cover –Stop point of tree intercept cover along 2 50-m transects. Include all trees greater than 20 ft tall.

Start tree/shrub cover --start point of tree/shrub cover intercept along 2 50-m transects. Include all trees and shrubs. DO NOT SEPARATE BY LAYERS.

Stop tree/shrub cover --stop point of tree/shrub cover intercept along 2 50-m transects. Include all trees and shrubs. DO NOT SEPARATE BY LAYERS.

Code Definitions.

Code	Definition
BCCHSI	black-capped chickadee final HSI
BCCSNAG (v4)	black-capped chickadee snag SI
BCCTREE (v1)	black-capped chickadee tree cover SI
BCCTREEHT (v2)	black-capped chickadee tree ht. SI
PWTREE51 (v2)	pileated woodpecker # trees >51cm SI
PW51SNAGS (v6)	pileated woodpecker # snags >51cm SI
PWTREECOV (v1)	pileated woodpecker tree cover SI
PILDBH51 (v7)	pileated woodpecker dbh of snags >51cm SI
PILLOGS (v3)	pileated woodpecker logs/stumps SI
PIL10IN (v8)	pileated woodpecker # trees >10 in SI
PIL30IN (v9)	pileated woodpecker # trees >30 in SI
PILCEDAR (v10)	pileated woodpecker # cedars SI
PWHSI	pileated woodpecker Final HSI
YWHSI	yellow warbler Final HSI
YWHYDRO (v1)	yellow warbler hydrophytic shrub SI
YWSHRUBCO (v2)	yellow warbler deciduous shrub cover SI
YWSHRHT (v3)	yellow warbler shrub ht. SI
AMPHSI	amphibian final HSI
AMPCOV SI	amphibian cover SI
AMPHREPR SI	amphibian reproduction SI
MINKHSI	mink final HSI
MINKSHRUB SI	mink shrub cover SI
MINKTREE SI	mink tree cover SI
MINKTSCOV SI	mink weighted tree-shrub cover
SAVSPHSI	savannah sparrow final HSI
SAVSPFCOV (v4)	savannah sparrow forb cover SI
SAVSPFHT (v3)	savannah sparrow forb ht. SI
SAVSPGHT (v7)	savannah sparrow grass cover SI
SAVSPGRASCOV (v5)	savannah sparrow grass ht. SI
SAVSPLITCOV (v2)	savannah sparrow litter cover SI
SAVSPLITHT (v1)	savannah sparrow litter depth SI