Examples and components of Common PNW FIA queries

Table Alias Names (for example, refer to the PLOT_PNW table using 'plp'):
plp= PLOT_PNW
plp2= PLOT_PNW_2010 (for down wood estimates)
p=PLOT
c=COND
t=TREE
tp=TREE_PNW
tb=TREE_REGIONAL_BIOMASS
dwm= DWM_COND_DWM_CALC

Number of all live trees on timberland (thous):
Basic summary statement: (plp.EXPVOL * t.tpa_UNADJ * ADJFAC)/1000
Where: t.STATUSCD=1, COND_STATUS_CD=1, SITECLCD <7, RESERVCD=0 and DIA >=1

Number of dead trees on forest land (thous):
Basic summary statement: (plp.EXPVOL * t.tpa_UNADJ * ADJFAC)/1000
Where: t.STATUSCD=2, c.COND_STATUS_CD=1

Gross Cubic volume of all live trees with a DBH>= 5 inches on timberland:
Basic summary statement: t.VOLCFGRS * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, c.SITECLCD <7, c.RESERVCD=0 and t.DIA >=5

Net Cubic volume of all live trees with a DBH>= 5 inches on timberland:
Basic summary statement: t.VOLCFNET * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, c.SITECLCD <7, c.RESERVCD=0 and t.DIA >=5

Net Cubic volume of growing stock trees with a DBH>= 5 inches on timberland:
Basic summary statement: t.VOLCFNET * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, t.TREECLCD=2, c.SITECLCD <7, c.RESERVCD=0 and t.DIA >=5

Net Sound Cubic volume of all live trees with a DBH>= 5 inches on timberland:
Basic summary statement: t.VOLCFSND * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, c.SITECLCD <7, c.RESERVCD=0 and t.DIA >=5

Net Sawtimber volume on timberland (bdft, International ¼" rule):
Basic summary statement: t.VOLBFNET * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, c.SITECLCD <7, c.RESERVCD=0

Net Sawtimber volume on timberland (bdft, Scribner rule):
Basic summary statement: tp.VOLBFNET_SCRIBNER * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1, c.SITECLCD <7, c.RESERVCD=0

Total above ground biomass of all live trees on forest land, in pounds—using regional equations:
Basic summary statement: tb.DRYBIOT * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1

Total above ground carbon of all live trees on forest land, in tons—using regional equations:
Basic summary statement: ((tb.DRYBIOT * plp.EXPVOL * t.TPA_UNADJ) * **0.5** * ADJFAC) / 2000
Where: t.STATUSCD=1, c.COND_STATUS_CD=1

Top and branch biomass of all live trees on forest land, in pounds—using CRM equations:

Basic summary statement: t.DRYBIO_TOP * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1

Stump biomass of all live trees on forest land, in pounds—using CRM equations:
Basic summary statement: t.DRYBIO_STUMP * plp.EXPVOL * t.TPA_UNADJ * ADJFAC
Where: t.STATUSCD=1, c.COND_STATUS_CD=1

Biomass of coarse woody debris on forest land, in pounds:
Basic summary statement: dwm.CWD_DRYBIO_ADJ * plp2.EXPVOL
Where: c.COND_STATUS_CD=1

Area of forest land in the Redwood forest type:
Basic summary statement: plp.EXPCURR * c.CONDPROP_UNADJ * plp.ADJ_FACTOR_EXPCURR
Where: c.COND_STATUS_CD=1, c.FORTYPCD=341

Area of forest land owned by private owners in the Douglas-fir forest type:
Basic summary statement: plp.EXPCURR * c.CONDPROP_UNADJ * plp.ADJ_FACTOR_EXPCURR
Where: c.COND_STATUS_CD=1, c.FORTYPCD=201, c.OWNCD=46