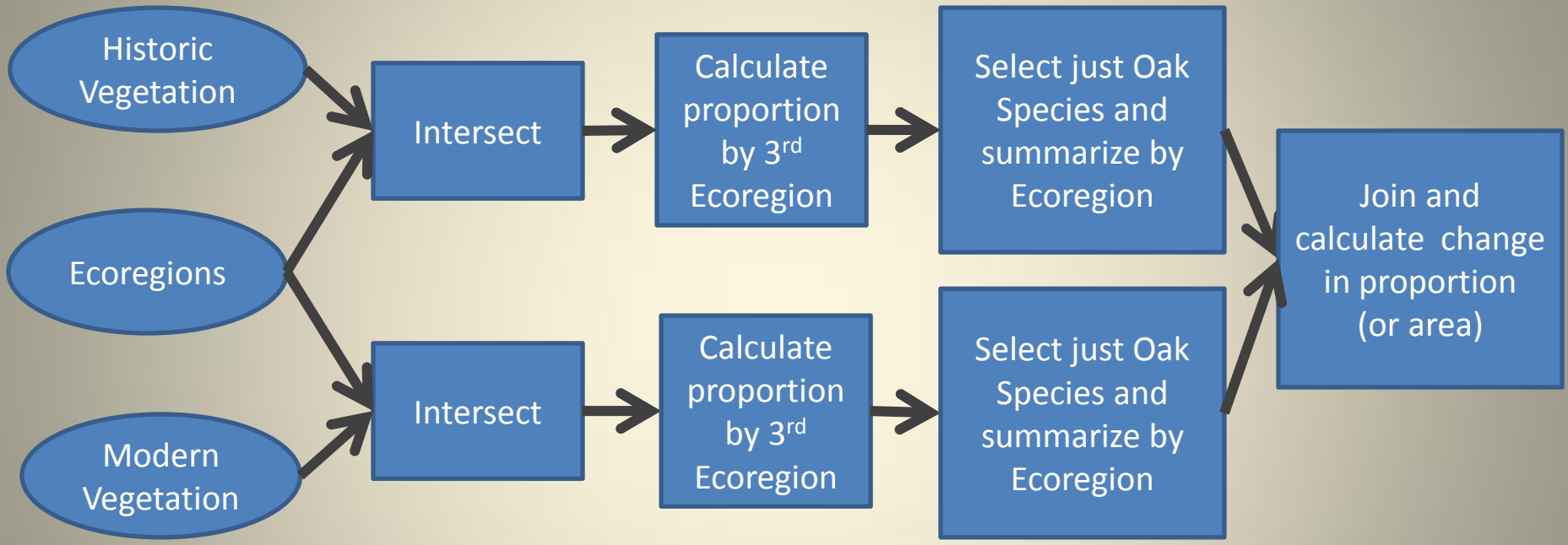
Identify Ecoregion with Greatest Change in Oak



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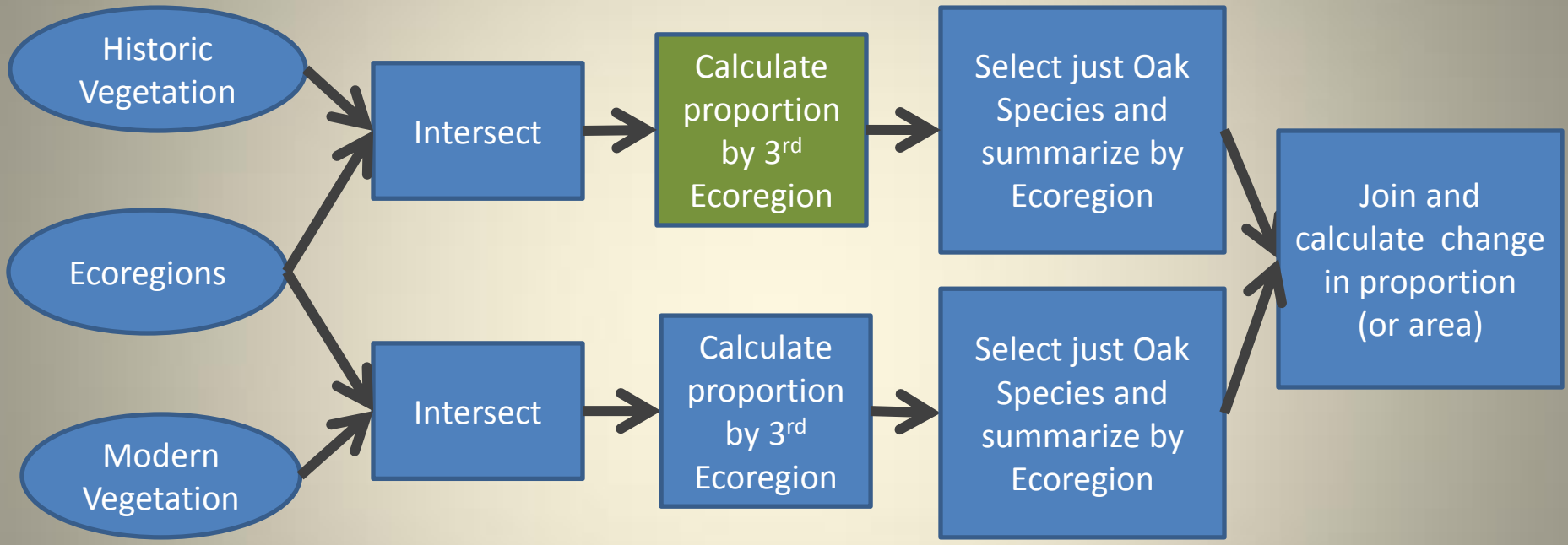

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Calculate proportion by 3rd Ecoregion

1. Summarize Ecoregions by 3rd level to get total area
   a) Add square mile field
   b) Calculate geometry
   c) Summarize square miles by Ecoregions: Level 3 Total Area
2. Add and Calculate Square miles for the result of the intersect (e.g. Historic_Vegetation_x_Ecoregions.shp)
3. Add destination proportion field on to the result of the intersect
4. Join Level 3 Total Area on to the result of the intersect *(note repeating values)*.
5. Calculate proportion (feature SqMi/Total SqMi)

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Note repeating values

FREQUENCY	SUM_SqMi	Proportion	ecoregion_toalArea.OID	ecoregion_toalArea.LE	ecoregion_to	ecoregion_toalArea.Sum_SUM_Sq
185	1313.627535	0.054775	0	Blue Mountains	41	23982.408076
7	19.373825	0.000808	0	Blue Mountains	41	23982.408076
2	3.378046	0.000141	0	Blue Mountains	41	23982.408076
2	7.267815	0.000303	0	Blue Mountains	41	23982.408076
4	7.783683	0.000325	0	Blue Mountains	41	23982.408076
8	39.091272	0.00163	0	Blue Mountains	41	23982.408076
1	4.176834	0.000174	0	Blue Mountains	41	23982.408076

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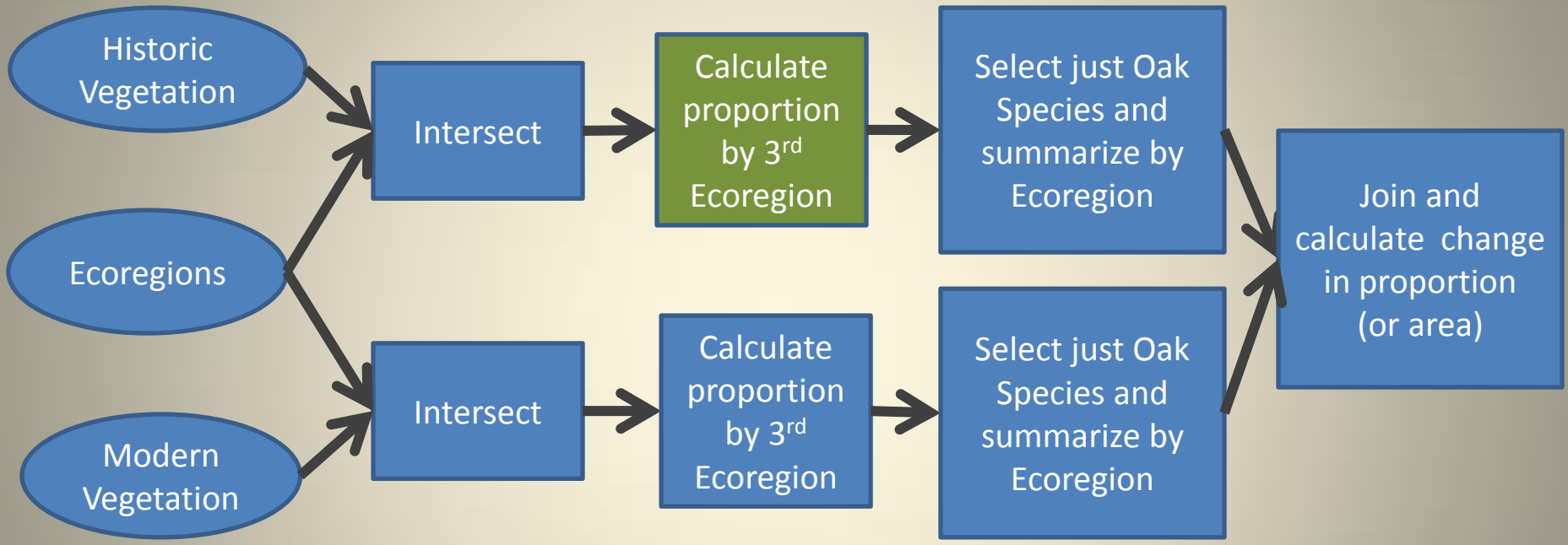

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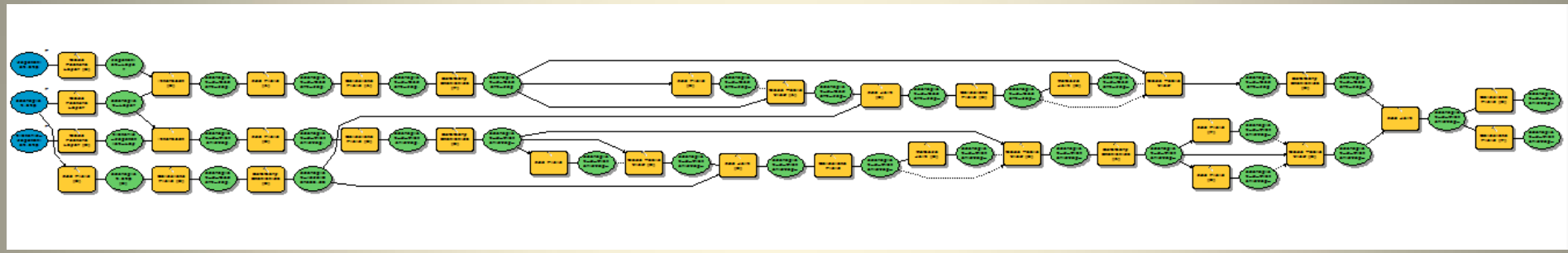

Calculate change in Oak Area within Willamette Valley Ecoregion