

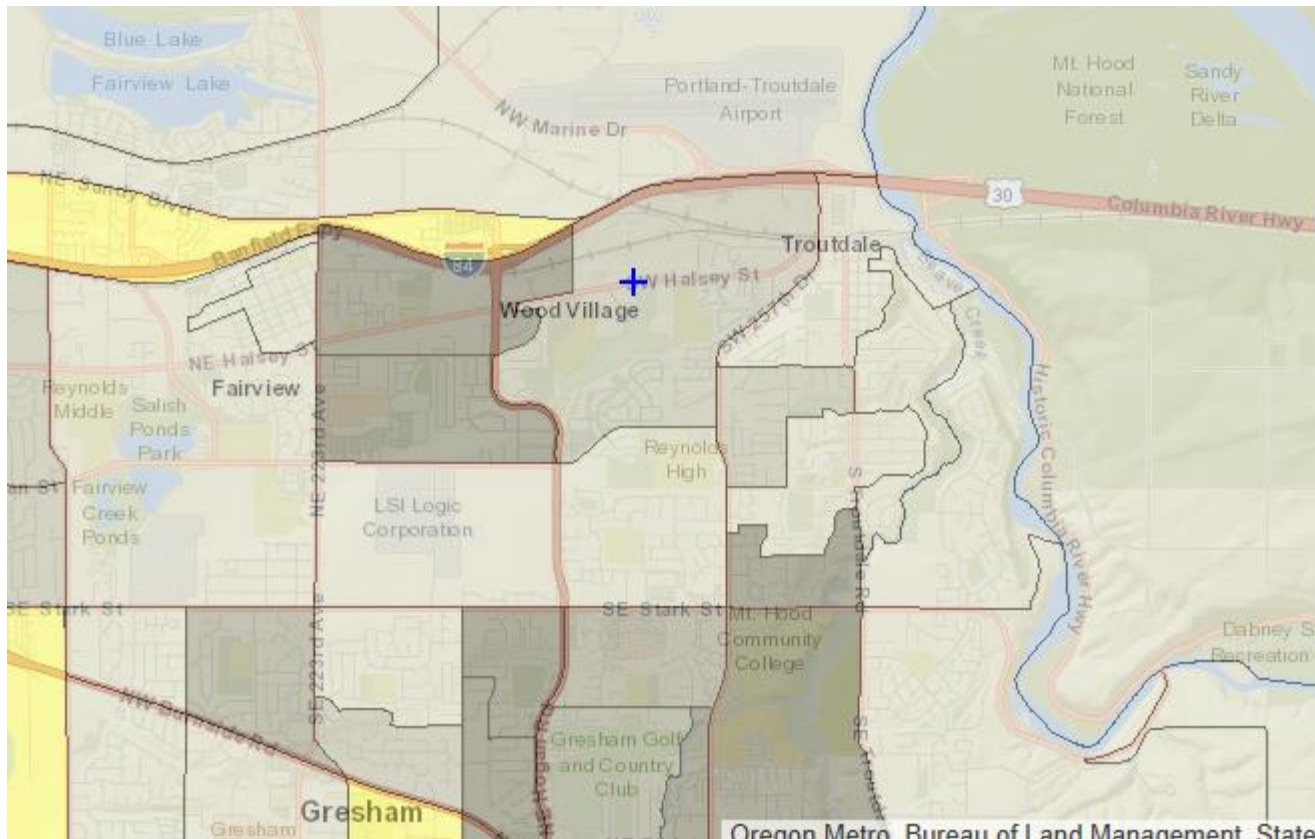
Environmental Justice at DEQ

Oregon State Bar Environmental & Natural Resources Section

Annual CLE meeting
Oct. 11, 2018

Environmental Justice at DEQ

EJSCREEN: What it looks like and what it can do



Environmental Justice at DEQ

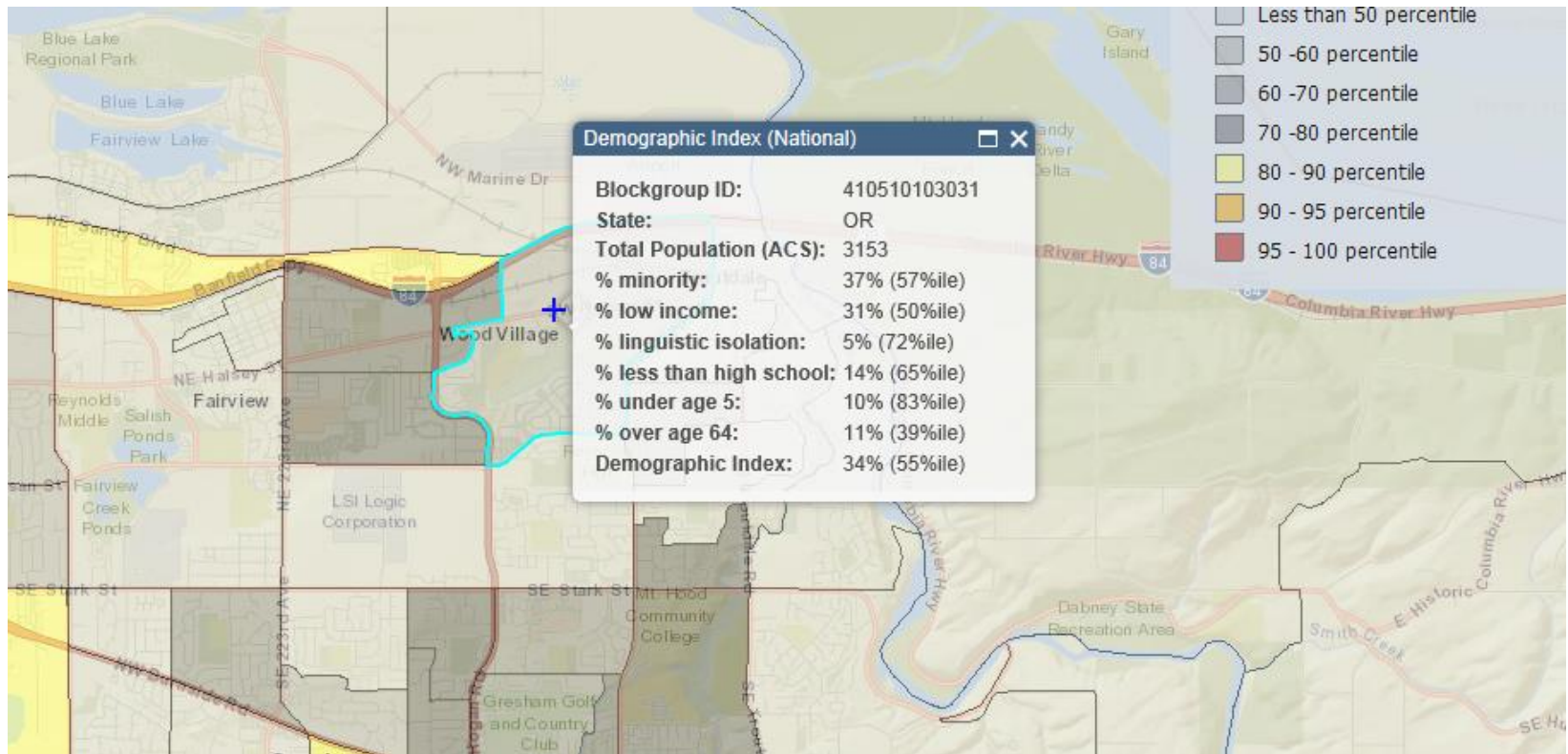
The EJSCREEN Standard Report (for Edgefield)

Selected Variables	Value	State Average	Percentile in State	EPA Region Average	Percentile in EPA Region	USA Average	Percentile in USA
Environmental Indicators							
Particulate Matter (PM 2.5)	7.35	7.7	25	7.54	55	9.53	13
Ozone (ppb)	36.2	36.4	58	36.1	60	42.5	13
NATA Diesel PM	1.55	0.795	89	1.06	70-80th	0.938	80-90th
NATA Air Toxics Cancer Risk (risk per MM)	48	38	74	39	70-80th	40	70-80th
NATA Respiratory Hazard Index	5.8	3.2	89	2.8	90-95th	1.8	95-100th
Traffic Proximity (daily traffic count/distance to road)	390	390	74	380	76	600	74
Lead Paint Indicator (% Pre-1960s Housing)	0.087	0.25	31	0.23	38	0.29	35
NPL Proximity (site count/km distance)	0.35	0.075	97	0.12	92	0.12	92
Proximity to RMP sites (facility count/km distance)	1.5	0.74	84	0.63	87	0.72	85
Proximity to TSDFs (facility count/km distance)	2.8	1.4	85	1.5	85	4.3	83
Proximity to Major Direct Dischargers (count/km)	0.00024	0.0072	65	0.038	70	30	60
Demographic Indicators							
Primary Demographic Index	36%	29%	72	29%	72	36%	59
Minority Population	33%	23%	77	27%	70	38%	54
Low Income Population	40%	35%	61	32%	68	34%	64
Linguistically Isolated Population	4%	3%	77	3%	74	4%	69
Population With Less Than High School Education	14%	10%	73	10%	76	13%	64
Population Under 5 years of age	9%	6%	80	6%	75	6%	75
Population over 64 years of age	9%	16%	20	14%	26	14%	26

*The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

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Demographics: The key to next steps



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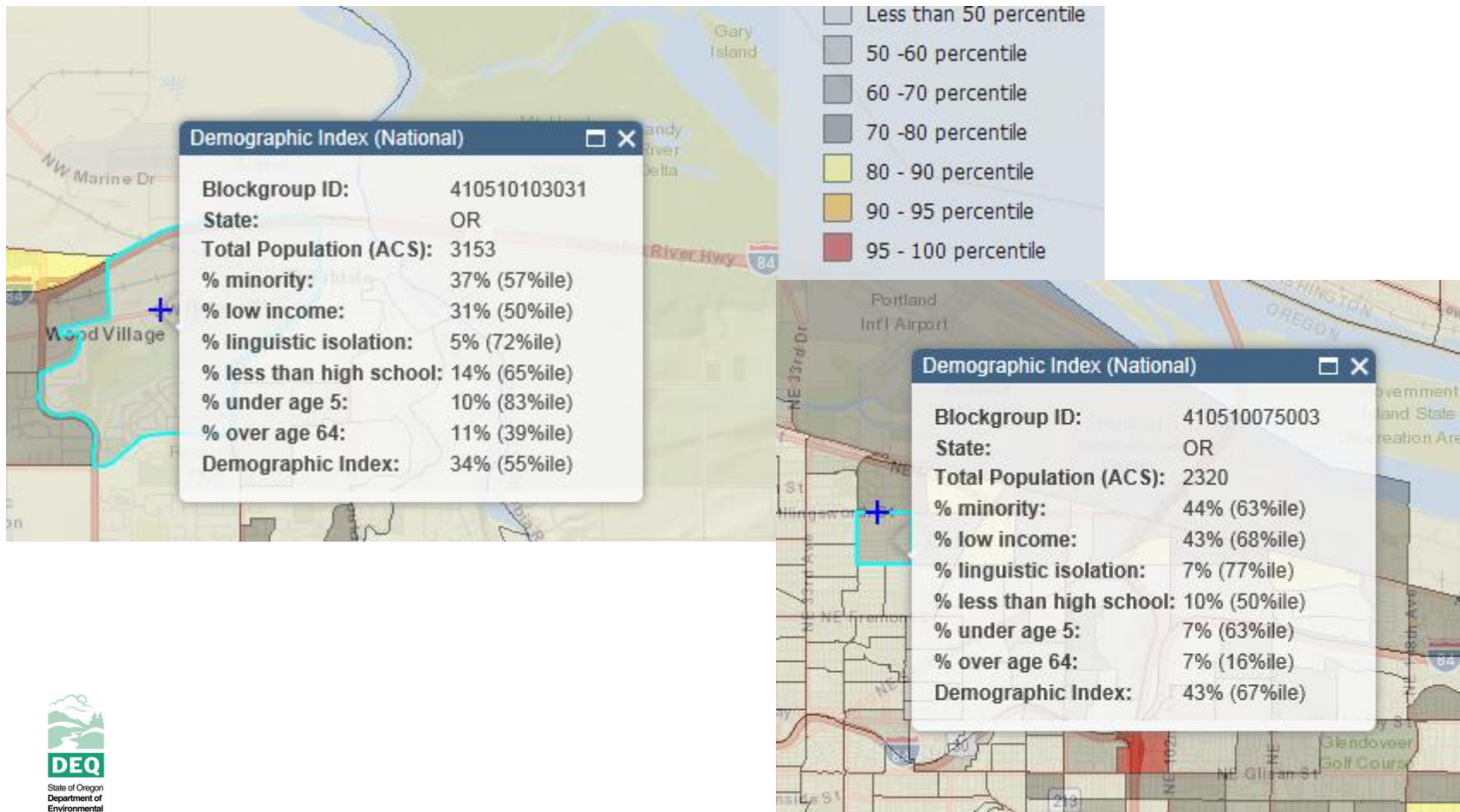
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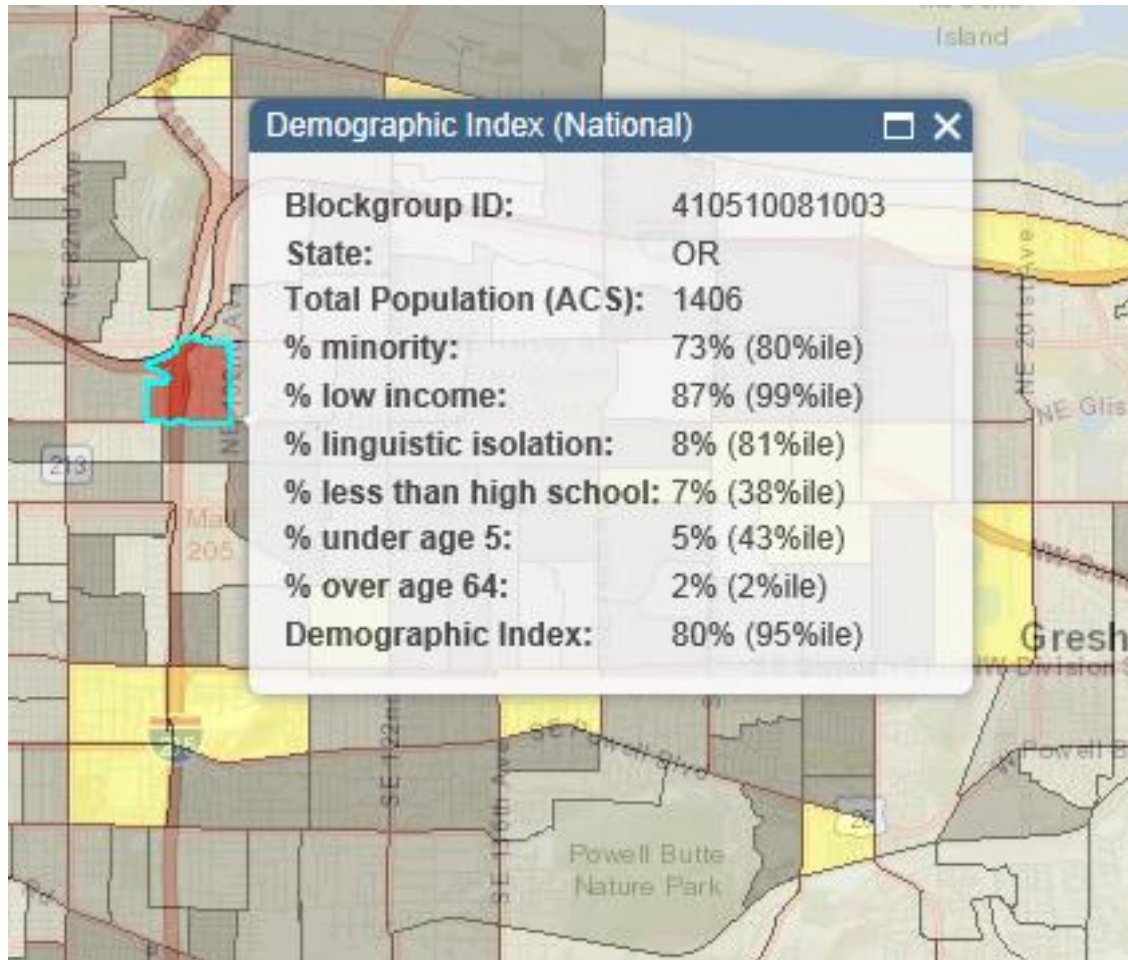
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Place always matters, and so does local knowledge



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Good governance starts with information



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Thank you!

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EJSCREEN – EPA’s mapping tool for environmental justice

<https://www.epa.gov/ejscreen>