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		160		119.5	40.5
128.5		27.5		4	
			52.5	38	14.5
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39	2				
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2	45		17.5		4

2	2	40	36	18	4
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31.5	128.5	80.3%	()
		19.7%			

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	576	225	558	180	612	198	1746	603	2349
%	24.52%	9.58%	23.75%	7.66%	26.05%	8.43%	74.33%	25.67%	100%
	32	12.5	29	10	34	11	95	33.5	128.5
%	24.90%	9.73%	22.57%	7.78%	26.46%	8.56%	73.93%	26.07%	100%

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	18+4	19+4	22+6	29+7	22+7	28+3		

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31000209			54	36	14	4	3	2	3		
31000210			54	36	14	4	3	1	3		
31000211			108	54	36	18	6	4	6		
31000201									2		
31000206			36				2	5.6	2		
31000212			36	18	14	4	2	2	2		
31000208			36	30	4	2	2	2	2		
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52000101			54	54		3	1	3		
52000102			54	54		3	2	3		
52000103			54	54		3	3	3		
52000104			54	54		3	4	3		

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43000101			36		36	2	1	1		()	
43000102			36		36	2	2	1		()	
43000103			36		36	2	3	1		()	
43000104			36		36	2	4	1		()	
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71000101			72	36	36	2+2	1	2			
71000201			90	54	36	3+2	2	2 5			
71000202			90	54	36	3+2	2	2 5			
71000203			90	54	36	3+2	2	2 5			
71000204								1			

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75001410			36		36						+2					1		
75001411			54	54							3					3		
75001412			36		36						+2					1		
			630	558	72		6	7	3	6+2	3+2	6				31		

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75001601			54	54							3					3		
75001602			36	36							2					2		
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75001604			36	36							2					2		
75001605			54	54							3					3		
75001606			36	36							2					2		
75001607			36	36							2					2		
75001608			36	36							2					2		
75001609			54	54							3					3		
75001610			36	36									4		2		*	
75001611			36	36									4		2		*	
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75001631	ENM /IDL		36	36								2			2		
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75001639			36	36								2			2		
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75032403			54	54								3					3
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75032405			54	54								3					3
75032406			54	36	18							2+1					2.5
75032407			54	54								3					3
75032408			72	36	36							2+2					3
75032409			54	54								3					3
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75032411			54	54								3					3
75032412			54	54								3					3

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Introduction to Geography

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Physical Geography

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Human Geography

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Economic Geography

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Regional Analysis and Planning

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Cartography

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Geographic Information System

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Experiment of Geographic Information System

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Introduction to Sustainable Development

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Practical Geoscience Software

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Quantitative Geography

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Tourism Geography

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Appreciation and Cultural of Gens

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Advance in Geography Science

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Landscape Planning and Design

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Python Programming

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Python Magnus Lie Hetland 2010 1

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ENM/IDL

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Digital Elevation Model and Application

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Map Design and Compilation

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Analysis and Application of Map

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- [3] 2014 1

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Quantitative Remote Sensing

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Remote Sensing for Land & Resources

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Ecological Remote Sensing

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Remote Sensing of Cryosphere

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Unmanned Aerial Vehicle Surveying and Mapping

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Preliminary Architecture Design

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Planning and Design Technology

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Urban Geography

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Principle of City Planning

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Quantitative Geography

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Principles and Methods of Digital Mapping

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Land Use Planning

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Legislation and Administration on Urban Planning

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Research methods of human geography

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Thinking train of urban design

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Regulatory Detailed Planning

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Urban Engineering System Planning

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Land Resource Science

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Land resources survey

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Land managenent

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Land Informati on System

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Land type and land evaluation

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