

Road Shoulder Hazards in The Woodlands – January 2015

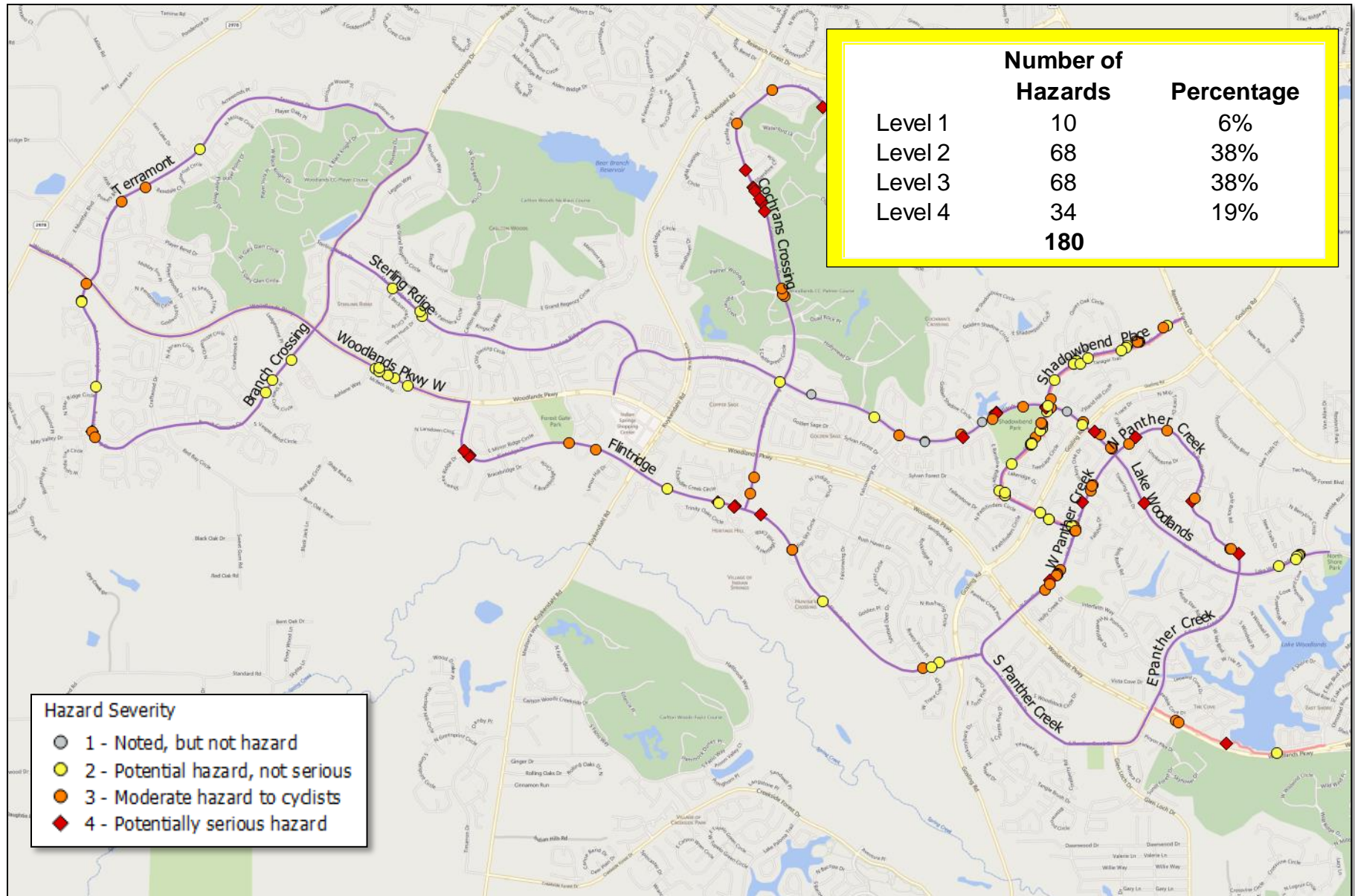
Definition of hazard types:

1. **Lip:** lip protruding for several feet at least 1 inch above adjacent pavement
2. **Gap:** gap extending for several feet, in which bike tire could fall into
3. **Pothole:** hole that should be filled
4. **Rough area:** excessively rough area the should be fixed
5. **Maintenance:** not a danger to cyclists but something the county might want to be aware of
6. **Other:** items that don't fall into the above

Severity ratings

- **Level 4** - A serious and immediate danger to cyclists
- **Level 3** - Should be fixed soon; could be a danger
- **Level 2** - Potential hazard to note, but not very serious
- **Level 1** - Not hazard to cyclists, but something that the county might want to be aware of

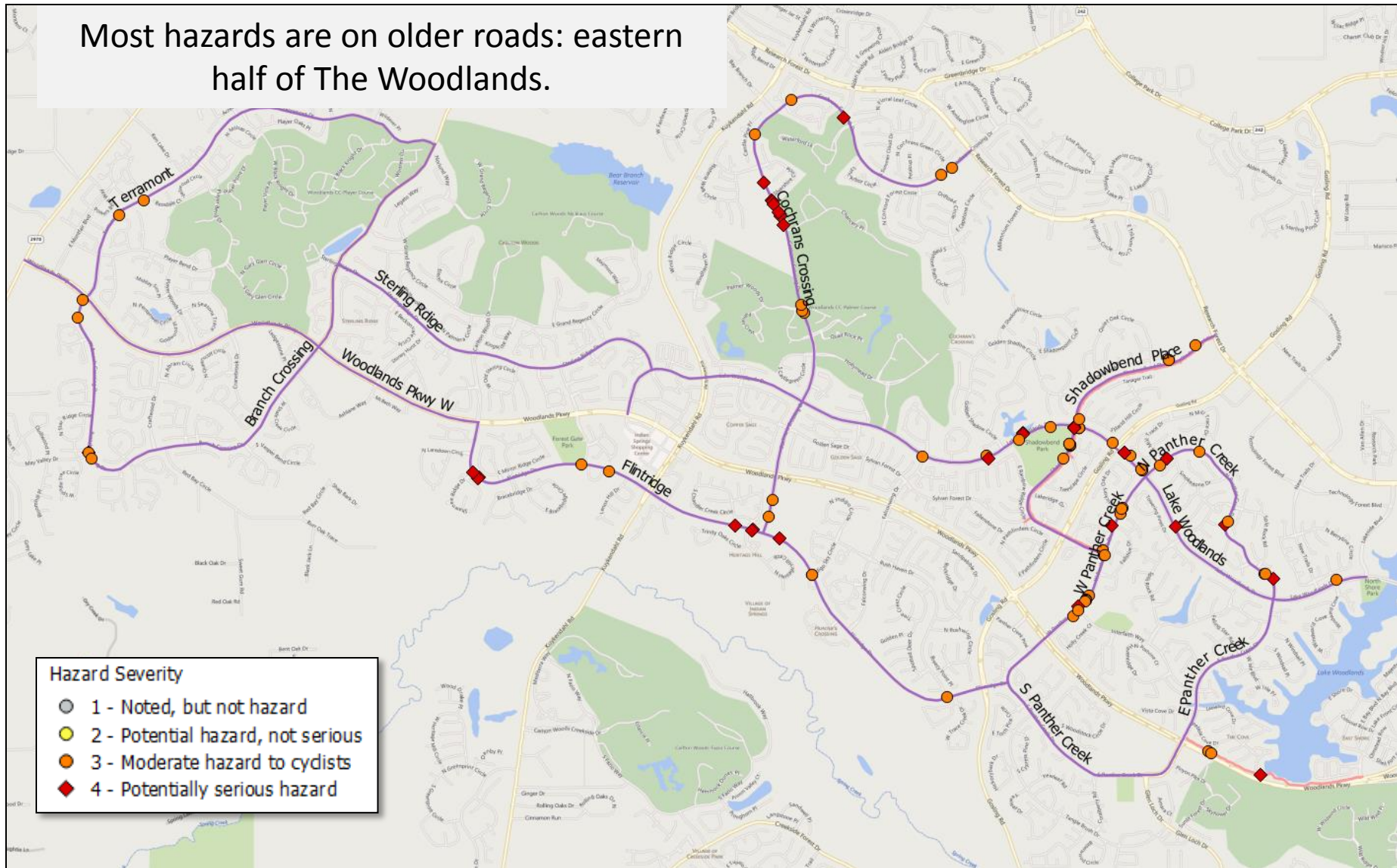
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Levels 3 and 4 only

Most hazards are on older roads: eastern half of The Woodlands.



Hazards by road

	Distance, mi	Hazard level:				Total
		1	2	3	4	
Branch Crossing	3.51	1	5	4	1	11
Cochrans Crossing	3.26		2	9	8	19
Flintridge	3.46		5	5	7	17
Lake Woodlands	6.08	8	7	18	6	39
North Panther Creek	1.25		1	3	4	8
Shadowbend	1.86	1	24	12	6	43
Shadowbend pathway	2.61		12	1		13
Sterling Ridge	1.86		3			3
Terramount	2.31		1	2		3
West Panther Creek	0.98			12	1	13
Woodlands Parkway (West)	2.61		7			7
Woodlands Parkway pathway	0.94		1	2	1	4
	30.73	10	68	68	34	180

Distance is distance surveyed.

- The following slides show some examples.

LW-7
Lake Woodlands
Westbound

Hazard type: Pothole
Severity: 4

Serious pothole



IMG_0772

LW-15
Lake Woodlands
Westbound

Hazard type: Rough area and Pothole
Severity: 3



IMG_0780

LW-20
Lake Woodlands
Eastbound

Hazard type: Rough area
Severity: 3

Shoulder deterioration
leading to narrower-than-
expected shoulder.



IMG_0787

IMG_0787.JPG

Location WP 6
Woodlands Pkwy
Eastbound

Hazard Type: Pothole
Severity: 2

6" wide gouge in the shoulder over 4 feet long which cyclists tire could get stuck in and cause bike to fall. Unlike Flintridge, Shoulder is wider on this stretch of and cyclists are able to ride to the right of the damaged shoulder comfortably if they see the pot hole in time.



IMG_2041

Location Sh-13
Shadowbend
Northbound

Hazard Type: Pothole
Severity: 4

3.5" drop from road surface to shoulder at
intersection with LW Photo 1



WP_20141230_012

WP_20141230_012.jpg

Location Sh-20
Shadowbend
Northbound

Hazard Type: Lip
Severity: 3

Eroded Section from Roadway 1.5" deep-
Photo 1



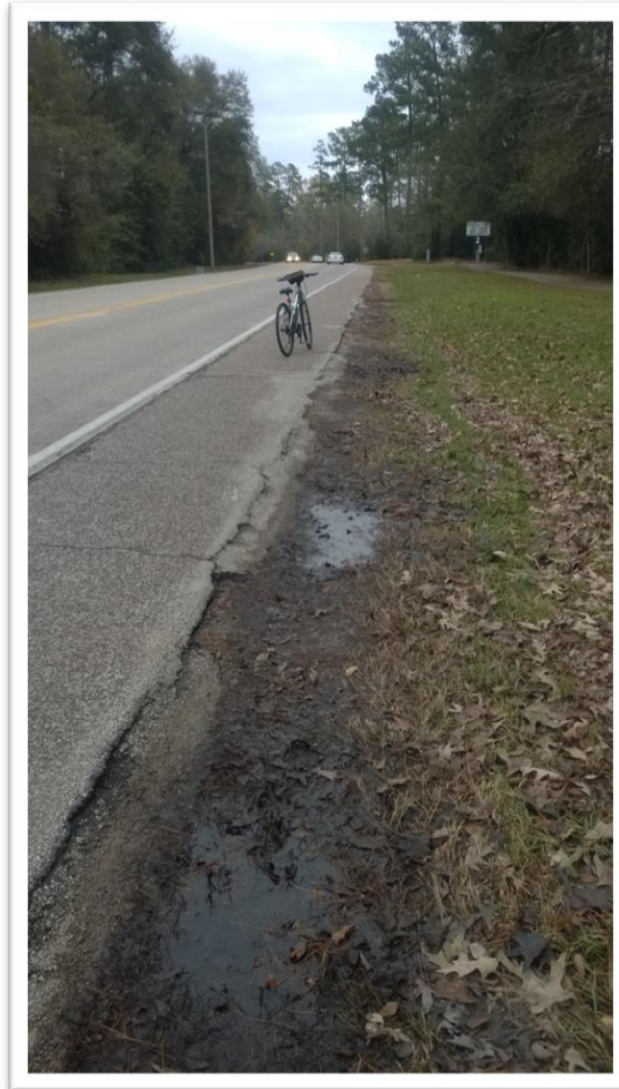
WP_20141230_019

WP_20141230_019.jpg

Location Sh-22
Shadowbend
Northbound

Hazard Type: Maint.
Severity: 2

Degraded shoulder edge due to car parking
near Collins Intermediate School



WP_20141230_022

WP_20141230_022.jpg

Location Sh-27
Shadowbend
Southbound

Hazard Type: Other
Severity: 2

Sewer Structure 1" above shoulder



WP_20141230_027

WP_20141230_027.jpg

Location Sh-31a
Shadowbend
Southbound

Hazard Type: Other
Severity: 2

Degraded Edge near Intersection with LW



WP_20141230_001

WP_20141230_001.jpg

Location WPC-3
West Panther Creek
Southbound

Hazard Type: Rough area; lip
Severity: 4

Poorly repaired shoulder over more than 50
feet coupled with gap and 2 inch lip



IMG_3651

Location WPC-5
West Panther Creek
Southbound

Hazard Type: Rough area
Severity: 3

Crumbled shoulder with exposed large rocks



IMG_3588

IMG_3588.jpg

Location WPC-6
West Panther Creek
Southbound

Hazard Type: Rough area
Severity: 3

Close up of IMG3588 shoulder area



IMG_3589

Location NPC-3
North Panther Creek
Northbound

Hazard Type: Gap; Lip
Severity: 4

Large, deep gap 15 to 20 feet in length



IMG_3618