Little Lick Creek Watershed Plan

Technical Team Meeting 7
Wednesday, November 9, 2005

Agenda

2:00 Welcome & Announcements

2:15 Prioritizing Restoration Projects*

Floating Break

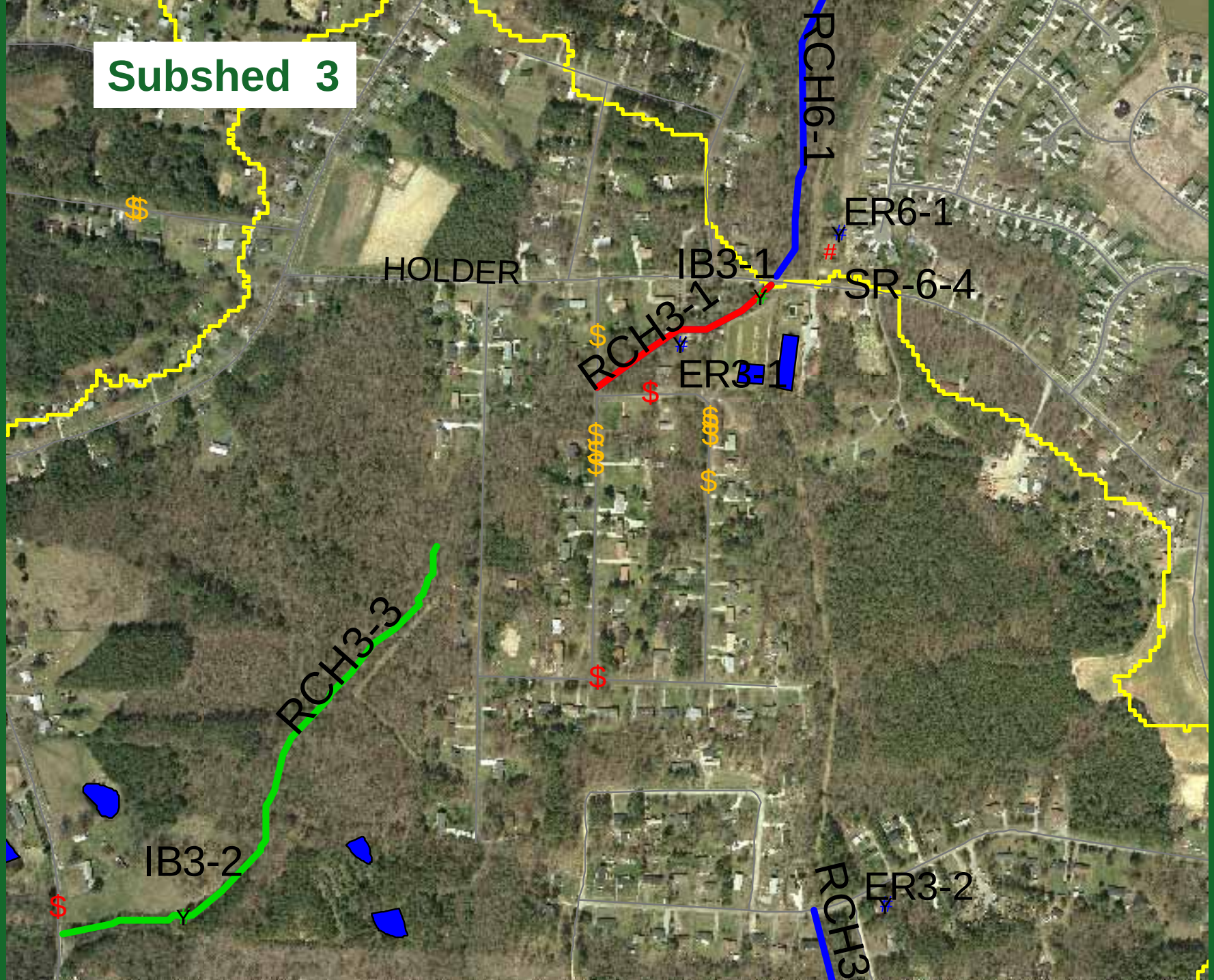
2:45 Watershed Management Strategies*

- Stream Monitoring
- Adopt-a-Stream Programs

4:00 Adjourn

* Decision Item

Announcements?

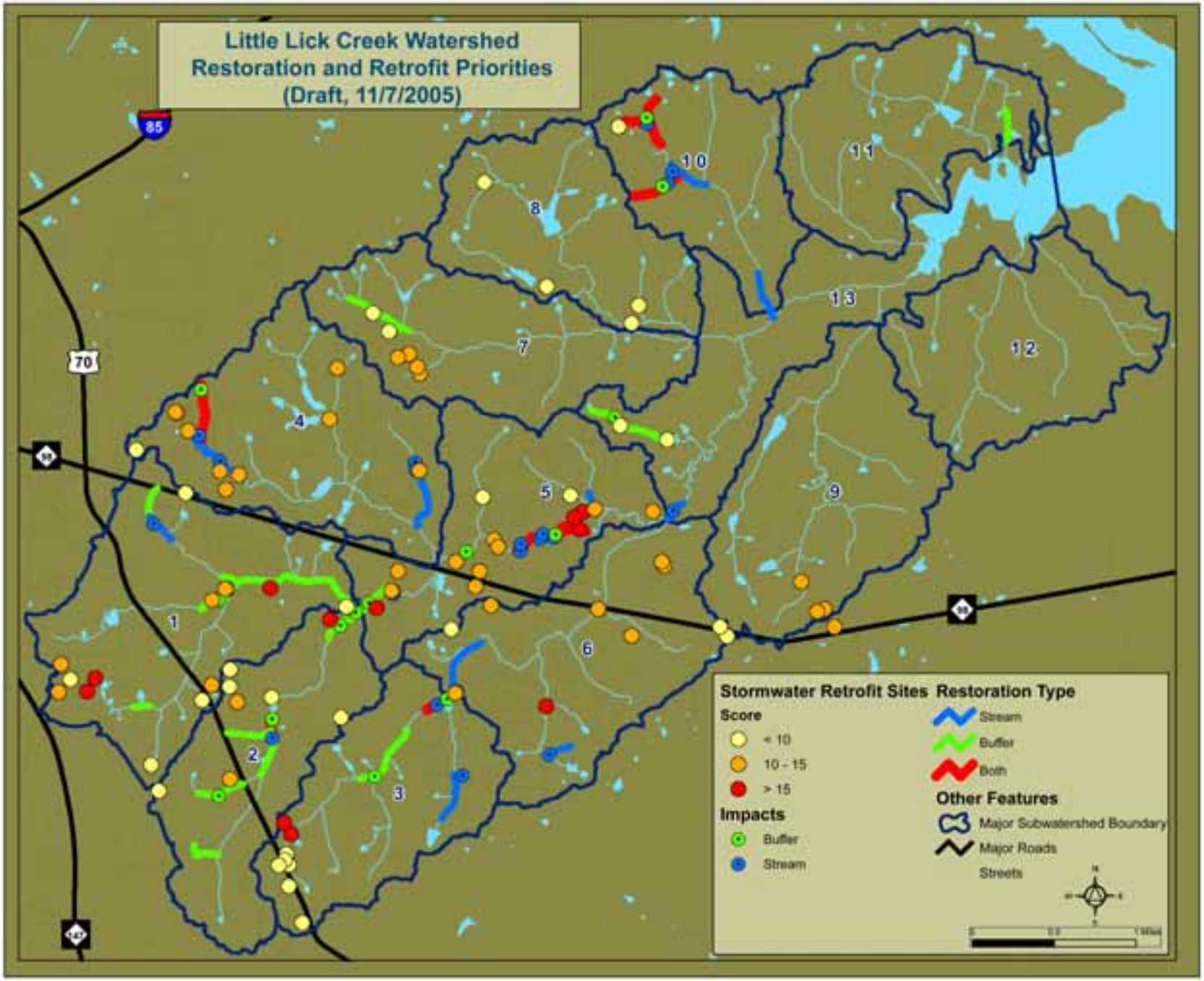

Subshed 3
RCH6-1
ER6-1
HOLDER
IB3-1
SR-6-4
RCH3-1
ER3-1
RCH3-3
IB3-2
ER3-2
RCH3

Prioritizing Restoration Projects

Technical Memorandum #4

At our November meeting, we

- Reviewed the stream repair, buffer rest., and stormwater retrofit priorities
- Discussed subwatershed-level need for management
- Look for “clusters” of restoration opportunities


Little Lick Creek Watershed
Restoration and Retrofit Priorities
(Draft, 11/7/2005)
85
70
1
2
3
4
5
6
7
8
9
10
11
12
13
Stormwater Retrofit Sites
Score
< 10
10 - 15
> 15
Impacts
Buffer
Stream
Restoration Type
Stream
Buffer
Both
Other Features
Major Subwatershed Boundary
Major Roads
Streets

Technical Memorandum #4

Conclusions

- High or highest priority:
  - 17 buffer restoration
  - 7 stream repair
  - 51 stormwater retrofits

- 71% (84 of 118) potential restoration and retrofit priorities are located in SWs 1-5

TM #4: Buffer Restoration

4 may meet EEP minimum length requirements:

- RCH 1-5, IB 2-10, RCH 2-2, IB 5-3,4&5

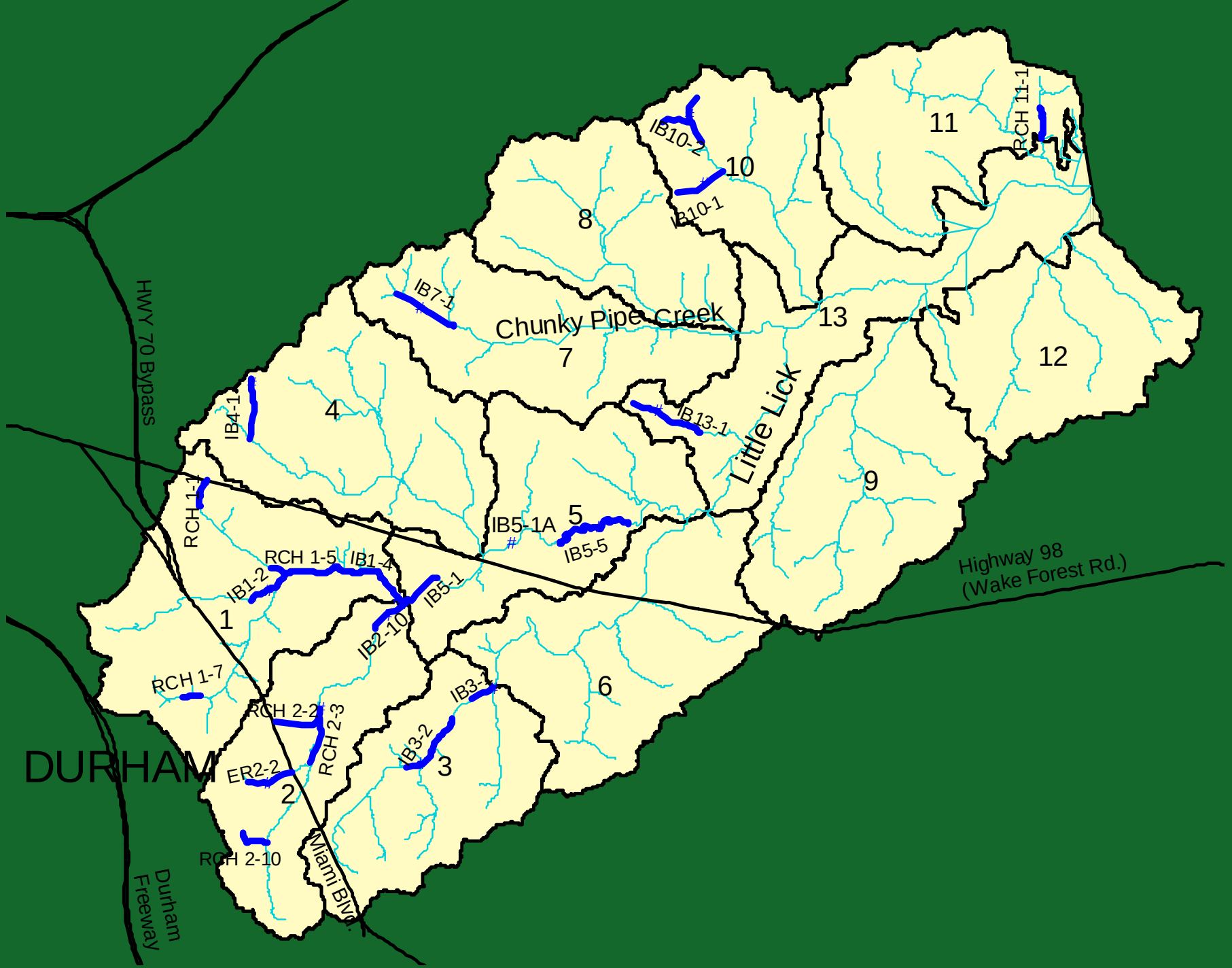
Some may meet EEP length requirements when combined:

- IB 3-2 (RCH 3-3)
- IB 5-1A
- IB 5-1B & IB 1-4 with IB 2-10

TM #4: Buffer Restoration

Willing landowner or public property:

- IB 1-4, IB 5-5, IB 5-1B, IB 5-2, RCH 11-1


HWY 70 Bypass
Chunky Pipe Creek
Little Lick
Highway 98
(Wake Forest Rd.)
DURHAM
Durham Freeway
Miami Blvd.
RCH 2-10
IB10-2
IB10-1
RCH 11-1
IB7-1
IB4-1
IB13-1
RCH 1-1
IB5-1A
IB5-5
RCH 1-5
IB1-4
IB1-2
IB5-1
IB2-10
RCH 1-7
RCH 2-1
RCH 2-3
IB3-1
IB3-2
ER2-2
1
2
3
4
5
6
7
8
9
10
11
12
13

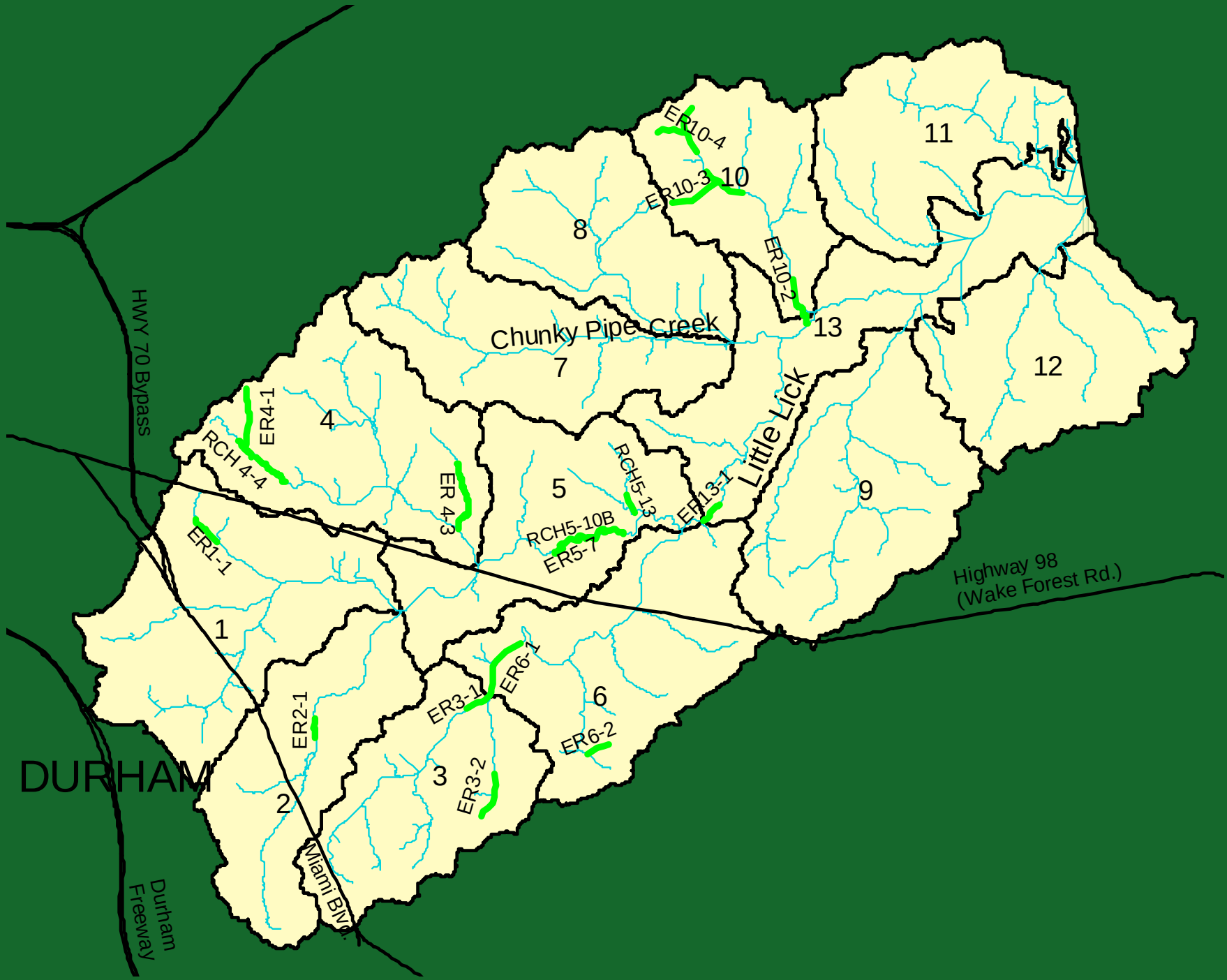
TM #4: Stream Repair

May meet EEP minimum length requirements:

- RCH 5-10B (ER 5-7, 5-8 & 5-9; IB 5-3&4)
- RCH 4-4

Willing landowner or public property:

ER 2-1, ER 3-1, RCH 5-10B, RCH 5-13


ER10-4
ER10-3
ER10-2
11
10
8
13
12
Chunky Pipe Creek
7
Little Lick
9
HWY 70 Bypass
ER4-1
RCH 4-4
4
ER 4-3
5
RCH5-13
ER13-1
RCH5-10B
ER5-7
ER1-1
Highway 98
(Wake Forest Rd.)
1
ER6-1
ER3-1
6
ER2-1
ER6-2
DURHAM
3
ER3-2
2
Miami Blvd.
Durham
Freeway

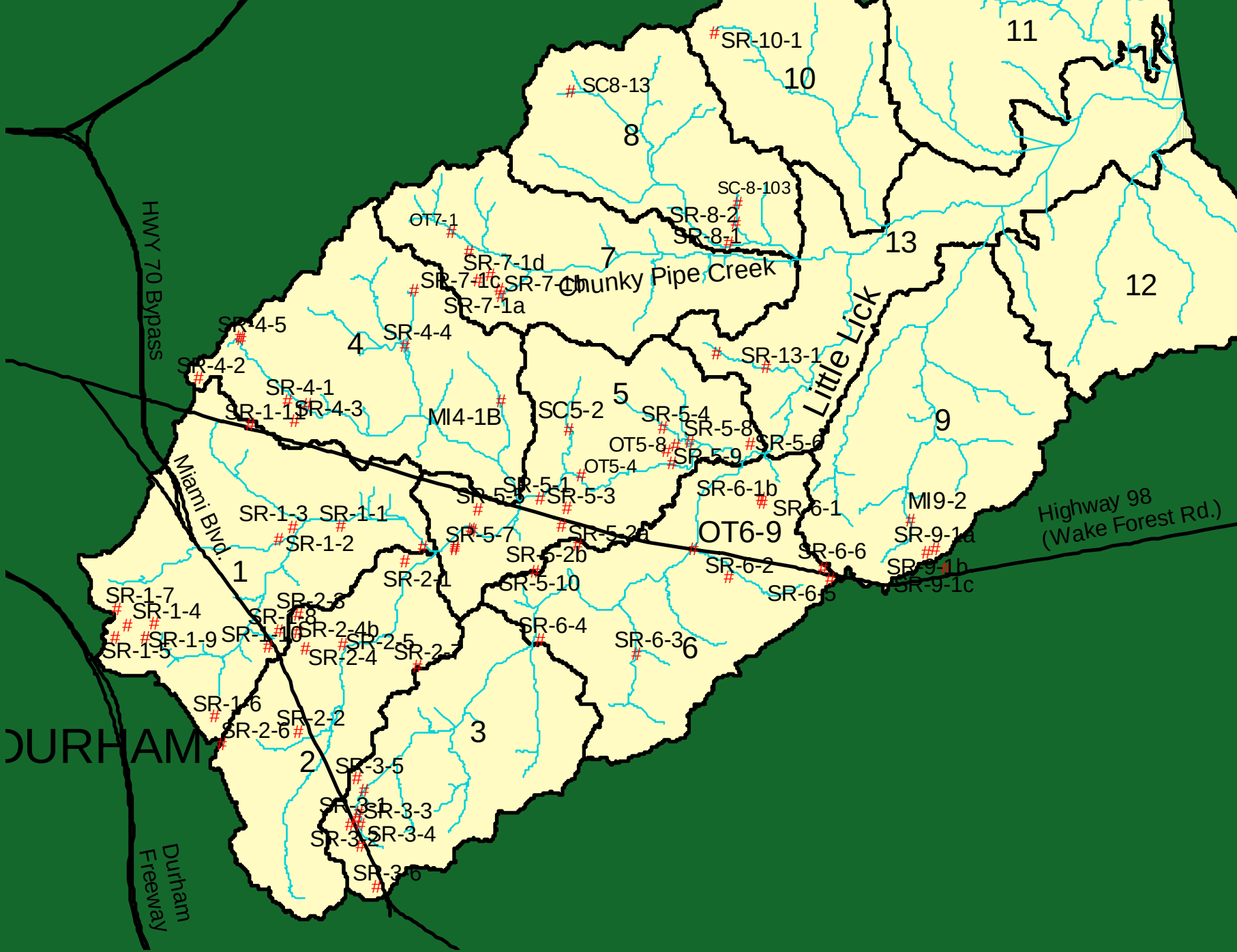
TM #4: Stormwater Retrofits

Several SW retrofits treat large areas:

- **SR 1-1 (15 ac.)**
- **SR 1-4 (up to 23 ac.)**
- **SR 2-1 (51 ac.)**
- **SR 5-7 (19 ac.)**
- **SR 6-3 (230 ac.)**

Willing landowner or public property:

SR 1-1, 1-4, 4-4, 5-2a, 5-2b, 5-6, 5-7, 5-8, 5-9, 6-1B, 7-1(a-d), & 9-1(a-c), OT 5-4


SR-10-1
11
10
SC8-13
8
SC-8-103
SR-8-2
SR-8-1
OT7-1
SR-7-1d
7
13
12
SR-7-1c
SR-7-1b
Chunky Pipe Creek
SR-7-1a
Little Lick
SR-4-5
4
SR-4-4
SR-13-1
SR-4-2
SR-4-1
5
SR-1-1
SR-4-3
MI4-1B
SC5-2
SR-5-4
SR-5-8
9
OT5-8
SR-5-6
SR-5-9
OT5-4
SR-5-1
SR-5-3
SR-6-1b
SR-6-1
MI9-2
Highway 98
(Wake Forest Rd.)
SR-1-3
SR-1-2
SR-5-7
SR-5-2b
OT6-9
SR-9-1a
SR-6-6
SR-6-2
SR-9-1b
SR-9-1c
SR-6-5
1
SR-2-1
SR-5-10
SR-1-7
SR-1-4
SR-2-3
SR-1-8
SR-2-4b
SR-6-4
SR-6-3
SR-1-9
SR-1-10
SR-2-5
SR-2-7
SR-1-5
SR-2-4
6
SR-1-6
SR-2-2
SR-2-6
3
2
SR-3-5
SR-3-1
SR-3-3
SR-3-4
SR-3-2
SR-3-6
Miami Blvd.
HWY 70 Bypass
Durham Freeway
DURHAM

TM #4 Review

Little Lick Creek
Management Strategies

Comprehensive Watershed Management

A management approach that addresses existing impairment and attempts to prevent future degradation through multiple strategies.

Watershed Management Strategies

1. Stream repair projects
2. Buffer restoration projects
3. Stormwater retrofit projects
4. “Hot Spots” detection & elimination
5. Critical lands protection
6. Better site design
7. Improved enforcement of existing rules
8. Watershed outreach and education
9. Adopt-A-Stream programs
10. Stream monitoring

Management Strategy	Reviewer	Tech Team Review Date
Watershed restoration strategies		
1. Stream repair projects	Cherri Smith, Chris Mankoff	
2. Buffer restoration projects	Cherri Smith, Chris Mankoff	
3. Stormwater retrofit projects	Joe Albiston, Steve Kroeger, Chris Mankoff	
4. "Hot spot" detection & elimination	Joe Albiston, Chris Outlaw, Bobby Louque	
Strategies to prevent future degradation		
5. Critical lands protection	Cherri Smith	
6. Better site design and construction	Joe Pearce, Chris Mankoff	
7. Improved enforcement of existing rules	Joe Pearce	
Strengthening watershed stewardship		
8. Watershed outreach and education	Laura Webb Smith, Steve Kroeger	
9. Adopt-a-Stream programs	Laura Webb Smith	December 14
10. Stream monitoring	Steve Kroeger, Bobby Louque, Chris Outlaw, Laura Webb Smith	December 14

Watershed Management Strategies

Review

Recommendation #10: Stream Monitoring

Watershed Management Strategies

Review

Recommendation #9: Adopt-a-Stream Programs

Up Next…

Technical Team:

Early and Mid January (not the 11th)

Community Meeting: Late Jan./early Feb.