



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

September 30, 2014

FCD Resolution

Proposed No. FCD2014-13.2

Sponsors

1 A RESOLUTION adopting Provisional Level of Protection Goals

2 for the Green River System-Wide Improvement Framework.

3 WHEREAS, in the Spring of 2013, the King County Flood Control Zone District
4 ("District"), in cooperation with numerous partners, commenced preparation of the Green
5 River System-Wide Improvement Framework ("SWIF") to protect the Green River
6 Valley's economic base from flooding, while strengthening the resiliency of its natural
7 systems; and

8 WHEREAS, the SWIF will provide for management of the Green River Valley in
9 a manner that meets multiple and often competing federal, state and local mandates
10 associated with endangered species recovery, flood protection, clean water standards and
11 economic health; and

12 WHEREAS, the SWIF will include a collective vision across diverse partners
13 regarding flood protection goals and long-term actions that are necessary to achieve this
14 vision; and

15 WHEREAS, the SWIF planning process is anticipated to be completed in
16 February 2015; and

17 WHEREAS, the major elements of the SWIF planning process are (1) to establish
18 and involve a stakeholder committee, (2) to conduct public outreach, (3) to determine
19 goals, objectives, vision and strategy, (4) to evaluate flood risks and level of protection

alternatives, (5) to assess habitat restoration opportunities and vegetation management

alternatives, and (6) to develop capital projects and a financing plan for them; and

WHEREAS, District approval of the SWIF will allow the District to remain eligible for capital project funding under PL 84-99; and

WHEREAS, as part of the SWIF planning process, five technical memoranda have been issued: (1) Aquatic, Floodplain and Riparian Vegetation and Habitat Assessment, (2) Geomorphology Assessment, (3) Geotechnical Assessment, (4) Hydraulic Assessment and (5) Economic Analysis; and

WHEREAS, as part of the planning process, a Current Conditions Report has been issued, a portion of which is called a Vegetation and Habitat Resources Technical Memorandum; and

WHEREAS, among other things, the planning process so far has revealed that (1) levee overtopping that exceeds design protection will result in floodplain inundation of 1 to 10 feet or more; (2) system-wide annual damages due to flooding are estimated to be \$47.1 million (per HEC-FDA modeling); (3) present value damages due to flooding are estimated to be \$1.1 billion (based on fifty years and 3.5 percent discount rate); and (4) 5,371 residential structures are estimated to be located in the SWIF planning area; and

WHEREAS, nine provisional Level of Protection ("LOP") Study 'B' areas have been evaluated to assess the effects of achieving a maximum LOP of 18,800 cfs; and

WHEREAS, LOP goals do not equate to the future alignment of flood protection facilities; and

WHEREAS, the alignment of flood facilities will be identified through subsequent SWIF phases; and

43 WHEREAS, the Board of Supervisors of the District desires to approve LOP
44 goals for the SWIF; now, therefore
45 BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE KING COUNTY
46 FLOOD CONTROL ZONE DISTRICT:

47 SECTION 1. The board of supervisors of the King County Flood Control Zone
48 District approves provisional level of protection ("LOP") flooding goals for the Lower
49 Green River portion of the Green River System-Wide Improvement Framework, as
50 shown on Attachment A to this resolution.

51

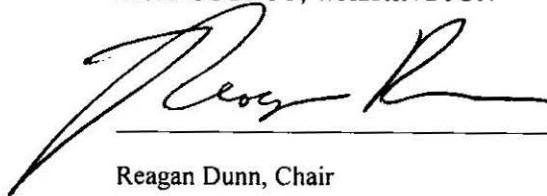
FCD Resolution was introduced on and passed as amended by the King County Flood Control District on 9/29/2014, by the following vote:

Yes: 7 - Mr. Gossett, Ms. Hague, Ms. Lambert, Mr. Dunn, Mr. McDermott, Mr. Dembowski and Mr. Upthegrove

No: 0

Excused: 2 - Mr. Phillips and Mr. von Reichbauer

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON


Reagan Dunn, Chair

ATTEST:



Anne Noris, Clerk of the District

Attachments: A. Provisional Level of protection flooding goals for the Lower Green River portion of the Green River System-Wide Improvement Framework 9-8-14

LOP 'B' Study Area 1
Left Bank
11-12.5
LOP 'A'/Green

LOP 'B' Study Area 6
Black River Extension
LOP 'B'/Orange

LOP 'B' Study Area 7
Right Bank
11-12.45 – LOP 'B'/Orange
12.45-14.5 – LOP 'C'/Red

LOP 'B' Study Area 2
Left Bank
17-17.85 – LOP 'A'/Green
17.85-18.8 – LOP 'C'/Red
18.8-19.2 – LOP 'A'/Green

LOP 'B' Study Area 3
Left Bank
23.8-24.04
LOP 'C'/Red

LOP 'B' Study Area 4
Left Bank
25.2-27.7
LOP 'C'/Red

LOP 'B' Study Area 8
Right Bank
29.6-30
LOP 'A'/Green

LOP 'B' Study Area 9
Right Bank
30.4-31.1
LOP 'A'/Green

LOP 'B' Study Area 5
Left Bank
31.1-32
LOP 'A'/Green

**Provisionally Approved Lower Green River LOP Goals:
Project Team Recommendations for LOP 'B' Areas
DRAFT 9/8/14 B**

Level of Protection

- A: Maintain Current Condition and/or LOP
(15.9 miles, 36% of total)
- B: Increase LOP to Achieve a TBD LOP that Ranges
Between the Current LOP and the Maximum
(2.1 miles, 5% of total)
- C: Increase LOP to Achieve Maximum LOP
(25.8 miles, 59% of total)

Provisional LOP goals do not equate to future alignment of flood protection facilities.



0 0.5 1 2 Miles

2013 image