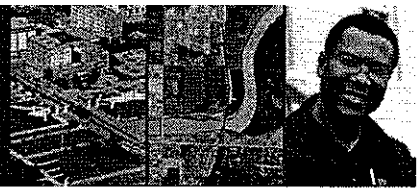
FEMA



Pre-QR3 Submission Questionnaire and Self-Certification Form (Page 1)	
Study Name	Davis County, UT PMR
MIP Case Number	10-08-1054S
Mapping Partner	URS - Salt Lake City
Sub-consultant(s)	None
Project Manager (Name, email, phone)	Remmet deGroot, remmet.degroot@urs.com, 801-904-4020
QR2 Passing Date	11/7/2013
Planned QR3 Submittal Date	11/26/2013
What is the Project's present SPI? If out of FEMA tolerance, please describe any quality factors you feel contribute to the variance.	0.99
What is the Project's present CPI? If out of FEMA tolerance, please describe any quality factors you feel contribute to the variance.	1.00
Please list the flooding source(s) that are newly studied or restudied with this map action. Please also indicate those flooding sources where redelineation was performed (using updated terrain data) without new engineering analysis.	Restudied: Barton Creek, Dry Hollow #2, Mill Creek, North Canyon Creek, North Fork Stone Creek, Stone Creek, Davis Creek, Farmington Creek, Haight Creek, Baer Creek, Holmes Creek Diversion, North Fork Holmes Creek, Kays Creek, Middle Fork Kays Creek, North Fork Holmes Creek Diversion, North Fork Kays Creek, Snow Creek, South Fork Kays Creek
Please describe your pre-QR3 internal validation (inspection) activities. You may use the Comments section as needed. Please also attach your quality records (checklists, call sheets, etc) that demonstrate how your internal reviews were conducted.	Performed detail checks and independent technical review on all tasks. A completed summary review form from the independent technical review (including comments and dispositions) is included.

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Pre-QR3 Submission Questionnaire and Self-Certification Form (Page 2)	
Please provide any FEMA-approved project-related decisions that directly affect the results shown on the study being submitted for independent review.	None
Please itemize issues or concerns you wish to be known before the QR3 review begins. If your comments are extensive, please use the "Comments" section below or create a separate document to attach to this form.	None
To the best of your knowledge, does this study comply with all FEMA standards identified in the project Mapping Activity Statement and/or Scope of Work and has passed the QR2 review stage?	☒ Yes ☐ No If you selected "No", please provide an explanation in the "Comments" section below.
Comments:	

Self-Certification		
I certify that the information provided on this form is complete and correct and the study being submitted for QR3 is ready for independent review.		11/26/13
	Mapping Partner Signature	Date
	Remmet de Groot	
	Printed Name	

RiskMAP
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URS

REVIEW COMMENT FORM

ORIGINATOR

CLIENT: UTAH CTP PROJECT NUMBER: PROJECT NAME Davis County, UT PMR

DOCUMENT BEING REVIEWED: Davis County PMR Deliverables

DETAILED LIST OF REVIEW PACKAGE CONTENTS (e.g., Report, CD, TSDN, Profiles, etc.): Preliminary FIS, FIRMS, DB, Letters, SOMA

REVIEWER'S INITIALED VERIFICATION OF REVIEW PACKAGE CONTENTS:

REVIEW TYPE: ☒ Detailed Check ☒ ITR ☐ FEMA/NSP

DATE: 11/1/2013 COMMENTS DUE DATE: 11/6/2013 RETURN COMMENTS TO: URS SLC

RESOLUTION MEETING DATE AND TIME: RESOLUTION MEETING LOCATION:

See also QR3 Checklist

REVIEWER: Sean O'Melveny ORGANIZATION: ☐ URS-SLC ☒ URS ABQ

RESOLUTION MEETING FINAL CONCURRENCE

ORIGINATOR Sign & Date: Brian Humitch 11/21/13

REVIEWER Sign & Date: Sean O'Melveny 11/21/2013

PROJECT MANAGER/ PRINCIPLE–IN-CHARGE/DESIGNEE Sign & Date: 11/21/13

No.	Reference	Comment	Disp.	Response	Ver.
1	Detail Check Conducted	1) FIS – **Yes** 2) Prelim Letters – **Yes** 3) **SOMA - No** 4) DB – **Yes** (DVT Test Pass and DB Checklist) 5) FIRM Panels – **Yes** – *QA/QC Documentation is hard to read. Recommend exporting to .pdf again to make it easier to read.* 6) *See some comments below where DC missed or was not incorporated correctly.*	D	SOMA letters and DC submitted 11/8/2013	N/A

NOTES:

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cc: PROJECT QUALITY ASSURANCE FILE, OFFICE QUALITY ASSURANCE OFFICE

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2	Scope of Work	Section 10.2 of the FIS states 27 panels were revised. 31 panels were submitted for review. S_FIRM_PAN lists 27 panels as being preliminary with another 4 panels (30 total) with an effective date of 1/1/2013. Make sure scope of panels revised is in agreement across all products.	C	Completed; 31 panels total	SCO
3	Preliminary Date	FIS and FIRMs don't show Prelim Date, while Prelim Letters show a past date of 10/15/2013. Verify Prelim Date has yet to be set and will be included before issuance.	C	Prelim date set on all products to February 21, 2014	SCO
4	Database completeness	Recommend not submitting .sbx and .sbn files on the MIP	C	Removed these files	SCO
5	***Database***	Remove excess domain fields from all layers before submitting to the MIP (example –D_ANI_TF in S_POL_AR, D_Source_C in S_POL_LN, etc). - ***The non-domain ANI_TF field was removed from S-POL_AR while all fields starting in "D" were kept for all Layers*** - ***Non-domain field Source_Cit was removed***	***C***	***Removed extra fields- Added field ANI_TF into S_POL_AR and Source_cit into S_Pol_Ln***	SCO
6	S_FIRM_PAN	1) 4 panels (383, 242, 229, 391) have Eff_Date of 1/1/2013. As they are PMR panels change the attribute to 9/9/9999.	C	Completed	SCO
7	S_CST_TsCt	FIS references transects. This data should be shown in the S_CST_TSCT Layer and included in the DB and shown on the FIRM.	D	As discussed, transect map will be left in FIS from previous effective, however, no data exists to include in the DB/FIRM.	N/A
8	S_POL_AR	Make "Antelope Island State Park" POL_NAME2 with 'Davis County" as POL_NAME1 ***or*** change COMM_NO to "ST", CID to "48ST" and making COM_NFO_ID blank/null	C	Changed to ST	SCO
9	L_MT_LOMC	*DC indicated this table was created.* It was not submitted for ITR Review. Add to metadata as well.	C	Completed	SCO
10	L_PAN_REVIS	As this is a PMR, Database should include L_PAN_REVIS layer. Add to metadata as well.	C	Completed	SCO
12	L_COM_INFO	Update layer per markups on FIS, Index and QR3 Checklist.	C	Completed; dates match on all products	SCO
13	S_Wtr_LN / Metadata	1) Kays Creek Railroad Split is source Cit BASE2? Should be STUDY2 per metadata 2) LOMC1 indicated as source for Dry Hollow #1 however metadata indicates LOMC did not supply water_In. Update as needed.	C	1) Completed 2) Completed	SCO

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14	S_RIV_Mrk / Metadata	Metadata indicates Source FIS1 provided S_RIV_MRK however this layer is not present. Verify original DB did not have this layer and update metadata / DB as needed.	C	Not available, corrected metadata	SCO
15	S_BFE / Metadata	1) 117 features have Source as BASE4. Verify that none of these should be STUDY4, FIS1, or LOMCs 1- 17 per Metadata. 2) 41 features have Source as STUDY1. Should these really be STUDY4 per metadata 3) 0 Features have LOMC 1- 17 which should exist per metadata. Correct DB or Metadata as needed.	C	1) Changed sources 2) Changed sources 3) LOMC 1-17 metadata includes case numbers and S_LOMR reflects Source LOMC 1-17	SCO
16	S_GEN_STRUC / Metadata	1) 4 Features have source as BASE1. Verify that these should not be FIS1, or STUDY 2-4 per Metadata 2) 26 features have BASE4. Verify that these should not be FIS1, or STUDY 2-4 per Metadata 3) 1 Feature has BASE5 Verify that this should not be FIS1, or STUDY 2-4 per Metadata	C	Changed sources	SCO
17	S_GEN_STRUC	Recommend adding structure names to match names on Profile	D	Not adding at this time, will consider after preliminary submitted	SCO
18	S_PLSS / Metadata	Per metadata this should be BASE5 not BASE2	C	Completed	SCO
19	***S_POL / Metadata***	Per metadata this should be BASE6 not BASE2 ■ ***Non-domain field Source_Cit was removed***	***C***	***Completed – Added source_cit back into s_pol_ln as required***	SCO
20	Hill Air Force Base	Feature is missing from DB. It should be Pol Name 1 "Hill Air Force Base" with a CID of 48FED. Update DB	C	Completed	SCO
21	S_Trnsport / Metadata	Per metadata this should be BASE7 not BASE2	C	Completed	SCO
22	***S_XS / L_STN_START***	1) 81 Features missing start IDs 2) 180 Features Start ID between S_XS and L_STN_Start don't match/join (both effective and new study streams) ■ ***New XS for Weber River are missing Start ID*** ■ ***Still name discrepancy between Kimbouris / Kambouris for Davis Creek I-15 Split***	***C***	***Completed – Corrected Start ID that was from Weber and name discrepancy***	SCO
23	S_XS / Metadata	1) 23 Features have Source as BASE4. Verify that none of these should be STUDY4, or FIS1 per Metadata. 2) LOMC1 indicated as source for Holmes Creek Tributary however metadata indicates LOMC did not supply S_XS. Update as needed. 3) Weber River should be STUDY4 per metadata not STUDY2 or STUDY3. 4) Recommend standardizing Wtr_NM attribute for all features to match S_WTR_LN and Profiles	C	1) Completed 2) Updated metadata 3) Completed 4) Will complete later	SCO

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24	S_FIRM / Metadata	All features should be STUDY1 per metadata not STUDY3 or BASE2	C	Completed	SCO
25	S_FLD-HAZ / Metadata	1) 34 features have BASE1 not applicable per metadata 2) 5 Features have BASE4 not applicable per metadata 3) 256 features have STUDY1 not applicable per metadata 4) 0 Features have LOMC 2- 17 which should exist per metadata 5) Verify all sources and correct DB or metadata as needed.	C	Corrected Sources	SCO
26	***S_QUAD_INDEX / Metadata***	***Source Should be BASE2 per metadata***	***C***	***Completed – File wasn't exported, but has been exported properly now***	SCO
27	S_LOMR / Metadata	Sources Should show LOMCs 2- 17. Only source is LOMC1. Recommend showing Case Number in Metadata	C	Completed; Source reflects LOMC 1-17; case numbers have been added to metadata for LOMC 1-17	SCO
28	S_LOMR/ FIS	See markups on FIS for revisions.	C	Completed	SCO
29	Draft Metadata	Cross Reference Section in incorrect. It should Cross-Reference the FIS, FIRM and DB for FEMA – not the old FIA Map.	C	Metadata now cross-references all three	SCO
30	***Drat Metadata***	***From Entity Info Section recommend removing layers that will not be submitted – examples – S_CBRS, etc.*** ■ ***Only S_CBRS was removed. Several others should be like gages, transects, nodes, station starts, water areas***	***C***	***Removed other items***	SCO
31	FIS Format	1) Change FIS file names to match required naming conventions. 2) Recommend bookmarking FIS sections.	1) C 2) D	Changed FIS names, not bookmarking at this time, will for the final	SCO
32	FIS	Floodway Data Tables were not included.	C	Floodway Data tables were provided	SCO
33	FIS	Missing Multi Volume Paragraph in Section 7 but DC indicated it was there. Format FIS TOC for Multi-Volumes before QR7.	C	Completed	SCO
34	FIS	See additional markups on the FIS and QR3 Checklist	C/D	See response to comments in document	SCO
35	Index	See additional markups on Index	C	Completed	SCO
36	Weber River Profile	Recommend extending Profile downstream to XS EI matching what is shown in Weber County. This would cover the profile baseline and SFHAs on Panel 88.	C	Completed	SCO
37	Snow Creek	Please explain better in Section 10.2 if the structure at the end of the DC contains flow or not. Add notes as needed to FIRM panels 229 and 237	C	Added to FIS that flow is contained and notes added	SCO
38	FIRMs	See additional markups on FIRMs	C/D	See response to comments on FIRMs	SCO

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39	LOMR 09-08-0502P	This LOMR goes into Panel 238. Recommend updating Panel 238 as well to show LOMR incorporation. Otherwise add note to SOMA indicating partial incorporation to FIRMs.	C	Completed – incorporated panel as it is important to community	SCO
40	LOMR 11-08-0827P	This LOMR goes into Panel 411. Recommend updating Panel 411 as well to show LOMR incorporation. Otherwise add note to SOMA indicating partial incorporation to FIRMs.	D	Panel 411 not included/updated. Partial inclusion footnote has been added to SOMA.	SCO
41	LOMR 08-08-0369P	Profile and XS for this revised section of Holmes Creek are missing on Panel 239 and from FIS Vol 2. As are most BFEs and structures.	C	Completed	SCO
42	Farmington Creek	Effective FIRM & FIS has Floodway upstream of XS F. Prelim FIRM correctly shows Floodway above this point however FDT and Profile do not show Floodway above XS F.	C	Added the information to the FDT, nothing additional available for the profile	SCO
43	Pdf coversion	A handful of panels have the ortho sfha screen corrupted in places (around the lake). This is most likely a .pdf conversion issue	C	Will correct as best we can by changing settings	SCO
44	Static BFEs and Depths	Don't include the foot symbol ' in the depths and elevations. Only marked Panel 394. Correct globally.	C	Removed '	SCO
45	Mill Creek	Why was Mill Creek in West Bountiful Revised? Per FIS Section 10.2 and Table 1 this part of the stream should have stayed the same. Profile and XS, BFEs and S_Wtr_Ln are different than effective FIS and FIRMs on Panels 393 (not identified as part of PMR) and half of 394 (also not identified as part of the PMR). See additional comments on FIS and FIRMs.	D	Working with the community who supplied models it was agreed to incorporate this section of Mill Creek.	SCO
46	North Canyon Creek	Most XS don't agree with Profile for Stationing and WSELs.	C	Corrected stationing and profile	SCO
47	Prelim Letters SOMAs	1) In General – Can't verify SOMA information on Letters without SOMAs. 2) See markups for my best guesses on South Weber, Woods Cross, 3) Verify SOMA for West Bountiful	D	SOMAs have been provided	N/A
48	Prelim Letters Communities not affected	Based on FIS Revision Notes, DB and PMR panels 1) Woods Cross not affected. Revise Letter per markups 2) Verify that North Salt Lake is not affected per comments on Panel 507 3) West Bountiful is not indicated in the FIS as having revisions, through from the DB and Letters it does. Recommend updating Table 1 and Section 10.2 as needed in FIS	C	1) Woods Cross letter revised 2) NSL is not affected – letter left as is 3) W. Bountiful affected by GSL shoreline refinement; FIS now reflects this in section 10	SCO
49	Prelim Letters	See track changes for other minor revisions	C	Completed	SCO

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50	Preliminary SOMAs	1) Verify SOMAs are needed for North SLC per Regional Preference and that Case for South Weber is still valid. 2) See SOMA markups 3) Revise MIP for Woods Point. No SOMA was submitted so Case should be "X" not included on SOMA.	C	1) No SOMAs needed for South Weber and North Salt Lake 2) See response to comments on SOMAs 3) Woods Cross SOMA not included	SCO
51	Preliminary Metadata / QR2 Validation	Submit Preliminary Version of Metadata and passing QR2 documentation.	C	QR2 passed	SCO
52					

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