Appendix

B

EXISTING CONDITION HYDROLOGIC MODEL PARAMETERS

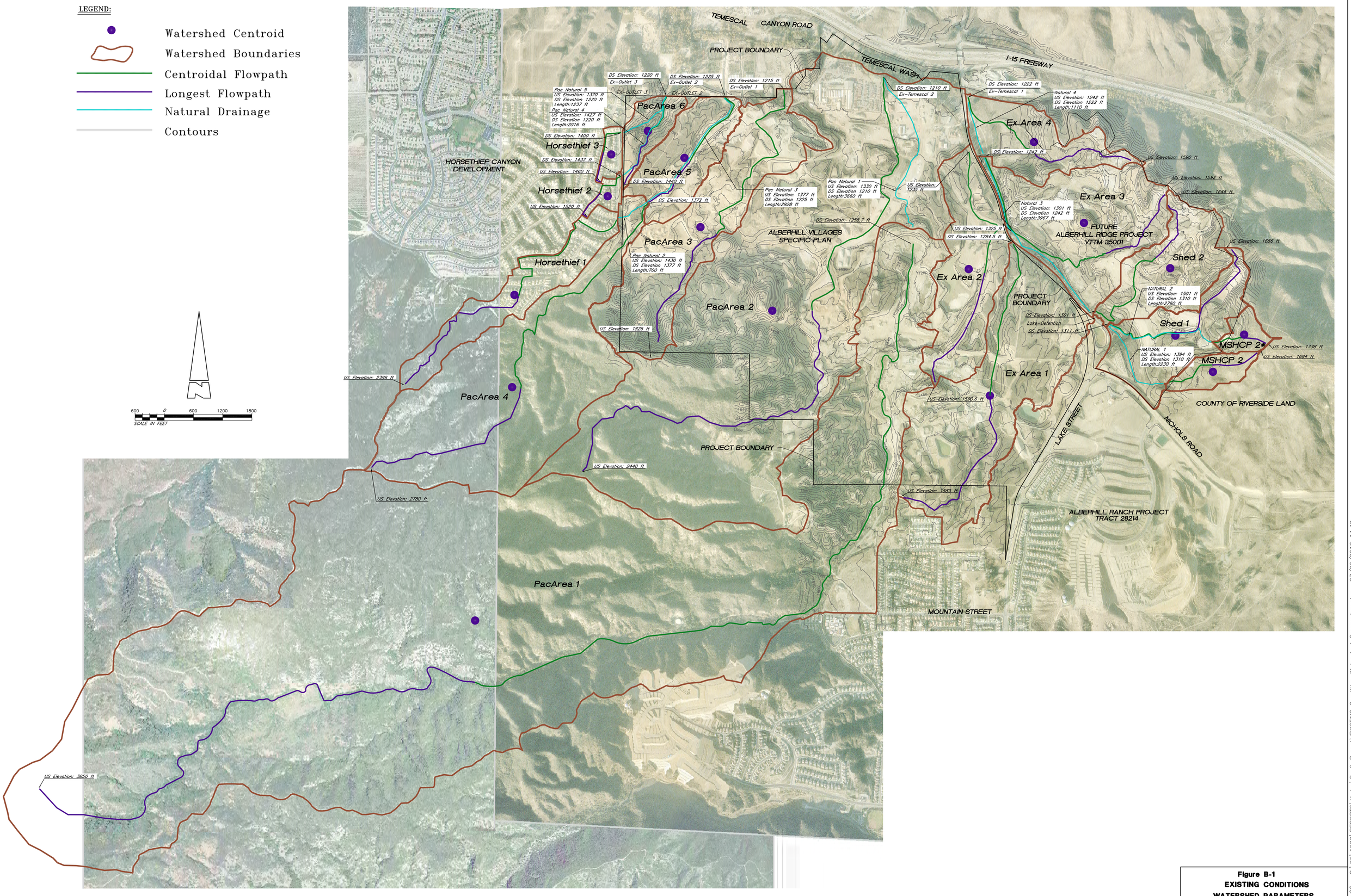

Figure B-1
EXISTING CONDITIONS
WATERSHED PARAMETERS

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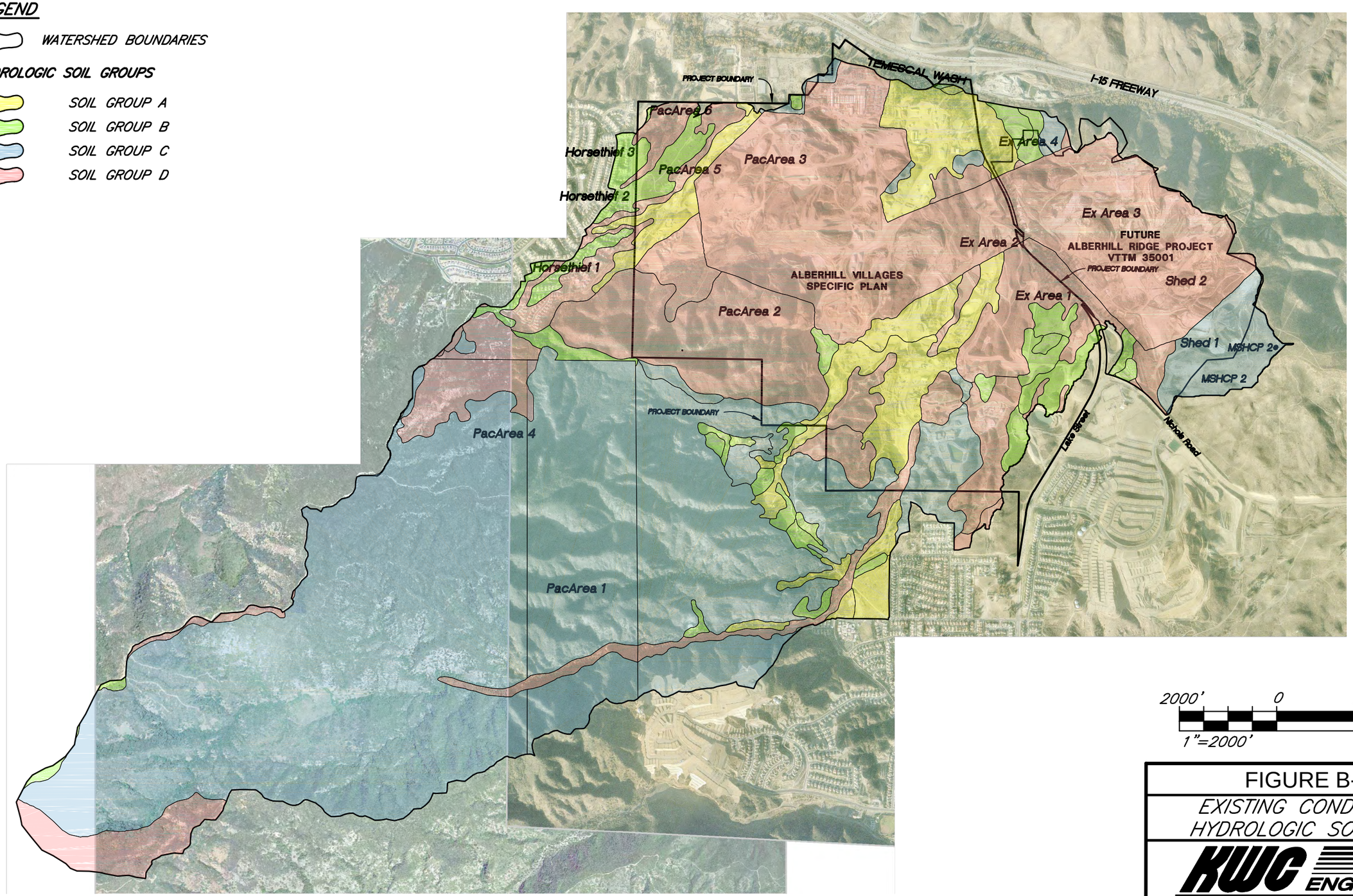
LEGEND

WATERSHED BOUNDARIES

HYDROLOGIC SOIL GROUPS

- SOIL GROUP A
- SOIL GROUP B
- SOIL GROUP C
- SOIL GROUP D



2000' 0 2000'

1"=2000'

FIGURE B-2

EXISTING CONDITIONS
HYDROLOGIC SOIL MAP

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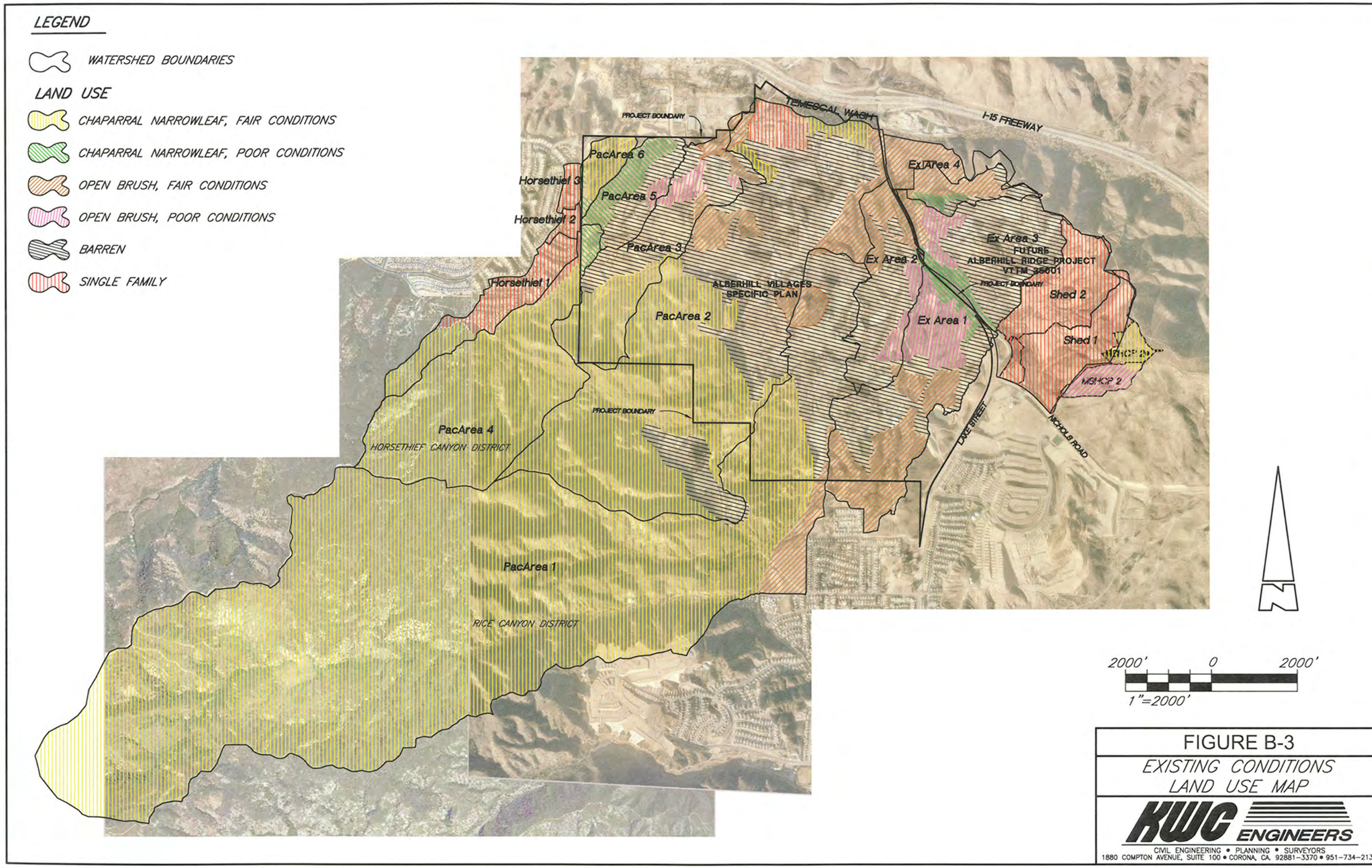

FIGURE B-3

EXISTING CONDITIONS LAND USE MAP

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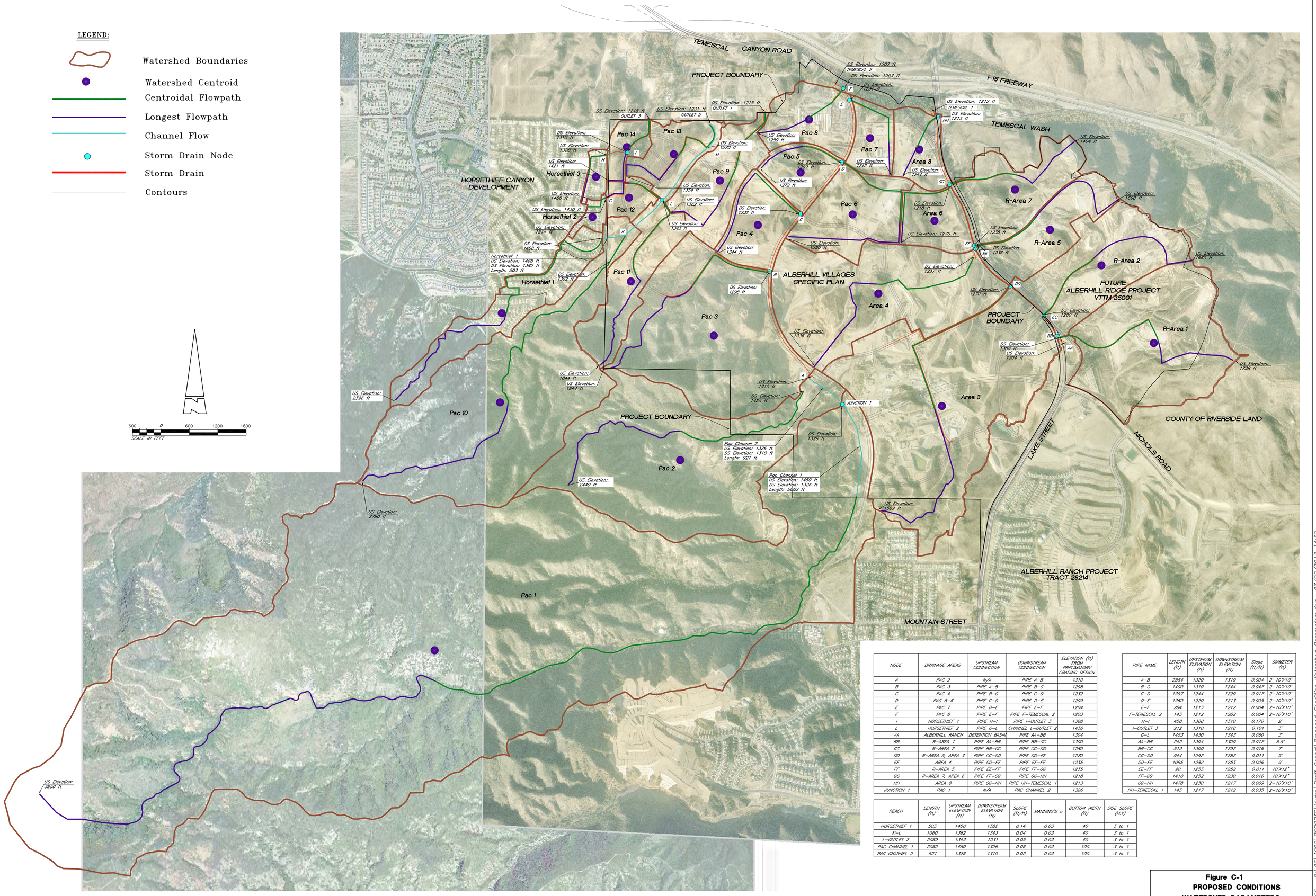
Appendix

C

PROPOSED CONDITION HYDROLOGIC MODEL PARAMETERS

LEGEND:

- Watershed Boundaries
- Watershed Centroid
- Centroidal Flowpath
- Longest Flowpath
- Channel Flow
- Storm Drain Node
- Storm Drain
- Contours



NODE	DRAINAGE AREAS	UPSTREAM CONNECTION	DOWNSTREAM CONNECTION	ELEVATION (ft) FROM PRELIMANARY GRADING DESIGN
A	PAC 2	N/A	PIPE A–B	1310
B	PAC 3	PIPE A–B	PIPE B–C	1298
C	PAC 4	PIPE B–C	PIPE C–D	1232
D	PAC 5–6	PIPE C–D	PIPE D–E	1209
E	PAC 7	PIPE D–E	PIPE E–F	1204
F	PAC 8	PIPE E–F	PIPE F–TEMESCAL 2	1203
I	HORSETHIEF 1	PIPE H–I	PIPE I–OUTLET 3	1388
L	HORSETHIEF 2	PIPE G–L	CHANNEL L–OUTLET 2	1430
AA	ALBERHILL RANCH	DETENTION BASIN	PIPE AA–BB	1304
BB	R–AREA 1	PIPE AA–BB	PIPE BB–CC	1300
CC	R–AREA 2	PIPE BB–CC	PIPE CC–DD	1280
DD	R–AREA 5, AREA 3	PIPE CC–DD	PIPE DD–EE	1270
EE	AREA 4	PIPE DD–EE	PIPE EE–FF	1236
FF	R–AREA 5	PIPE EE–FF	PIPE FF–GG	1235
GG	R–AREA 7, AREA 6	PIPE FF–GG	PIPE GG–HH	1218
HH	AREA 8	PIPE GG–HH	PIPE HH–TEMESCAL 1	1213
JUNCTION 1	PAC 1	N/A	PAC CHANNEL 2	1326

PIPE NAME	LENGTH (ft)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	Slope (ft/ft)	DIAMETER (ft)
A–B	2554	1320	1310	0.004	2–10'X10'
B–C	1400	1310	1244	0.047	2–10'X10'
C–D	1397	1244	1220	0.017	2–10'X10'
D–E	1360	1220	1213	0.005	2–10'X10'
E–F	284	1213	1212	0.004	2–10'X10'
F–TEMESCAL 2	143	1212	1202	0.004	2–10'X10'
H–I	458	1388	1310	0.170	2'
I–OUTLET 3	912	1310	1218	0.101	3'
G–L	1453	1430	1343	0.060	3'
AA–BB	242	1304	1300	0.017	6.5'
BB–CC	513	1300	1292	0.016	7'
CC–DD	944	1292	1282	0.011	9'
DD–EE	1096	1282	1253	0.026	9'
EE–FF	90	1253	1252	0.011	10'X12'
FF–GG	1410	1252	1230	0.016	10'X12'
GG–HH	1478	1230	1217	0.009	2–10'X10'
HH–TEMESCAL 1	143	1217	1212	0.035	2–10'X10'

REACH	LENGTH (ft)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	SLOPE (ft/ft)	MANNING'S n	BOTTOM WIDTH (ft)	SIDE SLOPE (h:v)
HORSETHIEF 1	503	1450	1382	0.14	0.03	40	3 to 1
K–L	1060	1382	1343	0.04	0.03	40	3 to 1
L–OUTLET 2	2069	1343	1231	0.05	0.03	40	3 to 1
PAC CHANNEL 1	2062	1450	1326	0.06	0.03	100	3 to 1
PAC CHANNEL 2	921	1326	1310	0.02	0.03	100	3 to 1

Figure C-1
PROPOSED CONDITIONS
WATERSHED PARAMETERS

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LEGEND

WATERSHED BOUNDARIES

HYDROLOGIC SOIL GROUPS

- SOIL GROUP A
- SOIL GROUP B
- SOIL GROUP C
- SOIL GROUP D

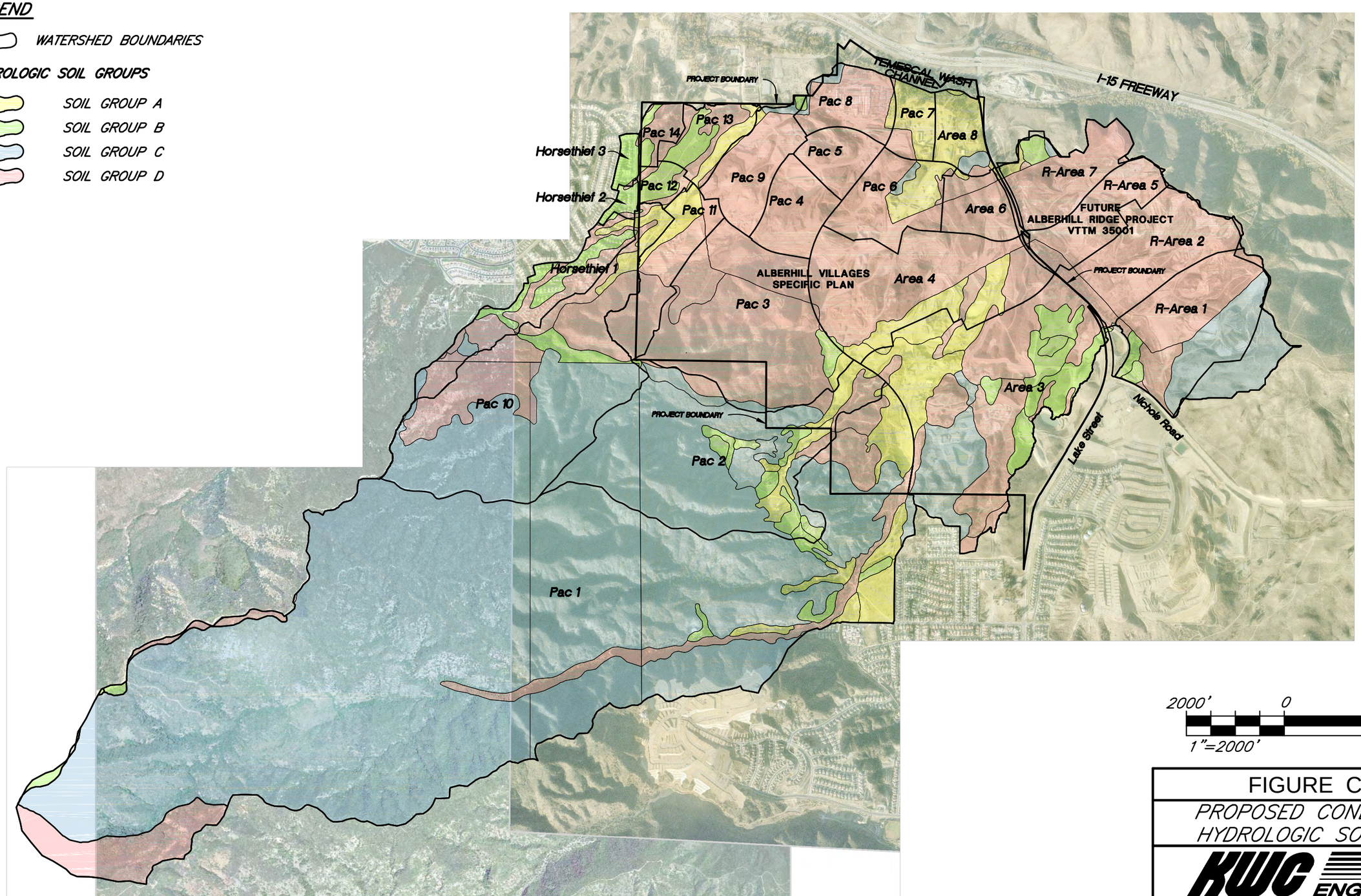

FIGURE C-2

PROPOSED CONDITIONS
HYDROLOGIC SOIL MAP

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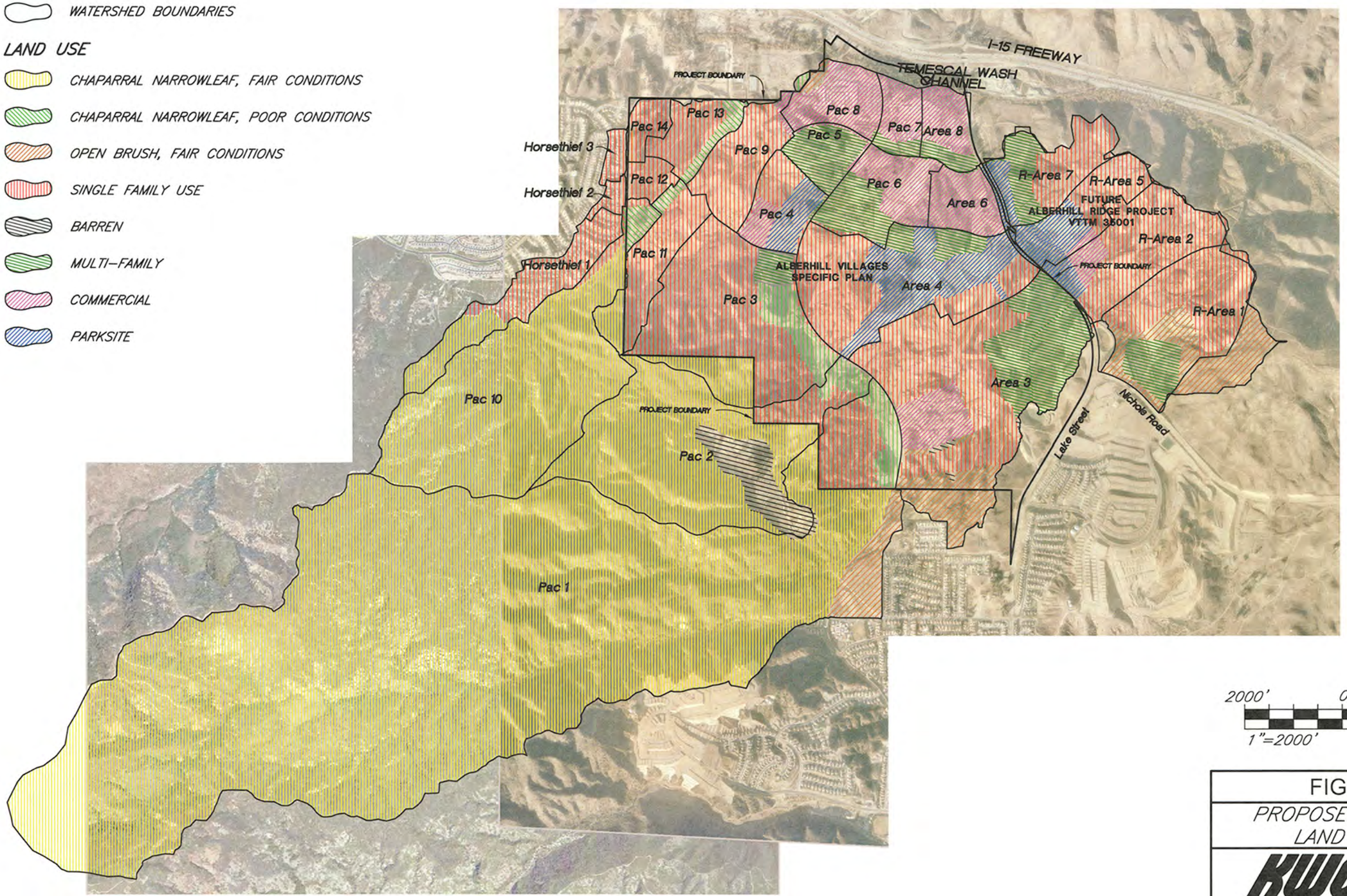
LEGEND

WATERSHED BOUNDARIES

LAND USE

- CHAPARRAL NARROWLEAF, FAIR CONDITIONS
- CHAPARRAL NARROWLEAF, POOR CONDITIONS
- OPEN BRUSH, FAIR CONDITIONS
- SINGLE FAMILY USE
- BARREN
- MULTI-FAMILY
- COMMERCIAL
- PARKSITE



2000' 0 2000'

1"=2000'

FIGURE C-3

PROPOSED CONDITIONS LAND USE MAP

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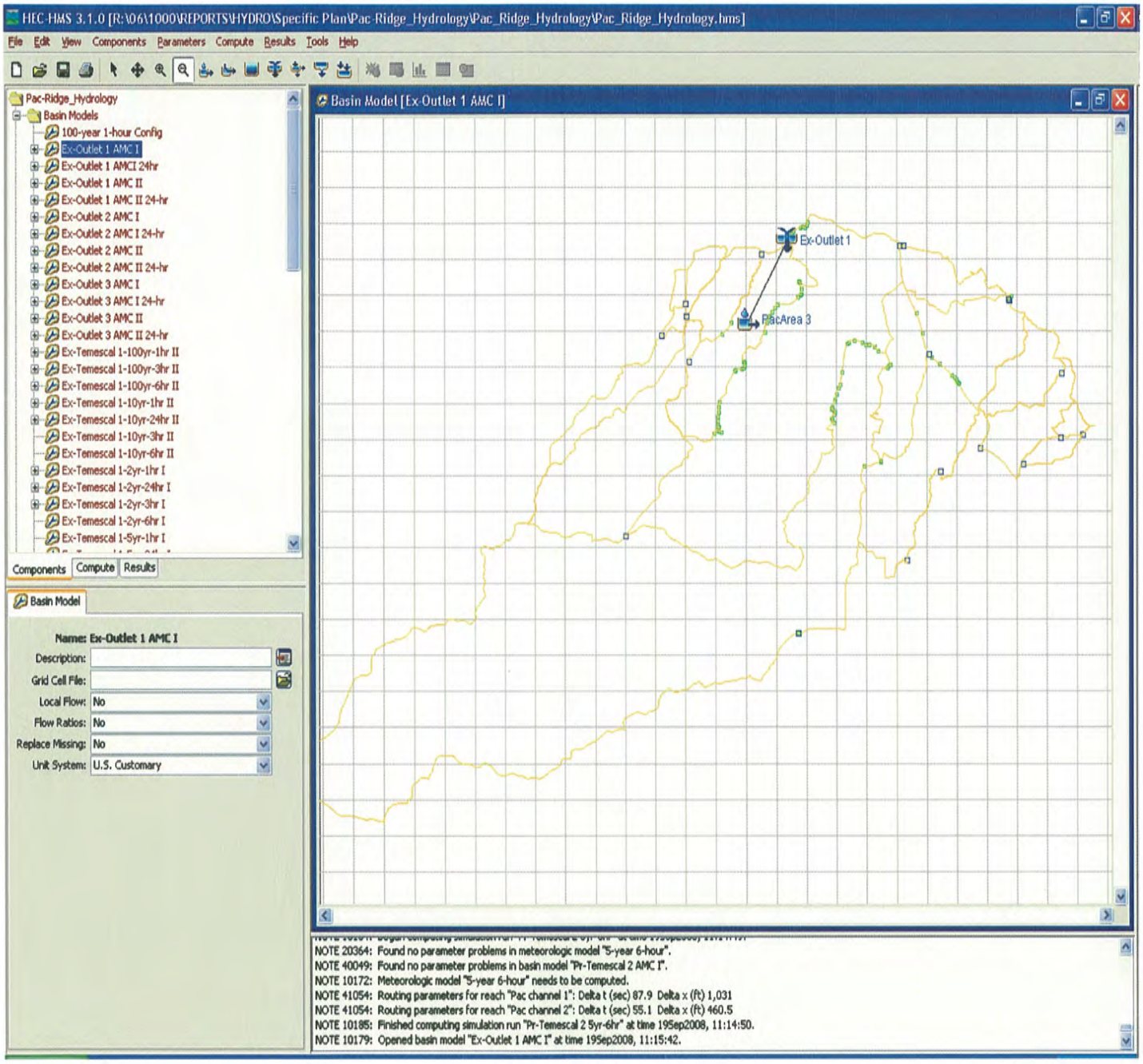
Appendix

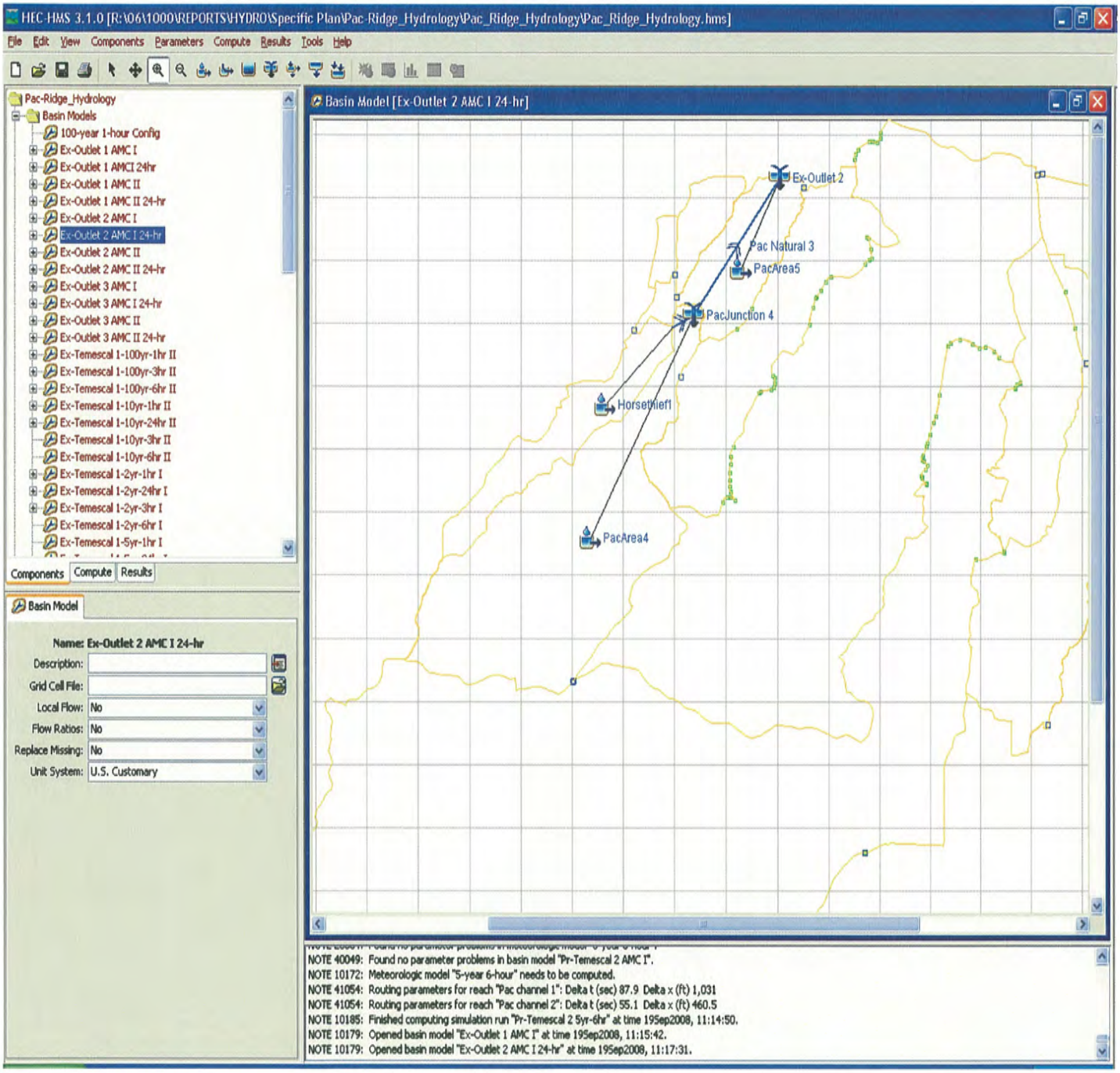
D

EXISTING AND PROPOSED CONDITIONS BASINS IN THE HEC-HMS MODEL

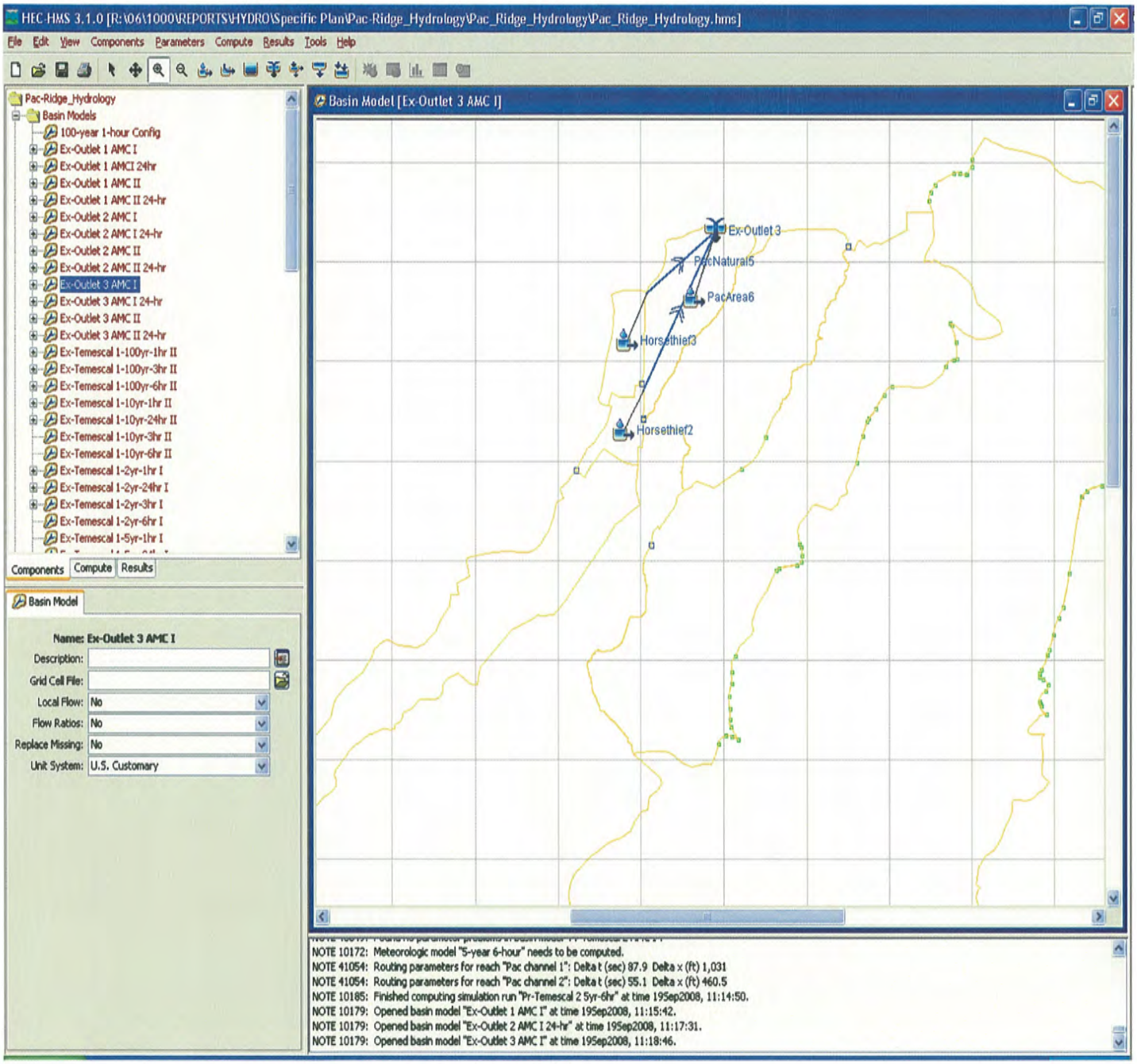
EX-OUTLET 1 AMC I



EX-OUTLET 2 AMC I



EX-OUTLET 3 AMC I



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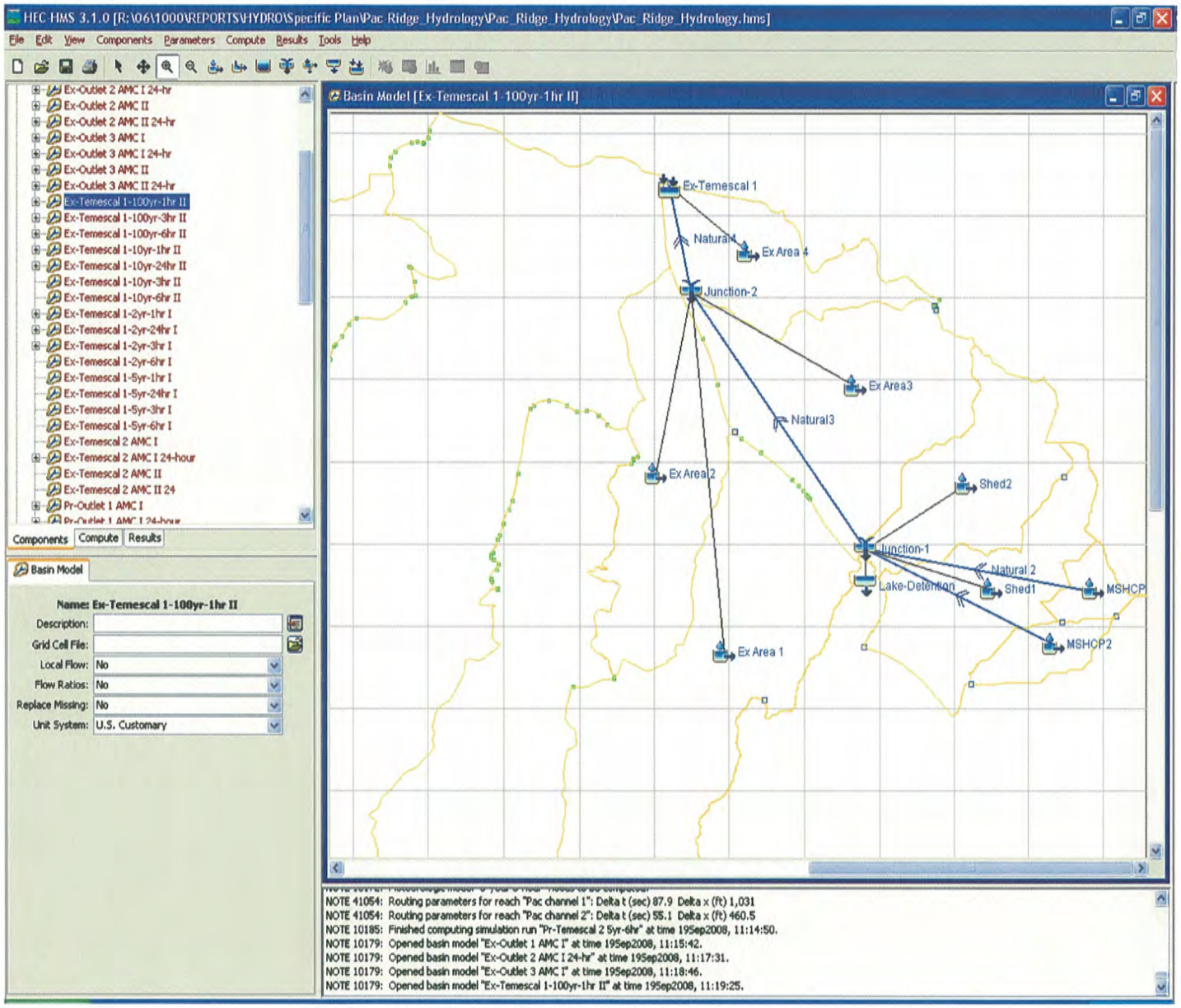

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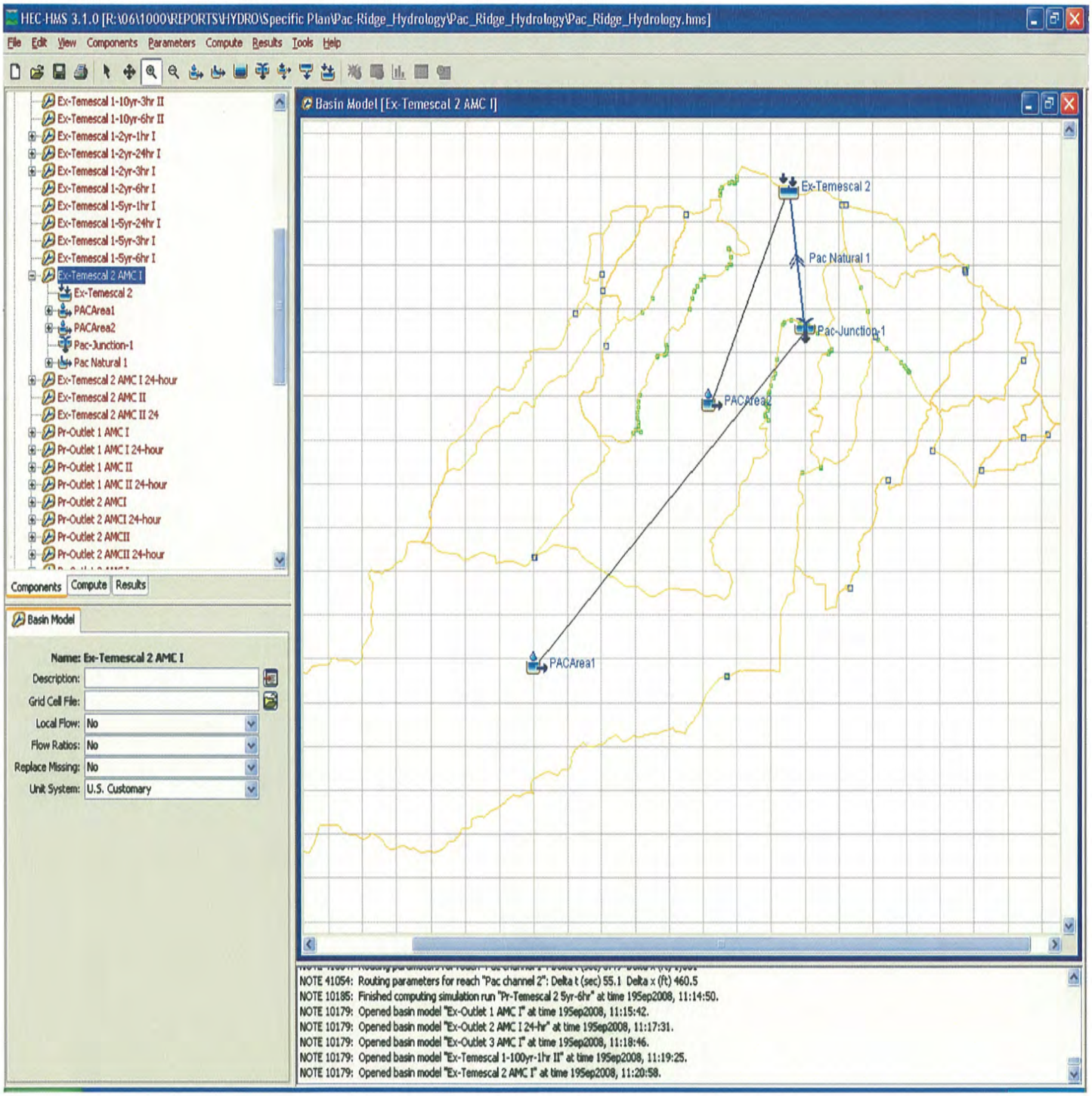
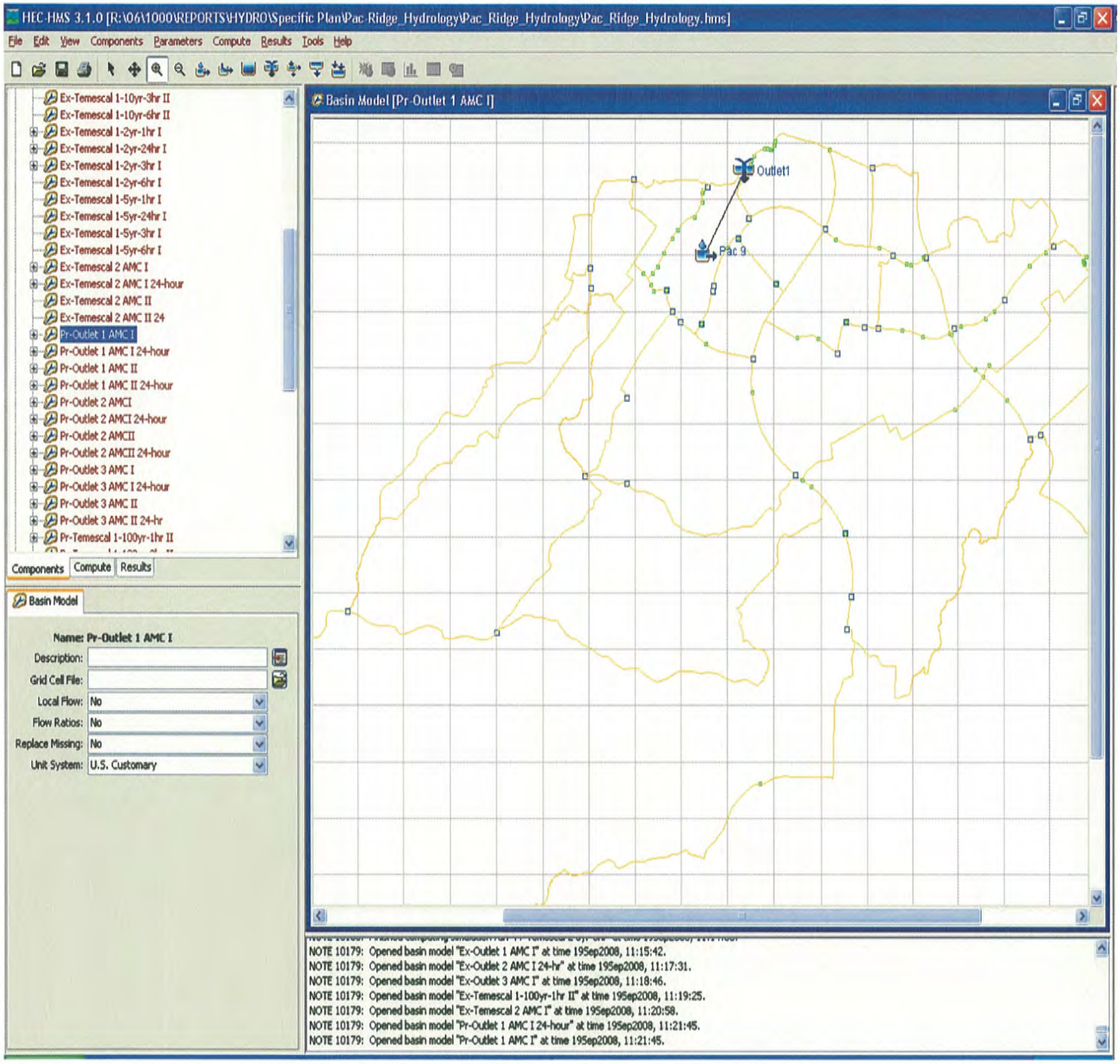


PR-OUTLET 1 AMC I



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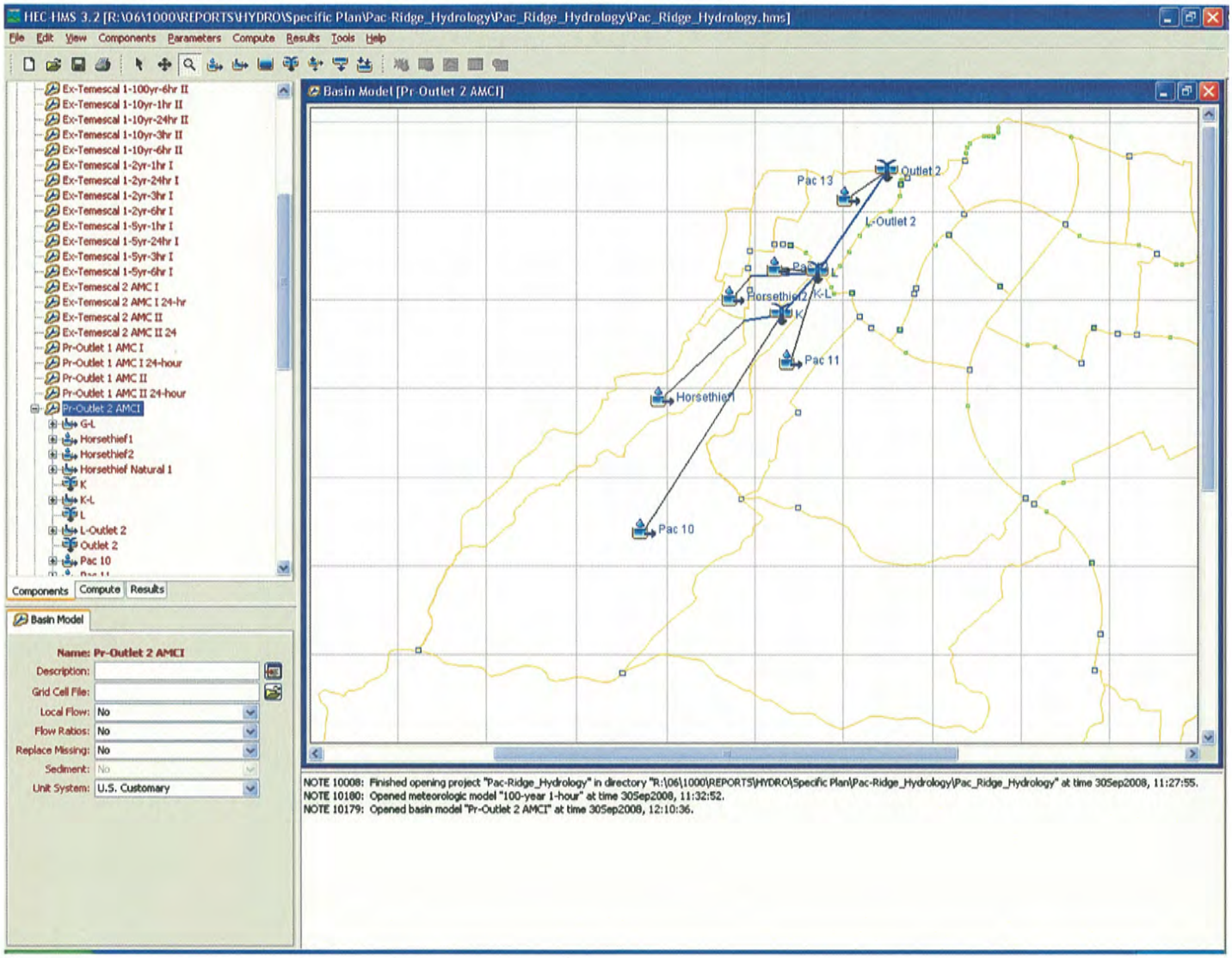

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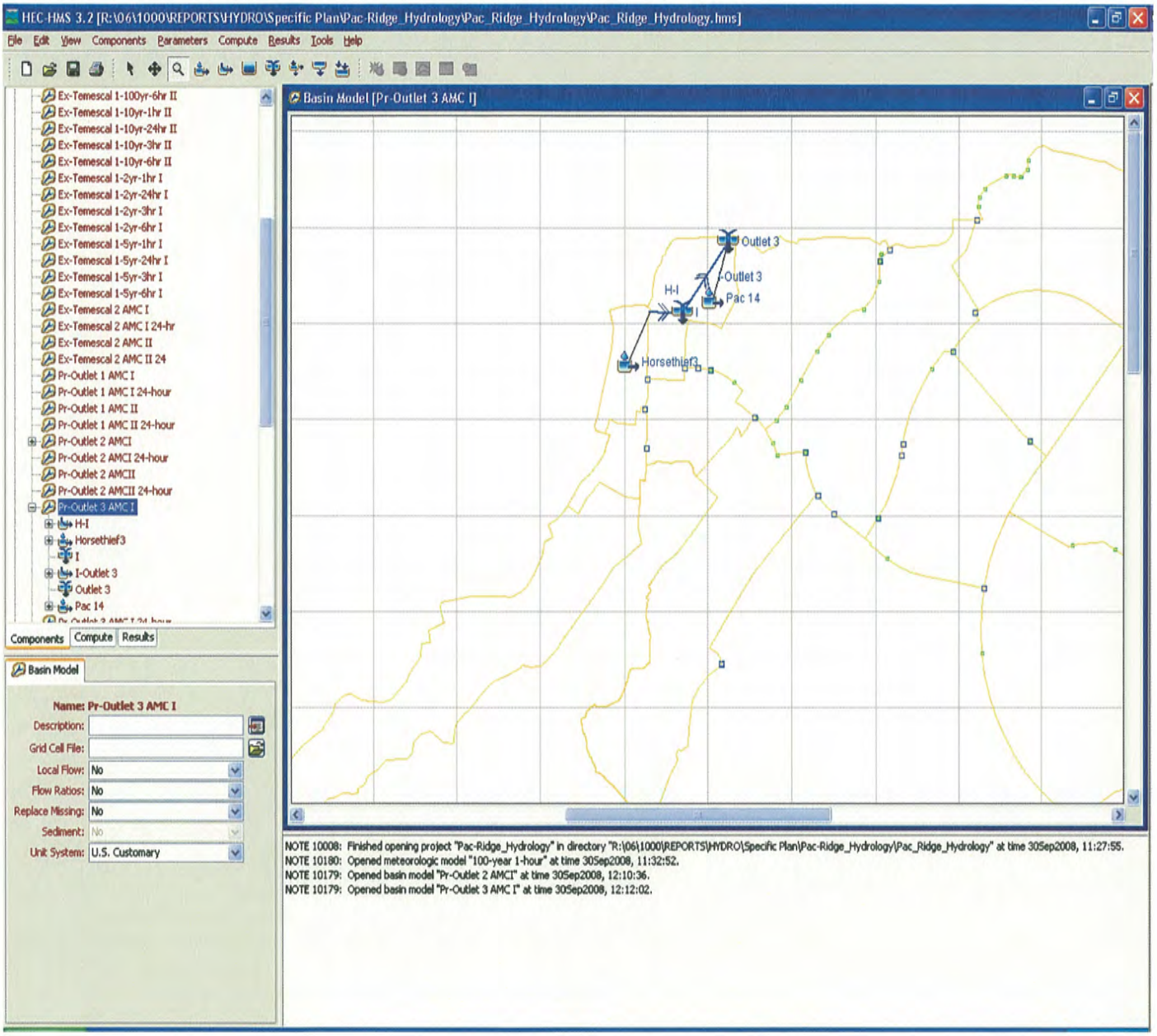
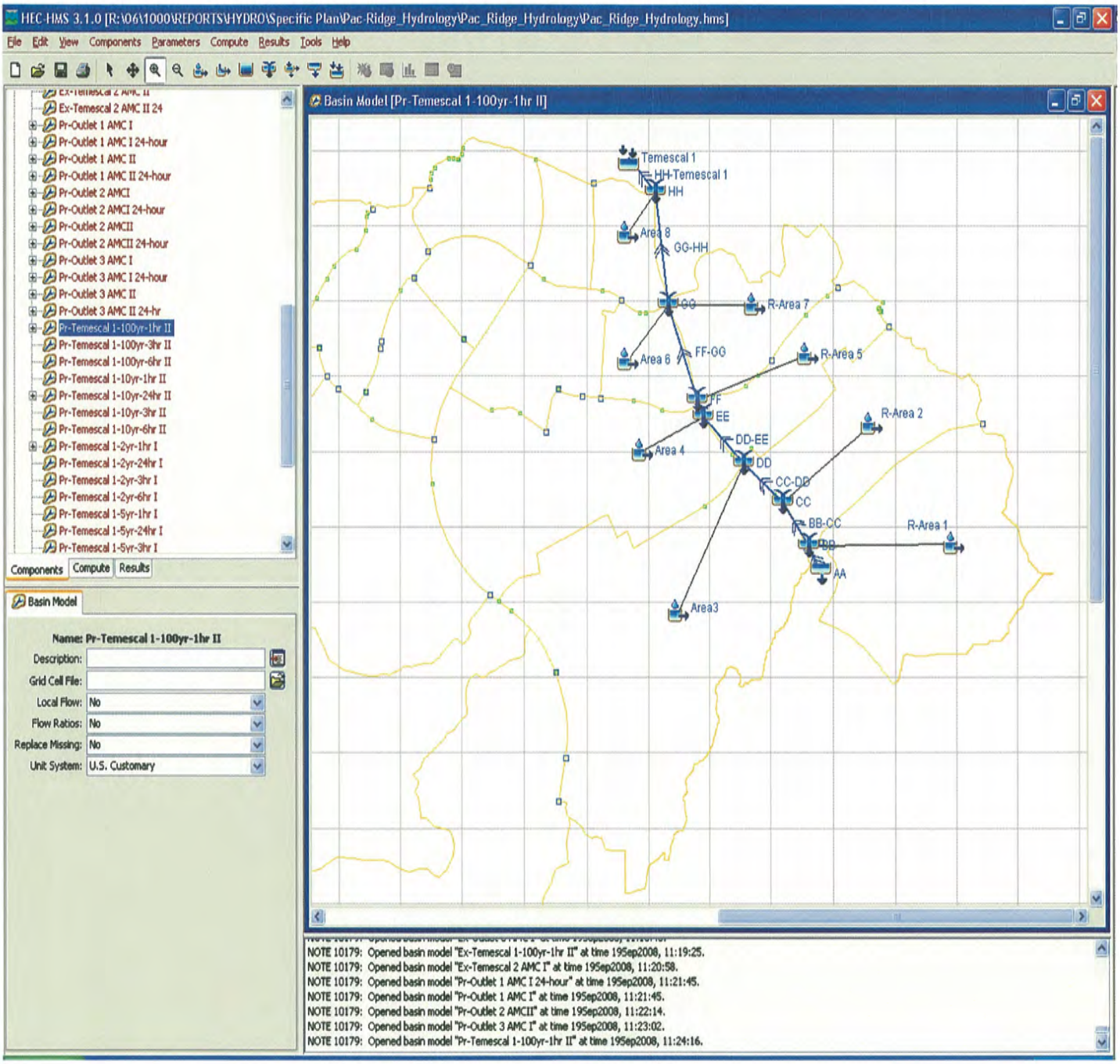
PR-TEMESCAL 1-100yr-1hr II