3 17B.1 Data Sources

1

2

4	Reports	
5	•	Draft_CER_All_Tunnel_Option_Volume_2,_Rev_A.pdf
6	•	TM 20-2 Rev 0 Proposed North Intake Facilities for the Draft EIRS.pdf
7	•	DHCCP EIR Supplemental Information_rev 0 _4-5-10_[1].pdf
8	•	2011-09-12 Info Summary Memo for Intakes Alt 3, Alt 4, Alt 5, 6 & 7.pdf
9	•	MDC Option Report (DCN_WAS_DWR-00328).pdf
10	•	MPTO_CER_FINALDRAFT_12-21-12_VOL1_CONCEPT_REPORT_NARRATIVE.PDF
11	•	MPTO_CER_FINALDRAFT_12-21-12_VOL2_CONCEPTDRAWINGS_PART2.PDF
12	•	MPTO_CER_FINALDRAFT_12-21-12_VOL2_CONCEPTDRAWINGS_PART1.PDF
13	GIS	
14	•	Eng_Rev9b (KMZ files showing facilities for Alternatives 1 through 8)
15	•	Eng_Rev10 (KMZ files showing facilities for Alternatives 1 through 8)
16	•	SCO-Rev3 (Alternative 9.kmz showing DCC and GS intakes)
17	•	MPTO Rev 2b.kmz (KMZ files showing facilities for Alternative 4)

18 **17B.2** Assumptions

• All intakes will be on-bank; none will be in-river.

20	/isibility of Features and Inclusion in Visual Simulations
21 22 23	• Intake facility features likely to be clearly visible from most or all visual simulation viewpoint include: on-bank intake structures, pumping plants, surge towers, and SR 160 realignments. Removal of trees and buildings for grading and construction will also be a visible change.
24 25	• Features likely to be partially or mostly obscured include: substation, transformers, security fencing.
26 27 28	• Features not likely to be visible because of their low profile, small size, or screening by other features include: sedimentation basins, solids lagoons, valve vaults, air vents, and other at-grade or low-profile structures.
29 30 31	• Features not shown in the simulations because they are temporary and would not be present after completion includes: temporary access roads, temporary work area fencing, and sheet pile coffer dams.

1	Intakes 1–5 (Alternatives 1–8)
2	• Locations: use the Eng_Rev9b GIS files, Alt 1A for east-side intakes and Alt 1C for west-side
3	intakes, but assume locations are approximate, subject to minor adjustments in later more
4	detailed site-specific design.
5	• Site-specific locations of intake structures, pumping plants, transformers, substations,
6	permanent road realignments, and temporary roads: use the Eng_Rev9b GIS files, but assume
7	these locations are approximate, subject to minor adjustments in later more detailed site-
8	specific design.
9	• West-side intakes only: levee and intake area footprints and major structures are not clearly
10	delineated in Eng_Rev9b (because they are for in-river intakes and even then are too
11	generalized and fewer features are shown), so use the final levee and intake area footprint
12	delineated in Figure ON-6 (page 134 in TM 20-2 Rev 0 Proposed North Intake Facilities for the
13	Draft EIRS.pdf) for Intake 4-East as a generic envelope to apply as needed to west-side
14	Intakes.
15	• Locations of sedimentation basins, solids lagoons, and security fencing are not delineated in
16	Eng_Rev9b, so use Figure ON-6 (page 134 in TM 20-2 Rev 0 Proposed North Intake Facilities
17	for the Draft EIRS.pdf) for Intake 4-East as a generic site plan to apply as needed to Intakes 1–
18	5 East and West.
19	Intake 3-East (Alternatives 1A, 1B, 2A, 2B, 4, 6A, 6B, 7, and 8)
20	• All buildings and trees completely or partially covered by Polygon 1616 (Alt 1A, Intake 3,
21	Permanent Surface Impact) in Eng_Rev9b would be removed.
22	Intake 4-East (Alternatives 1A, 1B, 2A, 2B, 4, 6A, and 6B)
23	• All buildings and trees completely or partially covered by Polygon 1644 (Alt 1A, Intake 4,
24	Permanent Surface Impact) in Eng_Rev9b would be removed.
25	Intake 2-West (Alternatives 1C, 2C, and 6C)
26	• Buildings and trees at the southeast end of Clarksburg along County Hwy E9 would be
27	removed.
28	• Buildings and trees at the intersection of County Hwy E9 and County Rd 141 would be
29	removed.
30	Intakes 2-East and 3-East (Alternative 4)
31	• Locations: use the MPTO Rev 2h GIS files
51	
32	Delta Cross Canal Intake at Walnut Grove and Locke (Alternative 9)
33	• Location and length: see SCO-Rev3 (Alternative 9.kmz)
34	• Approximate and generalized design of DCC and GS intake structures: see MDC Option Report
35	(DCN_WAS_DWR-00328).pdf
36	• Visible surfaces would be concrete and that floating log booms would be located in front of the
37	intake bays. Existing vegetation on the levee within the intake structure footprint would be
38	removed.

1 Launch/Retrieval Shaft Site near Isleton Road

• Buildings within the barge unloading facility area near Isleton Road would be removed. The elevated pad for construction of launch and retrieval shafts would be removed after construction. The permanent access road would be built at approximately existing grade.

5 Intermediate Forebay (Alternatives 1–8)

2

3

4

- Location: Use the Eng_Rev10 GIS files. Assume footprints of embankments, roads, and work
 areas are approximate, subject to minor adjustments in later more detailed site-specific
 design.
- Visibility: The forebay embankment would be about 27 ft. (8.3 m) high, but about 0.6 mile
 away, therefore not visually prominent. The permanent 230kV transmission line would not
 visible because it would be almost directly overhead. Structures and access roads at the north
 end of intermediate forebay would not visible because of their low profile and distance from
 the camera (0.60 to 0.7 mile).
- 14 Intermediate Forebay (Alternative 4)
- Locations: use the MPTO Rev 2b GIS files. The site would border the north side of Twin Cities
 Road.
- Visibility: The forebay embankment crest would be about 32 feet above sea level. The height
 of the overflow containment berm was not defined in the CER; its crest was assumed to be
 approximately 10 feet above sea level.
- 20 East canal from I-5 near the Lambert Road overpass
- The canal levee would be approximately 2 miles away, so the levee height of 25 feet would be very low in the distance, just a very thin line near the horizon. The siphon would be slightly visible as gap in the levee. The bridge and ramp on Lambert Road would be partly obscured by trees.
- 25 East canal from SR 12 near Guard Road
- The grain elevators and associated buildings are within the canal footprint would all be
 removed. Trees on both sides of road would be removed from the start of road work to the
 canal levee. The west end of bridge over canal may be visible, but very small.

29 East canal from SR 4 near South Whiskey Slough Road

The nearest edge of levee, about 25 feet high, would be about 0.37 mile away. Buildings and
 trees in distance would be on far side of canal, beyond permanent impact area.

32 West canal from SR 4 near Discovery Bay

The nearest edge of levee would be about 0.22 mile away. Houses and trees on far side of
 fields are outside impact areas on far side of canal. Assume that trees and buildings on the
 south side of SR 4 within the permanent and temporary impact areas would be removed. The
 west end of bridge over the canal may be visible, but very small.

1 Operable barrier on Threemile Slough at Brannan Island SRA

The operable barrier would use miter gates, extending the full width of the waterway, with the gates normally be closed, and with a lock for boat passage. Assume the boat lock and control building would be on the north side of the channel. Assume that visible surfaces would be concrete and that floating log booms would be located in front of gates not intended for boat passage.

7 Channel Modification at Hammer Island

No detailed designs are available, only the approximate positions of new levees and channels.
 Assume that all existing structures and woody vegetation would be removed within the
 apparent channel and levee modification areas.