Victoria Boyne

Subject: FW: [External] Update on action item WR-18; minor add'l output needed
Attachments: Figures_June_v2.pdf

From: Peacey, Victoria (RC) <Victoria.Peacey@riotinto.com>
Sent: Sunday, June 21, 2020 5:10 PM
To: Chris Garrett <cgarrett@swca.com>; Ghidotti, Greg (G&I) <Gregory.Ghidotti@riotinto.com>
Cc: Donna Morey <dmorey@swca.com>; Rasmussen, Mary C -FS <mary.rasmussen@usda.gov>
Subject: RE: [External] Update on action item WR-18; minor add'l output needed

---

Hi Chris,

As requested Montgomery and Associates have produced the following as requested (attached):

- Measured Groundwater elevations in 2017
- Modeled groundwater elevations in 2017. M&A also added the measured groundwater levels. As expected for a regional model (ADWR approved method) there are some discrepancies, but overall it holds up pretty well against measured values. However, of importance, the ESRV model used the measured 2017 water levels and then added the projected change in water levels to get the future depth to water levels. Therefore, the absolute results are not affected by the differences in 2017 modeled and measured water levels.
- Additional figures showing projected drawdown at locations 2, 5 and 10 miles from the Desert Wellfield showing no-action and proposed action (Alt 2) model results along a transect running northwest from Desert Wellfield towards Apache Junction.
    - Do you want similar figures for all alternatives (3, 4, 5, 6)?

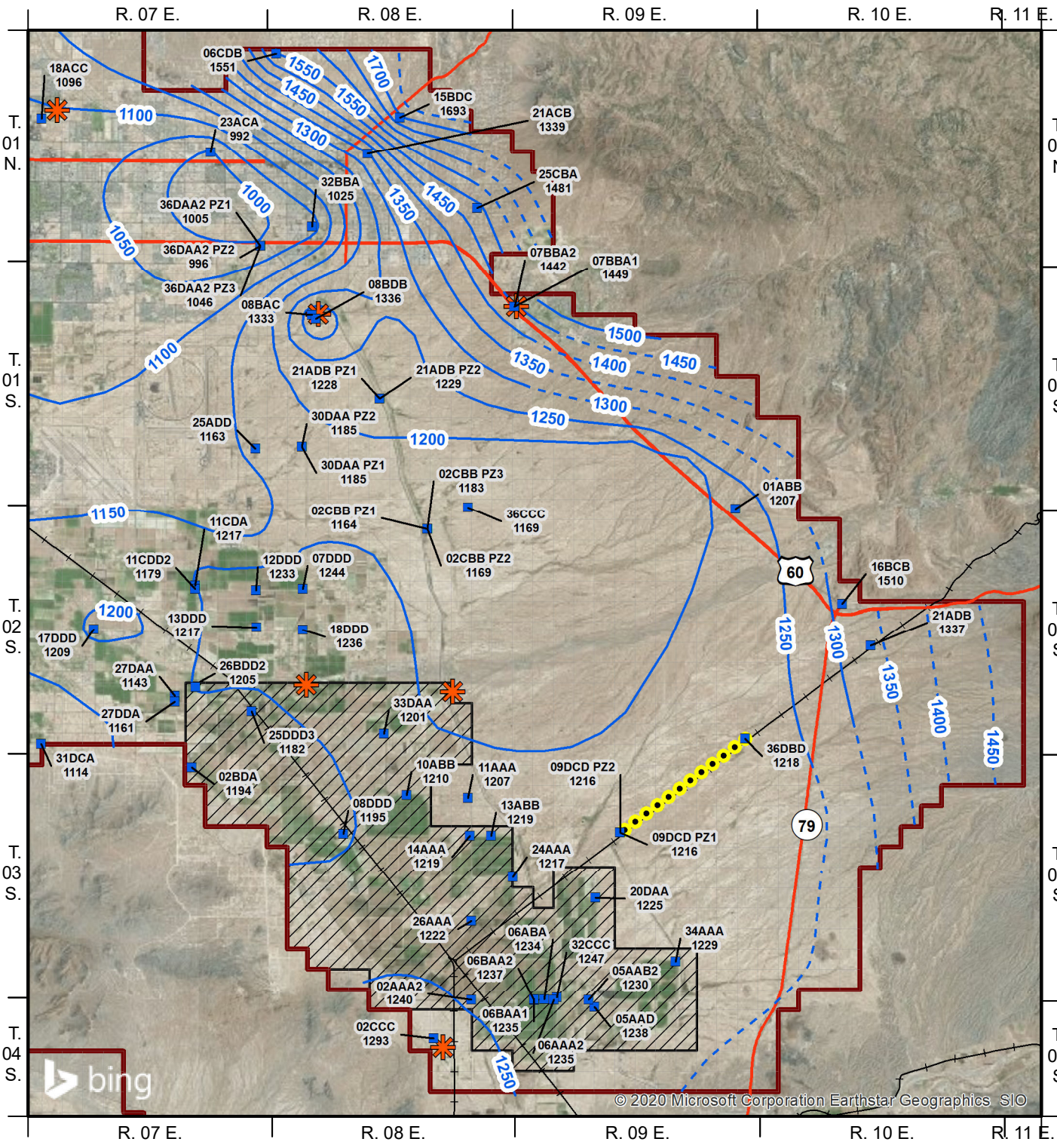
In the FEIS deliverables schedule I think this wraps up **"ESRV memo review - Minor additional data requests"**

Let us know if you need anything further.

Thanks,

Vicky Peacey
Senior Manager Permitting and Approvals

RESOLUTION COPPER
102 Magma Heights
Superior, AZ 85173, United States
T: +1 520.689.3313 M: +1 520.827.1136
Victoria.peacey@riotinto.com www.resolutioncopper.com



EXPLANATION

- Proposed Desert Wellfield Well Location
- Underground Storage Facility
- GWSI Well Location, Identification, and Measured Water Level Elevation in Winter of 2017, in ft amsl
- Groundwater Level Elevation for 2017 Winter, in ft. amsl
- Active Model Domain
- NMIDD Area

N

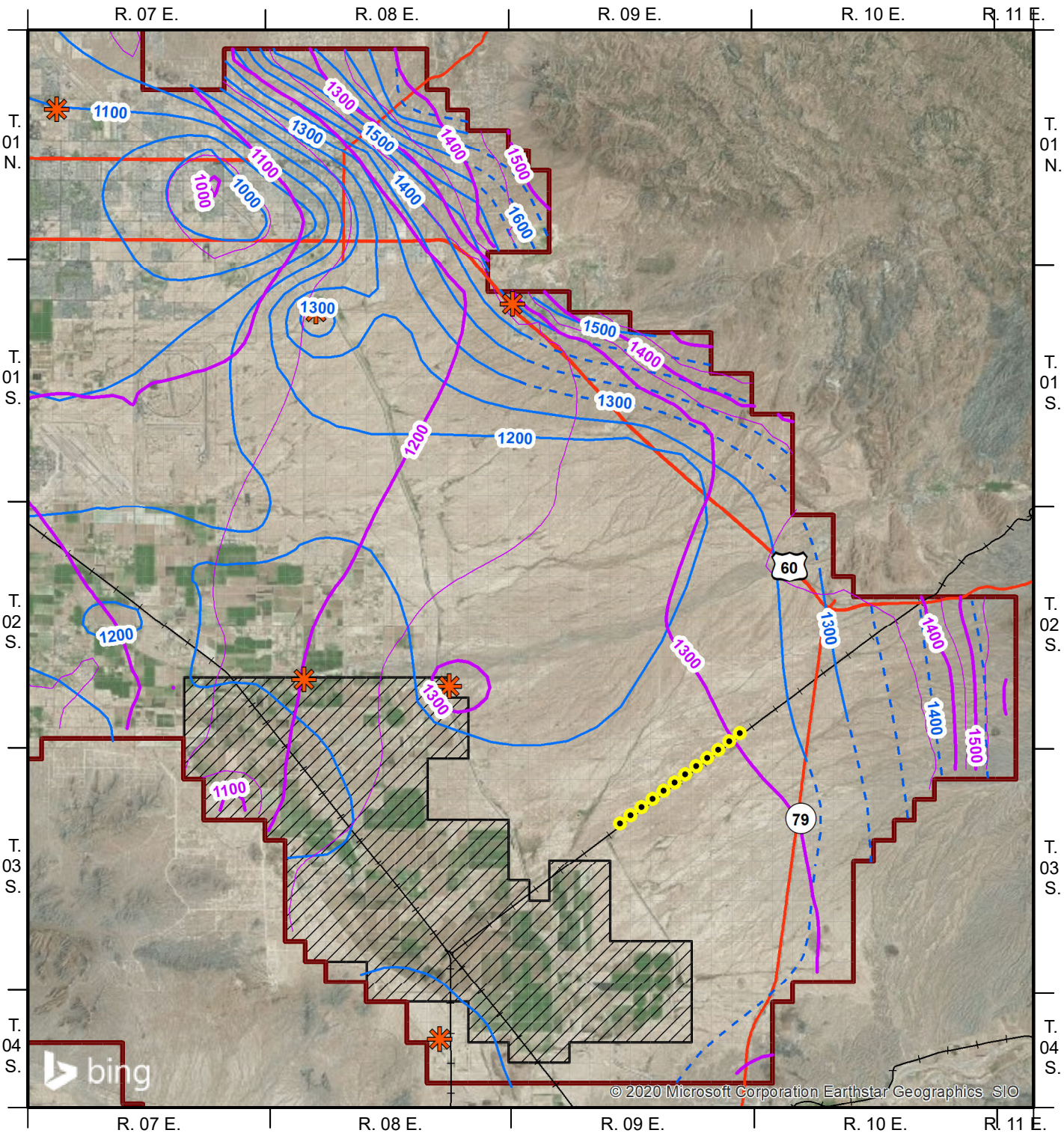
0 1 2 3

Miles

FIGURE X. MEASURED GROUNDWATER LEVEL ELEVATION IN EAST SALT RIVER VALLEY (2017)

G:\GIS-Tuc\Projects\605\605.7506_MeasuredWLs_Winter2017.mxd 17June2020

MONTGOMERY & ASSOCIATES



EXPLANATION

- Proposed Desert Wellfield Well Location
- Underground Storage Facility
- Measured Groundwater Level Elevation for end of 201, in ft. amsl
- Simulated Groundwater Level Elevation for end of 2017, in ft amsl
- Active Model Domain
- NMIDD Area

N

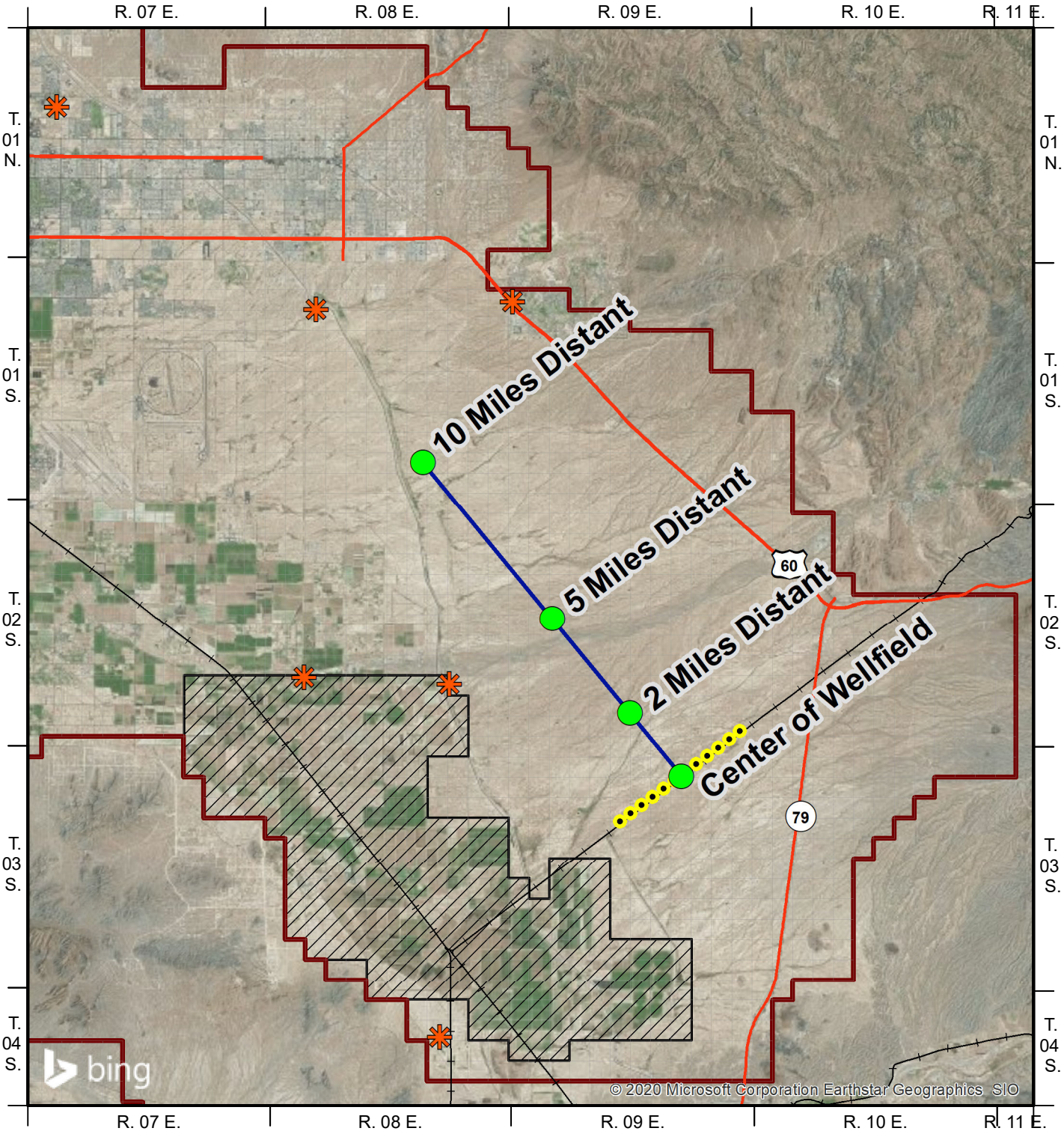
0 1 2 3

Miles

FIGURE X. MEASURED VERSUS SIMULATED GROUNDWATER LEVEL ELEVATION IN EAST SALT RIVER VALLEY (2017)

G:\GIS-Tuc\Projects\605\605.7506_MeasuredvsSimulatedWLs_Winter2017.mxd 14June2020

MONTGOMERY & ASSOCIATES



EXPLANATION

- Proposed Desert Wellfield Well Location
- Underground Storage Facility
- Locations of 2, 5 and 10 MileTarget Hydrographs
- Active Model Domain
- NMIDD Area

N

0 1 2 3

Miles

FIGURE X. LOCATIONS OF TARGET HYDROGRAPHS

G:\GIS-Tuc\Projects\605\605.7506_TargetBuffers.mxd 17June2020

MONTGOMERY & ASSOCIATES

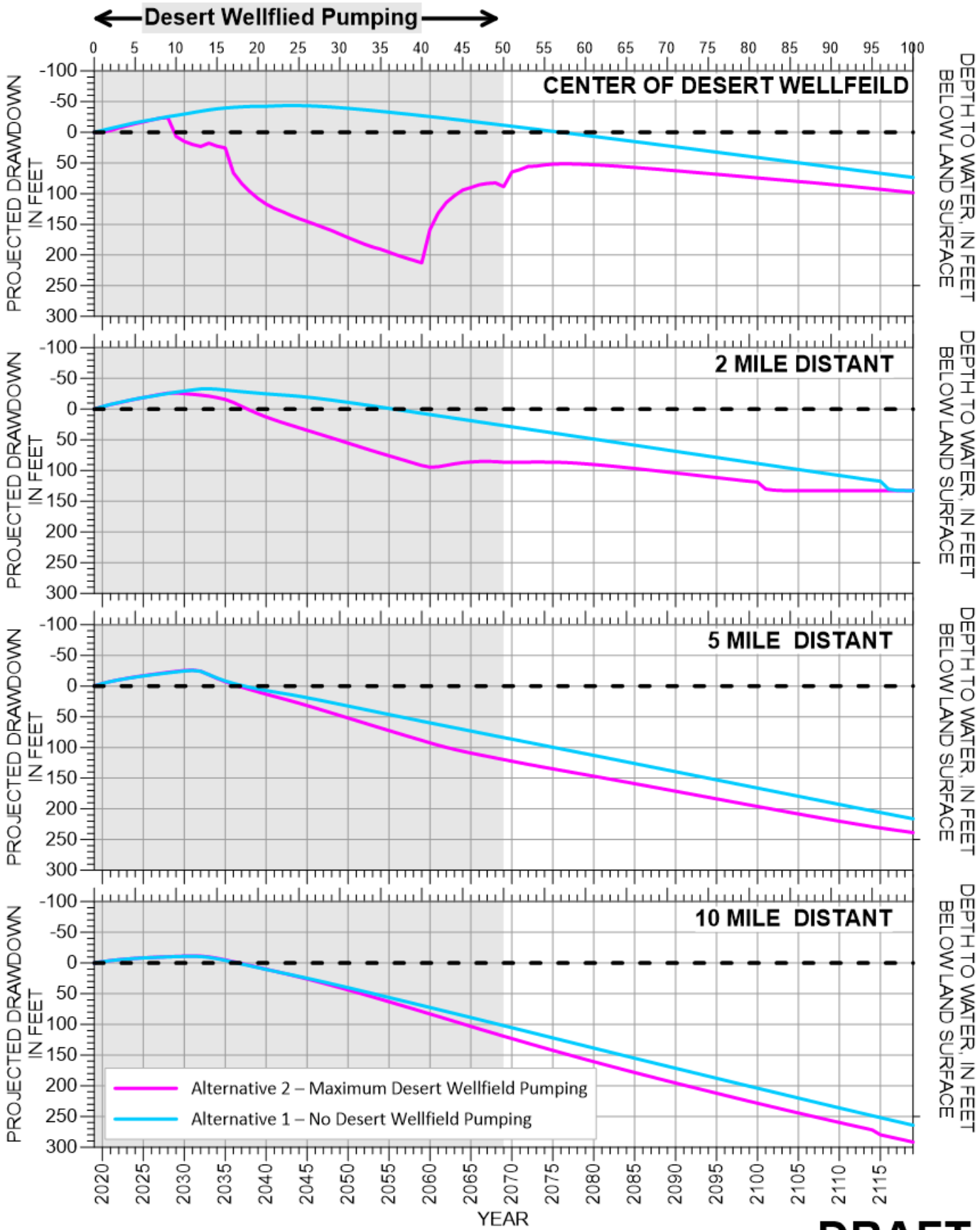


FIGURE X. HYDROGRAPHS OF PROJECTED DRAWDOWNS

DRAFT

MONTGOMERY & ASSOCIATES